

O R E G O N
State System of
Higher Education
B U L L E T I N



Catalog 1932-33

For Units At

Ashland

SOUTHERN OREGON NORMAL SCHOOL

Corvallis

OREGON STATE AGRICULTURAL COLLEGE

Eugene

UNIVERSITY OF OREGON

La Grande

EASTERN OREGON NORMAL SCHOOL

Monmouth

OREGON NORMAL SCHOOL

Portland

UNIVERSITY OF OREGON MEDICAL SCHOOL

Published by
Oregon State Board of Higher Education
Salem, Oregon

Catalog 1932-33

Oregon State System
of Higher Education



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Oregon State Board of Higher Education
Salem, Oregon

Oregon State System
of Higher Education
B U L L E T I N
Issued Monthly

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Higher Education
Salem, Oregon

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State Board of Higher Education

	Term expires
HON. E. C. PEASE, The Dalles.....	1933
*HON. ALBERT BURCH, Medford.....	1934
HON. E. C. SAMMONS, Portland.....	1935
HON. C. L. STARR, Portland.....	1936
HON. B. F. IRVINE, Portland.....	1937
HON. C. C. COLT, Portland.....	1938
HON. HERMAN OLIVER, John Day.....	1939
HON. CORNELIA MARVIN PIERCE, La Grande.....	1940
HON. F. E. CALLISTER, Albany.....	1941

OFFICERS

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HON. C. C. COLT.....	Vice-President
HON. B. F. IRVINE.....	Treasurer

DR. E. E. LINDSAY, Executive Secretary

*Resigned, 1932.

Ashland, La Grande, Monmouth

1 9 3 3

Second Term 1932-33

- January 2, *Monday*.....Registration
 January 3, *Tuesday*.....Classes begin
 January 14, *Saturday*.....Latest day for addition
 of new courses or new registrations
 February 22, *Wednesday*.....Washington's birth-
 day, holiday
 March 15, *Wednesday*.....Classes end
 March 16-17, *Thursday to*
Friday.....Final examinations
 March 17, *Friday*.....Second term ends

January

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Third Term 1932-33

- March 27, *Monday*.....Registration
 March 28, *Tuesday*.....Classes begin
 April 8, *Saturday*.....Latest day for addition of
 new courses or new registrations
 May 30, *Tuesday*.....Memorial Day, holiday
 June 4, *Sunday*.....Baccalaureate
 June 6, *Tuesday*.....Classes end
 June 7 and 9, *Wednesday and*
Friday.....Final examinations
 June 8, *Thursday*.....Commencement
 June 9, *Friday*.....Third term ends

April

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1933 Summer Sessions

- June 19, *Monday*.....Summer sessions begin

July

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Academic Calendar

CORVALLIS:
OREGON STATE AGRICULTURAL COLLEGE
EUGENE:
UNIVERSITY OF OREGON

1932 Summer Sessions

June 20, *Monday*.....Summer sessions begin,
Corvallis, Eugene

July 4, *Monday*.....Independence Day, holiday

July 29, *Friday*.....Summer sessions end, Cor-
vallis, Eugene

August 1, *Monday*.....Post session begins, Eui-
gene

August 26, *Friday*.....Post session ends, Eugene

First Term 1932-33

September 19-24 inc., *Monday to*

Saturday...Freshman Week and Registration

September 26, *Monday*.....Classes begin

October 8, *Saturday*.....Latest day for addition
of new courses or new registrations

November 24, *Thursday*.....Thanksgiving Day,
holiday

December 10, *Saturday*.....Classes end

December 12-16, inc., *Monday to*

Friday.....Final examinations

December 16, *Friday*.....First term ends

Corvallis, Eugene

Second Term 1932-33

January 2, *Monday*.....Registration
 January 3, *Tuesday*.....Classes begin
 January 14, *Saturday*.....Latest day for addition
 of new courses or new registrations
 February 22, *Wednesday*.....Washington's birth-
 day, holiday
 March 11, *Saturday*.....Classes end
 March 13-17 inc., *Monday to*
Friday.....Final examinations
 March 17, *Friday*.....Second term ends

Third Term 1932-33

March 27, *Monday*.....Registration
 March 28, *Tuesday*.....Classes begin
 April 8, *Saturday*.....Latest day for addition of
 new courses or new registrations
 May 30, *Tuesday*.....Memorial Day, holiday
 June 3, *Saturday*.....Classes end
 June 3, *Saturday*.....Alumni Day, Corvallis
 June 4, *Sunday*.....Baccalaureate Service, Cor-
 vallis
 June 5, *Monday*.....Commencement, Corvallis
 June 5-9 inc., *Monday to*
Friday.....Final examinations
 June 9, *Friday*.....Third term ends
 June 10, *Saturday*.....Alumni Day, Eugene
 June 11, *Sunday*.....Baccalaureate Service, Eu-
 gene
 June 12, *Monday*.....Commencement, Eugene

1933 Summer Sessions

June 19, *Monday*.....Summer sessions begin

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January

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July

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1932-33

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Portland (Medical School)

First Term 1932-33

- September 30, *Friday*.....Examination for removal of conditions
- October 1, *Saturday*.....Registration
- October 3, *Monday*.....Classes begin
- November 11, *Friday*.....Armistice Day, holiday
- November 24, *Thursday*.....Thanksgiving Day, holiday
- December 19, 20, 21, *Monday, Tuesday, Wednesday*....Term examinations for all students
- December 22 to January 1....Christmas vacation

Second Term 1932-33

- January 2, *Monday*.....Registration
- January 3, *Tuesday*.....Classes begin
- February 22, *Wednesday*..Washington's Birthday, holiday
- March 16, 17, 18, *Thursday, Friday, Saturday*.....Term examinations for all students

Third Term 1932-33

- March 22, *Wednesday*.....Registration
- March 23, *Thursday*.....Classes begin
- May 30, *Tuesday*.....Memorial Day, holiday
- June 7, 8, 9, *Wednesday, Thursday, Friday*....Term examinations for all students
- June 12, *Monday*.....Commencement at Eugene

May

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Executive Officers
The Six Campuses
Oregon State System of Higher Education

Interinstitutional

WILLIAM JASPER KERR, D.Sc., LL.D.....Chancellor

Ashland

WALTER REDFORD, Ph.D...President of the Southern Oregon Normal School

Corvallis

WILLIAM JASPER KERR, D.Sc., LL.D.....President of the State College

WILLIAM ARTHUR JENSEN, M.S.....Executive Secretary

Eugene

*ARNOLD BENNETT HALL, J.D., LL.D.....President of the University

BURT BROWN BARKER, A.B., LL.B.....Vice-President of the University

EARL MANLEY PALLETT, Ph.D.....Executive Secretary

La Grande

HARVEY EDGAR INLOW, A.B., LL.B.....President of the Eastern Oregon
Normal School

Monmouth

JAMES ALONZO CHURCHILL, M.A.....President of the Oregon Normal School

Portland

RICHARD BENJAMIN DILLEHUNT, M.D.....Dean of the Medical School

*On leave of absence.

Interinstitutional Deans and Directors

- WILLIAM ALFRED SCHOENFELD, M.B.A.....Dean and Director of Agriculture
 CLARENCE VALENTINE BOYER, Ph.D.....Dean and Director of Arts and Letters
 HARRISON VAL HOYT, Ph.D.....Dean and Director of Business Administration
 GENEVIEVE GRIFFITH TURNIPSEED, M.A.....Director of Dormitories
 JAMES RALPH JEWELL, Ph.D., LL.D.....Dean of Education; Director of High
 School Teacher Training
 JAMES ALONZO CHURCHILL, M.A.....Director of Elementary Teacher Training
 HARRY STANLEY ROGERS, C.E.....Dean and Director of Engineering and
 Mechanic Arts
 ERNEST EARL LINDSAY, Ph.D.....Executive Secretary, State Board of Higher
 Education
 PAUL VESTAL MARIS, B.S.....Director of Federal Cooperative Extension
 ELLIS FULLER LAWRENCE, M.S., F.A.I.A.....Dean and Director of Fine Arts
 GEORGE WILCOX PEAVY, M.S.F.....Dean and Director of Forestry
 ALFRED POWERS, A.B.....Director of General Extension
 AVA BERTHA MILAM, M.A.....Dean and Director of Home Economics
 ERIC WILLIAM ALLEN, A.B.....Dean and Director of Journalism
 WAYNE LYMAN MORSE, J.D.....Dean and Director of Law
 LUCY MAY LEWIS, A.B., B.L.S.....Director of Libraries
 MAHLON ELLWOOD SMITH, Ph.D.....Dean and Director of Lower Division
 RICHARD BENJAMIN DILLEHUNT, M.D.....Dean and Director of Medicine
 ADOLPH ZIEFLE, Ph.D.....Dean and Director of Pharmacy
 JOHN FREEMAN BOVARD, Ph.D.....Dean and Director of Physical Education
 EARL LE ROY PACKARD, Ph.D.....Dean and Director of Science
 JAMES HENRY GILBERT, Ph.D.....Dean and Director of Social Science

Each dean and director in the foregoing list is interinstitutional in function, being responsible for all work in his field wherever offered throughout the system. Deans and directors whose responsibilities are for a single campus only are listed under service and other divisions.

The resident instruction, research, and extension staffs are listed under the respective divisions and schools.

Service Divisions

BUILDINGS AND GROUNDS

Interinstitutional

ROBERT HAMILTON THOMAS, B.S., LL.B.....	General Superintendent of Properties
ARTHUR LEE PECK, B.S., B.A.....	Consultant in Landscape Architecture
MARK CLYDE PHILLIPS, B.M.E.....	Consultant in Mechanical Engineering
GORDON VERNON SKELTON, C.E.....	Consultant in Civil Engineering

Corvallis

ELMER POLIC JACKSON, B.S.....	Superintendent of Buildings
ARTHUR LEE PECK, B.S., B.A.....	Superintendent of Campus
MARK CLYDE PHILLIPS, B.M.E.....	Superintendent of Heating
GORDON VERNON SKELTON, C.E.....	Superintendent of Roads and Walks
DONALD BRUCE STUART, D.M.D.....	Superintendent of Light and Power
CHARLES GEORGE WILTSHIRE.....	Superintendent of Plumbing

Eugene

DONALD LYMAN LEWIS.....	Superintendent of Physical Plant
ARTHUR HENRY FOOTE.....	Supervisor of Buildings
SAM MIKKELSON.....	Supervisor of Campus

Monmouth

ROY E. KNOWLES.....	Superintendent
---------------------	----------------

Portland

WREN ELTON GAINES.....	Superintendent
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BUSINESS OFFICES

Interinstitutional

ANDREW COMRIE.....	Chief Accountant
FLORENCE MABLE GARNETT.....	Purchasing Clerk
SAM ABRAHAM KOZER.....	Auditor
SEUELL HUBBARD RONDEAU.....	Auditor
PAUL AUGUST WALGREN, B.B.A.....	Assistant Accountant

Corvallis

EDWIN MONROE SMITH, B.S.D.....	Business Manager
HARRY BENJAMIN AULD, B.S.....	Claim Chief
ARTHUR ALONZO BROOKS.....	Order Clerk
MAE JOSEPHINE NUSBAUM.....	Paymaster
RUTH WAGNER.....	Cashier

Eugene

J. ORVILLE LINDSTROM, B.S.....	Acting Business Manager
LOUIS H. JOHNSON.....	Comptroller Emeritus
MARTHA JUHL.....	Order Clerk
EDGAR PARSONS LYON.....	Cashier
EDWIN SHIMER TUTTLE.....	Paymaster

Monmouth

ELLIS ARNOLD STEBBINS, A.B. Business Manager

Portland

RALF COUCH, A.B. Business Manager

MARGUERITE HENDERSHOT Cashier

DORMITORIES

Interinstitutional

GENEVIEVE GRIFFITH TURNIPSEED, M.A. Director of Dormitories

Corvallis

MELISSA HUNTER, A.M. Director of Dormitories

WILMA HAZEL ANDERSON, B.S. Assistant Director of Dormitories

GEORGIA CHAPMAN BIBBE, B.S. Director, Memorial Union Dining Service

Eugene

GENEVIEVE GRIFFITH TURNIPSEED, M.A. Director of Dormitories

HELEN ANETTA GOODENOW, M.S. Assistant Director of Dormitories

Monmouth

ARDIE PARKER Director of Dormitories

HEALTH SERVICE

Interinstitutional

RICHARD BENJAMIN DILLEHUNT, M.D. Director of Health

Ashland

ELIZABETH MARY BREAKEY, B.S. School Nurse

Corvallis

DANIEL CLYDE REYNOLDS, M.D. Director of Health Service

BERNARD ABRAHAM MANACE, M.D. College Physician

RACHEL CARLETON SPARKS, M.D. College Physician

ERNA MARGUERITE PLAGEMAN, R.N. Supervising Nurse

MABEL RUTH DARELIUS, R.N. Nurse

MAE TORGERSON Nurse

NELLE MARY GUNN X-Ray Technician

Eugene

FRED NATHAN MILLER, M.D. Director of Health Service

SANTE D. CANIPAROLI, M.D. Assistant University Physician

MARIAN GRACE HAYES, M.D. Assistant University Physician

LULU GELL, R.N. Nurse

HANNA McCLAIN FOOTE, R.N. Nurse

JANE HOLT Laboratory Technician

GRACE KINNEAR ROBERTSON, R.N. Nurse

MARGARET LOUISE COLAHAN, R.N. Nurse

Monmouth

AILEEN DYER Health Nurse

INFORMATIONAL SERVICE

Interinstitutional

CHARLES DAVID BYRNE, M.S.	Head of Informational Service
EDWIN THOMAS REED, B.S., A.B.	Editor of Publications
DELMER MORRISON GOOPE, B.A.	Associate Editor of Publications
GEORGE HOWARD GODFREY, B.S.	Associate in Informational Service
JOHN COLE BURTNER, B.S.	Associate in News Service
LAURA BELLE HEATH, B.S.	Assistant Editor of Publications
FRED MURIEL SHIDELER, B.S.	Assistant in News Service
ETHEL E ALLEN, B.S.	Assistant Editor of Publications
ALINE ESTHER JOHNSON	Secretary and Reporter

LIBRARIES

Interinstitutional

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La Grande

MILDRED MARIE HAWKSWORTH, A.B.....	Librarian
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Eugene

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 IDA M. POPE.....Manager, Placement Service

La Grande

HELEN STERLING MOOR.....Dean of Women

Moumouth

HELEN CHARLOTTE ANDERSON, A.B.....Dean of Women

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Association Manager-Secretary, Memorial Union

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*Eugene*ALEXANDER GATHERER BROWN, LL.B.....General Secretary, Alumni
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HUGH EVERETT ROSSON, LL.B.....Graduate Manager, Student Activities

VERA ADELAIDE POWERS.....Record Clerk

YOUNG MEN'S AND YOUNG WOMEN'S CHRISTIAN
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LULA M. HOWARD.....Employment and Housing Secretary

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RUTH PURDY.....Secretary to the President, Southern Oregon Normal School

HAZEL KELSEY WESTCOTT, B.S.....Secretary to the President, Oregon State
Agricultural College

MARIAN PHY ACER.....Secretary to the President, University of Oregon

HELEN STERLING MOOR.....Executive Secretary, Eastern Oregon Normal School

FAITH JEAN KIMBALL, A.B.....Secretary to the President, Oregon Normal School

RALF COUCH, A.B.....Secretary, Medical School

Part I

Oregon State System of Higher Education



General Information

Admission

IN order to be admitted to any of the state higher educational institutions of Oregon a student must be of good moral character and must present evidence of acceptable preparation for work of college grade. Development of character is regarded as a primary aim in education and is emphasized at all the state institutions of higher education.

ADMISSION TO FIRST-YEAR STANDING

The requirements for admission to first-year or freshman standing conform to the uniform entrance requirements adopted by all of the higher educational institutions of Oregon. The student must have at least fifteen units from a four-year high school or twelve units from a senior high school, earned by entrance examinations or evidenced by a certificate from a standard preparatory school. "Unit" means a subject taught five times a week, in periods of not less than forty minutes, for a school year of not less than thirty-six weeks.

Preparation Required. A student must conform to one of the following plans to obtain admission to first-year or freshman standing:

Plan A. Presentation of fifteen units from a four-year high school or twelve units from a senior high school. Part of these units are to be grouped into majors (a major is three units in one field) and minors (a minor is two units in one field). The distribution from a four-year high school must include two majors and three minors, of which two majors and one minor or one major and two minors must be selected from some of the following fields: English; languages other than English; mathematics; laboratory science; and social science. One of the majors must be in English. The distribution from a senior high school must include two majors and two minors, of which two majors and one minor or one major and two minors must be selected from some of the following fields: English; languages other than English; mathematics; laboratory science; and social science. One of the majors or one of the minors must be in English.

Plan B. Presentation of fifteen units from a four-year high school or twelve units from a senior high school, of which ten units in the former or eight units in the latter must be selected from some of the following fields: English; languages other than English; mathematics; laboratory science; and social science. At least three of the ten units or two of the eight units must be in English.

Plan C. Presentation of fifteen units from a four-year high school or twelve units from a senior high school by students of exceptional ability as demonstrated by superior achievement in preparatory work including the classification of the student in the upper quartile of the graduating class

and the unreserved recommendation of the high school principal. In addition the student may be required to demonstrate his ability by obtaining a high rating in a college mental test. Eight of the fifteen units, however, or seven of the twelve units, must be selected from some of the following fields: English; languages other than English; mathematics; laboratory science; and social science. At least three of the eight units or two of the seven units must be in English.

No credit under any of the plans is granted for penmanship, spelling, physical education, or any subject commonly classified as a student activity.

Special Requirements. In addition to the foregoing entrance requirements which must be met by all applicants for admission to the first-year or freshman class, certain special subjects are necessary for admission to some of the professional and technical schools. Students planning to major in any phase of Engineering should if possible take a full year of physics in high school. In order to be admitted to any of the Engineering curricula a student must have one unit in elementary algebra, one-half unit in higher algebra, and one unit in plane geometry. Students planning to major in Architecture are advised to take preparatory units in solid geometry, trigonometry, advanced algebra, and mechanical drawing. Students planning to major in Music are required to have completed a satisfactory preparatory course in music.

Admission Procedure. Evidence of preparation for entrance to first-year standing may be established by either (1) certificate, or (2) examination.

Admission by Certificate. Applicants who are residents of Oregon are admitted on presentation of the required entrance units from a standard high school, certified by the principal or superintendent on the regulation form for this purpose. Copies of the blank, *Uniform Certificate of Secondary School Record*, used by Oregon institutions of higher learning, are furnished by the registrar on application of either student or principal. The certificate, properly signed, should be filed with the registrar at least two weeks before the opening date. Applications received subsequent to this time are not rejected, but it is impossible to acknowledge receipt of certificates and students may be delayed in completing registration.

Applicants not residents of Oregon must meet all requirements made of Oregon residents; in addition, such applicants are admitted only on a basis of personal selection establishing their fitness to do college work and including evidence of superior ability as demonstrated by high school record. In general, only those non-resident applicants are admitted who rank in the upper one-half of their graduating class.

Admission by Examination. In common with the practice of most institutions of higher education throughout the country, College Entrance Board examinations are accepted. The examinations for 1933 for states west of the Mississippi River have been scheduled for May 22, 1933, at numerous points. Those interested in seeking admission through these examinations should correspond with the secretary of the College Entrance Examination Board, 431 West 117th Street, New York City.

Registration. New students who have definitely selected a vocational objective for which training is offered in one of the technical or professional schools register in that school. Others register in Lower Division and are classified in the group in which their principal interest lies but do not select a major program of study until the junior year. Full directions on registration procedure, and Freshman Week in particular, are furnished each applicant after his credentials have been submitted and accepted.

ADMISSION TO UPPER DIVISION WORK

The College of Arts and Letters, the School of Law, the School of Medicine, the School of Science, and the College of Social Science are on an upper-division basis. In order to be admitted to any of these colleges or schools, a student must hold the Junior Certificate (see page 28). For specific requirements see pages of this catalog devoted to the respective schools.

ADMISSION TO GRADUATE STUDY

Graduates of standard colleges and universities are admitted to graduate study by the registrar on presentation of an official transcript of the credits on which their bachelor's degree is based. But admission to candidacy for an advanced degree is determined only after a preliminary examination, given when a student has completed approximately fifteen term hours of graduate work.

Graduates of other than standard universities and colleges are expected to obtain the bachelor's degree from a standard institution before proceeding to graduate work.

Graduates of standard colleges and universities who desire to take additional work either of graduate or undergraduate character, without seeking an advanced degree, may be admitted to graduate study and be extended the privileges of such classification.

ADMISSION TO ADVANCED STANDING

Advanced standing is granted to students transferring from institutions of collegiate rank. All applications for advanced standing must be submitted to the registrar and must be accompanied by official transcripts covering both high school and college records and letters of honorable dismissal.

The amount of credit granted upon transfer is determined by the committee on academic requirements, which takes into consideration, among other things, the nature of the institution, the quality of the applicant's scholarship, the content, quality, and quantity of the courses completed and their relation to the course of study to be undertaken by the student submitting them. Credit is granted only to the extent to which courses pursued elsewhere articulate with the requirements of the school or department in which the student matriculates. Final determination of the amount

of advanced standing may be deferred until after the student has been in attendance for at least three terms.

A student wishing credit for work done other than in regularly organized courses of an accredited educational institution must petition the committee on academic requirements for permission to take examinations in specified courses, as listed in the catalog. In no case may such examinations be based on work done in high school prior to high school graduation.

ADMISSION AS SPECIAL STUDENTS

Special students are of two classes: (a) those not qualified for admission as regular students but qualified by maturity and experience to carry one or more subjects along special lines; and (b) those qualified for admission as regular students who are not working toward a degree and do not care to follow any of the degree curricula.

An applicant for admission as a special student must be not less than 21 years of age and must file with the registrar documentary evidence sufficient to prove his special fitness to pursue the subjects desired. Credits earned by special students shall not subsequently be counted toward a degree until the student has completed at least two years of work (93 term hours) as a regular student. In case a regular student changes to special status, work done while ranking as a special student will not count toward a degree.

Degrees and Certificates

DEGREES, diplomas, and certificates may be earned in the Oregon State System of Higher Education by completion of the prescribed academic and professional courses of study in colleges and schools on the several campuses, as follows:

At Ashland. The Southern Oregon Normal School offers two-year curricula leading to *State Normal School Diploma* and certificate to teach in elementary schools. Permission is given the institution to function as a junior college within the limits of its curriculum.

At Corvallis. Oregon State Agricultural College offers major curricula and degrees in the following divisions:

School of Agriculture, *B.S., M.S., Ph.D. degrees.*

School of Education, *B.S., M.S. degrees.*

School of Engineering and Mechanic Arts, *B.S., M.S. degrees.*

School of Forestry, *B.S., M.S. degrees.*

School of Home Economics, *B.S., M.S. degrees.*

School of Pharmacy, *B.S., M.S. degrees.*

School of Science, *B.S., B.A., M.S., M.A., Ph.D. degrees.*

Lower Division work leading to the Junior Certificate is offered at Corvallis as follows:

Lower Division work in Liberal Arts and Sciences (Biological Science, Humanities, Physical Science, Social Science), *Junior Certificate* admitting to the School of Science at Corvallis, the College of Arts and Letters, the School of Law, and the College of Social Science at Eugene. Approved lower division work followed by an additional year of approved studies at either Corvallis or Eugene prepares the student for admission to the Medical School at Portland.

Lower Division work in Agriculture, Education, Engineering and Mechanic Arts, Forestry, Home Economics, Pharmacy, *Junior Certificate* admitting to upper division in technical or professional schools on the Corvallis campus.

Lower Division work in Business Administration, Education, Fine Arts, Journalism, and Physical Education, *Junior Certificate* admitting to upper division in professional schools on the Eugene campus.

Lower Division work in Secretarial Training, offered by the School of Business Administration on the Corvallis campus only, *Junior Certificate* admitting to upper division work in school of student's choice at either Corvallis or Eugene.

Lower Division work in Nursing Education offered under the School of Physical Education on the Corvallis campus only, *Junior Certificate* admitting to upper division work in Nursing Education at the Medical School in Portland.

At Eugene. The University of Oregon offers major curricula and degrees in the following divisions:

College of Arts and Letters, *B.A., M.A., Ph.D. degrees.*

School of Business Administration, *B.B.A., B.A., B.S., M.B.A. degrees.*

School of Education, *B.A., B.S., M.A., M.Ed., D.Ed., Ph.D. degrees.*

School of Fine Arts, *B.A., B.S., B.M., B.Arch., B.L.A., M.Arch., M.F.A. degrees.*

School of Journalism, *B.A., B.S., M.A., M.S. degrees.*

School of Law, *LL.B., J.D. degrees.*

School of Physical Education, *B.S., B.A., M.S., M.A. degrees.*

College of Social Science, *B.S., B.A., M.S., M.A., Ph.D. degrees.*

Lower Division work leading to the Junior Certificate is offered at Eugene as follows:

Lower Division work in Liberal Arts and Sciences (Biological Science, Humanities, Physical Science, Social Science); *Junior Certificate* admitting to the College of Arts and Letters, the School of Law, and the College of Social Science at Eugene; and the School of Science at Corvallis. Approved lower division work followed by an additional year of approved studies at either Eugene or Corvallis prepares the student for admission to the Medical School at Portland.

Lower Division work in Business Administration, Education, Fine Arts, Journalism, Physical Education, *Junior Certificate* admitting to upper division in professional schools on the Eugene campus.

Lower Division work in Education and Home Economics, *Junior Certificate* admitting to upper division in professional schools on the Corvallis campus.

At La Grande. The Eastern Oregon Normal School offers two-year curricula leading to *State Normal School Diploma* and certificate to teach in elementary schools. Permission is given the institution to function as a junior college within the limits of its curriculum.

At Monmouth. The Oregon Normal School offers two-year curricula leading to *State Normal School Diploma* and certificate to teach in elementary schools.

At Portland. The University of Oregon Medical School offers major curricula and degrees as follows:

Medicine: *M.A., M.S., M.D., Ph.D. degrees.*

Nursing Education and Public Health Nursing: *Junior Certificates; B.A., B.S. degrees; Public Health Nursing Certificate.*

The Portland Extension Center offers nearly one hundred courses in twenty-four departments and schools applicable for residence credit at the University, State College, and the three Normal Schools.

REQUIREMENTS FOR DEGREES AND CERTIFICATES

For the **Junior Certificate.** The first two years of a student's time are spent in fulfilling the requirements for a junior certificate leading to upper division standing. The requirements for a Junior Certificate are as follows:

- (1) Term Hours: Minimum, 93.
- (2) Grade Point Average: Minimum, 1.00.
- (3) English K: A general examination in English required upon entrance. If this examination is not passed, the course designated as English K must be taken and passed.
- (4) English Composition: 3 terms.
- (5) Physical Education: 6 terms.
- (6) Military Science: 6 terms for men.
- (7) Personal Hygiene: 3 term hours for women.
- (8) Group requirements:

Students are required during the first two years to complete a prescribed amount of work selected from four "groups" representing comprehensive fields of knowledge. The courses in the departments intended to satisfy group requirements are

numbered from 100 to 110 and from 200 to 210. The four groups are as follows:

BIOLOGICAL SCIENCE GROUP.

Bacteriology, Botany, Entomology, Psychology with laboratory, Zoology.

HUMANITIES GROUP.

Art,* English, Germanic Languages, Greek, Latin, Music,* Romance Languages.

PHYSICAL SCIENCE GROUP.

Chemistry, Geology, Mathematics, Physics.

SOCIAL SCIENCE GROUP.

Economics, Geography, History, Philosophy, Political Science, Psychology, Sociology.

The group requirements are different for freshman and sophomore students registered in "Lower Division" and for freshman and sophomore students registered in a technical or professional school. The requirements are as follows:

- (1) *Freshmen and sophomores not registered in a technical or professional school*—that is, those registered in "Lower Division"—must have completed at least 9 approved term hours in each of three of the four groups and at least 9 additional approved term hours in courses numbered 200-210, or equivalent, in any one of the same three groups.

In meeting this requirement, unless otherwise authorized, freshmen take two year-sequences in the 100-110 courses and sophomores take one year-sequence in the 100-110 courses and one in the 200-210 courses.

- (2) *Freshmen and sophomores registered in one of the technical or professional schools* must have completed one year-sequence of at least 9 term hours in either the Humanities or the Social Science group and another year-sequence of at least 9 term hours in either the Biological Science or the Physical Science group, such sequences to be selected from the 100-110 or the 200-210 numbers.†

For the State Normal School Diploma. For graduation each of the three State Normal Schools requires completion of a standard normal school curriculum, comprising a total of 96 term hours of academic and professional subjects—the equivalent of 16 term hours each term for two years.

For the Bachelor's Degree. When a student has fulfilled all the requirements for a Junior Certificate he may begin upper division work in

*May not be used to satisfy this group by students majoring in Fine Arts.

†Students in certain Engineering curricula may defer one group until the Junior year.

the college or school of his choice and become a candidate for a bachelor's degree. The requirements for the bachelor's degree are as follows:

- (1) Junior Certificate.
- (2) Term Hours: Minimum total, 186, including—
 - (a) The hours earned in obtaining the Junior Certificate.
 - (b) A minimum of 45 hours in upper division courses.
 - (c) A minimum of 36 hours in major department, of which 24 must be upper division.
 - (d) A minimum of 45 hours earned after obtaining the Junior Certificate.
 - (e) For B.A.: 36 hours in Arts and Letters, including two years (normally 24 term hours) in a foreign language subsequent to high school graduation.
 - (f) For B.S.: 36 hours in either Social Science or Science.
 - (g) For B.S. in a professional or technical field: 36 hours in the professional or technical school in which the student has majored.
 - (h) For professional bachelor's degree: Recommendation of the dean of the student's major school for the particular degree.
- (3) Grade-Point Average: Minimum, 1.00.
- (4) Residence: Minimum, 45 term hours (normally the last 45).
- (5) Dean's Recommendation: In addition to other requirements the student must have fulfilled requirements of his major school and must be recommended by the dean of his school.

Honors Work at Eugene. Students who feel that the regular work in courses is too highly standardized or not sufficiently challenging to satisfy them, may enroll for honors work in their junior and senior years. The instruction of honors students is largely individual, the aim being to stimulate wide reading, thorough scholarship, and original creative work on the part of superior students. Honors students are expected to do more exhaustive work than other students. They may be excused from regular attendance and from final term examinations in the field of honors work, at the discretion of their major department or school. At the end of their senior year they are required to take a comprehensive examination in the subject or related subjects in which they are working for honors. If successful throughout their honors work, they may receive the degree of Bachelor of Arts with Honors, or Bachelor of Science with Honors.

Enrollment. Students who, at the time of admission to the upper division of the University, have a grade-point average of 1.75 or better are granted a Junior Certificate with Honors Privileges and may enroll for honors work. Students who are granted a Junior Certificate (but not with Honors Privileges) may be recommended to the Honors Council by the head of their major department and, if the Council approves, they may enroll for honors work. This enrollment is made with the chairman of the Honors Council, after approval has been granted by the dean of the stu-

dent's major school and by the Honors Council. The chairman of the Council is in charge of the records involving honors work.

Honors with Thesis in a Department or School. The candidate for Honors with Thesis specializes in a single department or school. Independent investigation of some sort is required, eventuating in a paper, thesis, or other report. This investigation may emphasize a research project and also involve wide reading, or it may emphasize wide reading around some central core of research interest. The faculty of the major department or school is responsible for organizing the student's Honors program and for supervising its progress toward completion. The aim in Honors with Thesis is to provide intensive specialization in one subject.

General Honors Centering in a Department or School. The candidate for General Honors, likewise, is under the responsibility of a single department or school. His Honors program may include related work in two other departments, however, at the discretion of his major department or school. The aim in General Honors is to broaden a subject beyond formal departmental limits, rather than to specialize intensively in one department or school.

For the Higher Degrees. The requirements for the Higher Degrees are indicated on another page in the announcements of the Graduate Divisions. The requirements for degrees in Law and Medicine are indicated in the announcements of the respective schools.

Academic Procedure

THE academic year throughout the state system of higher education is divided into three terms of approximately twelve weeks each. Summer sessions on the various campuses supplement the work of the regular year (see special announcements). Students may enter at any term but are advised to enter in the fall. It is especially important that first-year or freshman students be present for the opening of Freshman Week. The opening and closing dates for the terms of the current year are given in the academic calendar on another page.

DEFINITIONS

A **COURSE** is one of the instructional subdivisions of a subject offered through a single term.

A **YEAR-SEQUENCE** consists of three closely articulated courses in a subject extending through the three terms of the academic year.

A **CURRICULUM** is an organized program of study arranged to provide definite cultural or professional preparation.

A **TERM HOUR** represents three hours of the student's time each week for one term. This time may be assigned to work in classroom, laboratory or outside preparation. The number of lecture, recitation, laboratory, studio, or other periods per week for the respective courses is indicated in the course descriptions or the regular printed schedules.

COURSE NUMBERING SYSTEM

Courses throughout the state system of higher education are numbered as follows:

- 100-110, 200-210. Courses intended to satisfy the Lower Division Group requirements in the Biological Science, Humanities, Physical Science, and Social Science groups. These numbers may also be used by professional and technical schools to designate similar Lower Division courses.
- 111-199. Other courses offered at first-year level. (Courses in the first two years of foreign language offered for the benefit of students who did not get this foundation in preparatory school are numbered 1-99.)
- 211-299. Other courses offered at second-year level.
- 300-399. Upper division courses not applicable for graduate credit.
- 400-499. Upper division courses primarily for seniors but which may be taken for graduate credit provided a more exacting standard is met.
- 500-599. Courses primarily for graduate students but to which seniors of superior scholastic achievement may be admitted on approval of instructor and department head concerned.
- 600-699. Courses that are highly professional or technical in nature and may count toward a professional degree only but cannot apply toward an advanced academic degree such as M.A., M.S., or Ph.D.

Certain numbers are reserved for courses that may be taken through successive terms under the same course number, credit being granted according to the amount of acceptable work done. These course numbers are as follows:

- 301, 401, 501. Research or other original work.
- 303, 403, 503. Thesis. Reading or research reported in writing.
- 305, 405, 505. Reading and Conferences. Independent reading reported orally to instructor.
- 307, 407, 507. Seminar. Independent or assigned reading on current problems reported to groups, using material that never duplicates subject-matter previously covered in course.

REGULATIONS AND REQUIREMENTS

The regulations governing such matters as the routine of registration, academic standards, student activities and organizations vary somewhat at the different institutions. Students are held responsible for familiarity with the regulations on their respective campuses. The information presented in the following paragraphs is limited to items of interest to prospective students prior to registration.

Freshman Week, comprising a program of orientation training for entering freshmen is held annually before the return of students who have previously been in attendance. This arrangement is provided in order that the faculty may be free to devote undivided attention to this work. The new students are made familiar with the objectives of higher education, the principles governing the wise use of time and money, methods of study, and the ideals and traditions of the institution. By means of general assemblies, group lectures and discussions, individual conferences, examinations and tests, constructive effort is made to assist every freshman in getting the best possible start in his new work.

Placement Examinations. As a basis for the most helpful planning of the student's entire program in college, a number of examinations are given entering students.

Psychological Examination. All entering undergraduate students are required to take a psychological examination. This test is considered to some extent a measure of college aptitude, and the results are weighed in arranging the student's program for the term.

Placement Examination in English. All students registering as freshmen are required to take a preliminary examination for the purpose of demonstrating their preparation in English. The examination covers the fundamental principles of grammar and requires evidence of the student's ability to apply these principles in writing. Students failing to obtain a satisfactory grade in this examination are required to pass satisfactorily English K before registering for work in English Composition.

Placement Examination in Mathematics. All freshmen registering in any Engineering or Forestry curriculum are required to take a placement examination in first-year high school algebra, on the basis of which their college work in mathematics is determined.

Physical Examination. A physical examination is required of all students entering the institution. In case examination of any student discloses physical defects, report is made to the Director of Physical Education, and the physical training of the student is adapted to suit, and if possible to correct, such defects.

Grades and Points. The quality of student work is measured by a system of grades and grade points.

Grades. The grading system consists of four passing grades, A, B, C, D; failure, F; incomplete, Inc. Students ordinarily receive one of the four passing grades or failure. When the quality of the work is satisfactory, but the course has not been completed, for reasons acceptable to the instructor, a record of incomplete is made and additional time is granted; this additional time is only to the end of the next subsequent term that the student is registered in the institution. Students are officially withdrawn (W) from a course on filing the proper blanks with the registrar's office.

Exceptional accomplishment is denoted by the grade of A, superior by B, average by C, inferior by D, unsatisfactory by F. In an average class approximately 5 to 10 percent should receive the grade of A; 20 to 30 percent, B; 35 to 45 percent, C; 20 to 30 percent, D; and 10 percent or less, F.

Points. Grade points are computed on the basis of 3 points for each term hour of A grade, 2 for each term hour of B, 1 for each term hour of C, 0 for each term hour of D, and -1 (minus one) for each term hour of F. Marks of Inc. and W, are disregarded in the computation of points. The grade point average (GPA) is the quotient of total points divided by total term hours, total term hours being the number of term hours in which grades (A, B, C, D, and F) are received.

Scholarship Regulations. The administration of the regulations governing scholarship requirements on each campus is vested in a committee of the faculty known as the scholarship committee. This committee has discretionary authority in the enforcement of rules governing probation, and also has authority to drop a student when it appears that his work is of such character that he cannot remain with profit to himself and with credit to the institution. In general, this implies substantial progress toward meeting graduation requirements.

- (1) A student of lower division rank is automatically placed on probation if his grade-point average for any term is below .50, and he shall not be released from probation until his grade-point average for a subsequent term is at least .75.
- (2) A student of upper division rank is automatically placed on probation if his grade-point average falls below 1.00, and he shall not be released from probation until his grade-point average for a subsequent term is at least 1.00.
- (3) A student on probation must withdraw from all student, extra-curricular, and organization activities.
- (4) No student who has been in residence six terms, or equivalent, is eligible to hold any elective office or to accept an appointment in a student activity unless he has been admitted to upper division standing.

Auditors. Persons not registered in the institution who desire to attend classes in any subject regularly during the term may be classified as auditors on the presentation to the registrar's office of a formal petition approved by the instructor who gives the course and the payment of a fee assessed at the rate of one dollar per term hour. Any student regularly enrolled in the institution desiring to attend a class without registering for credit may be granted this privilege on presentation to the registrar of a formal petition approved by the instructor who gives the course and the dean of the school in which the student is registered.

Visitors. A person not regularly registered as a student but who may be on the campus as a guest of the institution may be granted the privilege of attending classes on the presentation of a visitor's card signed by the registrar.

Final Examinations. At the close of each term final examinations are arranged in all courses, except in the case of subjects not readily lending themselves to written examinations. Courses in the latter classification may be exempted on approval of the Schedule Committee.

Restrictions. Not more than sixty term hours of correspondence study may be applied toward a degree. Not more than forty-eight term hours of law or medicine may be applied toward any degree other than the professional law and medical degrees. Not more than twelve term hours of applied music may count toward any degree other than the Bachelor of Music degree.

Automobiles. By order of the State Board of Higher Education use of automobiles by students attending any of the institutions in the state system of higher education is subject to regulation to the end that such use shall not in any way be a detriment to the maintenance of the highest standards of scholarship, social life, and general welfare of institutions and students.

Fees and Deposits

FEEs and deposits in all the state institutions of higher education are charged according to a uniform plan. The fees vary on different campuses according to differences in conditions or nature of work offered. The fees at all three state normal schools are the same. The fees at the University and the State College are the same.

AT ASHLAND, LA GRANDE, AND MONMOUTH

All students in the state normal schools pay a registration fee of \$17.00 a term or \$51.00 a year. This includes the regular \$9.00 tuition fee required by the state and the regular student body fee, the health service fee, and the physical education fee formerly listed separately as required fees. Non-residents pay a fee of \$9.00 a term in addition to the fee paid by Oregon residents (see Regulations Governing Non-Resident Tuition). The general fee entitles the student to all the privileges of the institution and to admission to all athletic and forensic contests, social functions, dramatic, musical, and literary events sponsored by the associated students.

A deposit of \$2.00 must be sent to the Director of Dormitories at the Oregon Normal School at the time of application for a room.

AT CORVALLIS AND EUGENE

All students enrolled in the University of Oregon and Oregon State Agricultural College during the regular academic year pay a uniform registration fee, irrespective of the school or curriculum in which they are classified. This charge covers all regular fees payable during the term and is collected at the time of registration.

Undergraduate Fee. Undergraduate students who are residents of Oregon pay a flat registration fee of \$38.00 each term, or \$114.00 a year. Non-residents pay \$50.00 a term, or \$150.00 a year, in addition to the fee paid by Oregon residents. The registration fee includes the Associated Students' fee of \$5.00 a term, which gives the student the Associated Students' ticket, admitting to all athletic events and other activities sponsored by the student body, as well as a subscription to the student daily newspaper; the health service fee of \$3.50 a term, which provides medical con-

sultation and advice from a competent medical staff; the Building fee of \$5.00 a term levied by the Associated Students to provide and maintain certain building projects and pay off other obligations initiated and voted by the students; and the class fee of fifty cents, which goes to the support of the class of which the student is a member. The remainder of the registration fee, in the amount of \$24.00, is credited to the state, entitling the student to register in any school or curriculum without additional charge, and providing free use of all institutional facilities and equipment maintained for the benefit of students. All laboratory and course fees as formerly levied have been abolished as they are covered by the undergraduate fee of \$38.00 a term.

Graduate Fee. A graduate student is required to pay a registration fee of \$26.00 each term, or \$78.00 a year. This entitles the student to enroll in any school or curriculum without additional charge; free use of all institutional facilities and equipment maintained for the benefit of students; a subscription to the student daily newspaper; the Associated Students ticket; and the privileges of the health service. In order to register as a graduate student, a student must have received a bachelor's degree or have completed all requirements for a bachelor's degree.

Graduation Fee. A graduation fee of \$10.00 is paid for each degree taken. The regulations of the institutions prescribe that no person shall be recommended for a degree until he has paid all fees and charges due the institution, including the graduation fee. The graduation fee entitles the student to one year's membership in the Alumni Association.

Special Fees. The following fees are paid by the students under the conditions indicated:

1. Late Registration Fee.....\$1.00 to \$5.00

Students registering after the scheduled registration dates of any term pay a late registration fee of \$1.00 for the first day and \$1.00 for each additional day until a maximum charge of \$5.00 is reached.

2. Change of Program Fee.....\$1.00

If a student makes any change in his official program after such schedule has been duly approved and accepted by the registrar's office, this charge is made.

3. Part-time Fee, per term hour.....\$3.00

Any student, either graduate or undergraduate, registering for six term hours of work or less may have an option of a reduced rate of \$3.00 per term hour. This fee is payable at the time of registration and extends the permission of class attendance and free use of library, but not to any other institutional privileges.

4. Reinstatement Fee.....\$2.00

If for any reason a student has his registration canceled during a term for failure to comply with the regulations of the institution, but is later allowed to continue his work, the reinstatement fee is charged.

5. Special Examination Fee, each course.....\$2.00

If a student is granted the privilege of taking an examination for advanced credit or other special examination, this fee is charged.

6. Auditor's Fee, per term hour.....\$1.00

An auditor is a person who has obtained permission to attend classes without receiving academic credit. The fee is payable at the time of registration and entitles the student to attend classes but not to enjoy other institutional privileges.

7. Transcript Fee.....\$1.00

A fee of \$1.00 is charged for each transcript issued after the first, which is issued free of charge.

Non-resident Fee. All regular undergraduate students at the University and the State College who are not residents of Oregon pay a non-resident fee of \$50.00 a term or \$150.00 a year in addition to the fees paid by Oregon residents (see Regulations Governing Non-resident Tuition). Out-of-state students at the normal schools pay a non-resident fee of \$6.00 a term.

Deposits. Each student who enrolls for academic credit is required to make a deposit of \$10.00 payable once each year at the time of first registration. This is required as a protection against loss or damage of institutional property made available for the use of the student, including such items as laboratory equipment, military uniforms, library books, locker keys, or against any contingencies that may arise. If at any time charges against this deposit become excessive, the student may be called on to re-established the original amount.

Fee Refunds. Students who withdraw from the institutions and who have complied with the regulations governing withdrawals will be entitled to certain refunds of fees paid, depending on the time of withdrawal. In no case shall the amount retained by the institution be less than \$5.00. The amounts listed below will be refunded under the conditions indicated.

- (1) Any claim for refund must be made in writing, with the student body ticket attached, before the close of the term in which said claim originated.
- (2) Refunds in all cases shall be calculated from the date of application for refund and not from the date when the student ceased attending classes, except that in the case of a student withdrawing on account of illness refunds shall be calculated from the date of last class attended, provided the claim for refund is accompanied by a certificate from the attending physician.
- (3) If withdrawal is requested after the student's registration has been filed, but before the close of the first week in which classes begin, \$5.00 shall be retained by the institution and any amount paid by the student above \$5.00 shall be refunded.
- (4) If withdrawal is requested after the close of the first week in which classes begin, but before the close of the second week, a refund of three-fourths of the term fees shall be granted.

- (5) If withdrawal is requested after the close of the second week of classes, but before the close of the fourth week, one-half of the term fees shall be refunded.
- (6) If withdrawal is requested after the close of the fourth week of classes, and before the close of the sixth week, one-fourth of the term fees shall be refunded.
- (7) After the close of the sixth week of classes no refunds shall be allowed.

Deposit Refunds. Within three weeks after the close of the academic year, or after the close of either the fall or winter term, should a student discontinue his work before the year is completed, the \$10.00 deposit, less any deductions which may have been made, will be refunded.

AT PORTLAND

At the University of Oregon Medical School the tuition and registration fees are as follows:

For medical students:

Matriculation fee	\$5.00
Resident tuition fee	\$80.00 a term
Non-resident fee	\$20.00 a term (additional)
Breakage deposit—first and second years	\$15.00
Breakage deposit—third and fourth years	10.00

For students in nursing:

*Degree curricula and Public Health Certificate curricula	\$30.00 a term
Junior Certificate curricula	\$11.00 a term
Non-resident fee	\$20.00 a term (additional)
Pre-nursing curriculum.....	\$30.00 a term, plus \$1.50 per term hour for laboratory courses.

At the Portland Extension Center the fees are as follows:

Registration Fee, per term.....	\$8.00
Delinquent Fee (charged if registration fee is not paid within first four weeks of the term)	1.00

Laboratory and special fees are required in certain courses.

REGULATIONS GOVERNING NON-RESIDENT TUITION

The Oregon State Board of Higher Education has defined a non-resident student as a person who comes into Oregon from another state for the purpose of attending one of the institutions under the control of the Board.

In order to draw a clear line between resident and non-resident students the Board has ordered that all students in the institutions under its

*Students enrolled in the first two years of these curricula, which are given at the State College at Corvallis, pay the fees required by that institution.

control who have not been domiciled in Oregon for more than one year immediately preceding the day of their first enrollment in the institution shall be termed non-resident students, with the following exceptions:

- (1) Students whose fathers (or mothers, if the father is not living) are domiciled, as defined under (1) below, in the State of Oregon.
- (2) Children of regular employees of the Federal Government stationed in the State of Oregon.
- (3) Students holding bachelor's or higher degrees from higher educational institutions whose work is acceptable as preparation for graduate work.
- (4) Students in summer sessions.

The Board established the following rules to be observed in determining the resident status of students:

- (1) Residence and domicile are synonymous and domicile shall be considered to be a fixed permanent residence to which, when absent, one has the intention of returning.
- (2) A student entering from another state or country is prima facie a non-resident, and to change this residence the burden of proof is upon the student.
- (3) Residence cannot be changed by mere declaration of intention so to change, and in addition to declaration of intention to change residence must be supporting fact sufficiently strong to satisfy the authorities that the intention has actually been effected.
- (4) In case of minors, change of residence of parents or legal guardians will be closely examined.
- (5) In case of persons of legal age, such things as residence of parents, or nearest relatives, or wife, or children, or intimate friends to whom one would naturally go in case of illness or other distress, will be considered as factors entering into the matter of intent.
- (6) Actions will be considered as speaking louder than words in determining the weight of evidence, hence less weight will be given to a person's declarations than to his acts.
- (7) The length of time in the state will not alone determine residence.
- (8) Voting residence will not be a determining factor because of the Oregon constitutional provision, Art. II, Sec. 4, providing that a person shall not be held to have gained or lost a residence for the purpose of voting while a student at any institution of learning.
- (9) Two things, namely, (a) actual habitation and (b) intention of remaining, must exist simultaneously, and the intention to remain must be construed to mean remain permanently and not merely during school term or any other equally temporary time. It must be a bona fide permanent residence with no thought of change in the intent or residence when the school period shall have expired.
- (10) A non-resident at the time of his enrollment must be held to that classification throughout his presence as a student except in those rare cases where it can be proved that his previous domicile has been abandoned and a new one established independent of the college or his attendance thereon.

Student Living

COMFORTABLE, healthful, and congenial living conditions for students are regarded as of great importance at all the institutions in the state system of higher education. Living conditions of the right kind not only aid students to do the best work in their studies but also

through the experiences of group life contribute to the building of character and personality. Hence, on each campus careful consideration is given to proper living conditions for students, not only through provision of institutional halls of residence on some of the campuses, but also through supervision of the living conditions of students outside the dormitories as well. In general, on the campuses where dormitories are maintained freshmen are required to reside in them. It is regarded as a distinct advantage for students to live in the dormitories.

In addition to those living in the dormitories, many students at Corvallis and Eugene live in fraternity, sorority, or club houses accommodating groups of from twenty to fifty persons. Admission to these groups is by invitation only.

Students also live with relatives near the campus or in private homes or boarding houses.

DORMITORIES

At Corvallis, Eugene and Monmouth, halls of residence are maintained for students. The object is to provide comfortable, democratic living conditions conducive alike to successful work as a student and to complete participation in the wholesome activities of campus life. Living conditions within the halls are made as nearly like those of a good modern home as possible. In addition, the method of government, the distribution of responsibility, and the opportunities for sharing in all the privileges and activities of a congenial social group are such as to promote social coherence and develop college spirit—that indefinable but truly memorable element in the life of a student in an institution of higher learning.

Room Deposits. In the case of students at the University or the State College, a deposit of \$5.00 must be sent to the Director of Dormitories on the respective campuses at the time of application for room. On registration this deposit applies on the first month's bill for board and room.

In the case of students at the Oregon Normal School, a deposit of \$2.00 must be sent to the Director of Dormitories at time of application for a room.

In case a student who has applied for a room does not enter the institution, the deposit will be refunded provided notification is sent at least one week before the opening date. Rooms will not be held after the first day of registration.

The charges listed for room and board do not include vacation periods. The right is reserved to increase the price of room and board should advance in costs require. A corresponding decrease will be made whenever decreased costs make it possible.

Students are not expected to arrive at halls of residence until the day the dormitories are open, usually one day before the opening date of a term.

Dormitories at Corvallis. Five halls of residence for men, Buxton, Cauthorn, Hawley, Poling, and Weatherford Halls, are maintained on the Corvallis campus, accommodating a total of 344 students. The five halls are part of a single structure described elsewhere under "Buildings" as the "Men's Dormitory."

Rooms accommodate two students each and are equipped with study tables, chairs, dressers, and wardrobe facilities. All floors are covered with a good grade of linoleum. Adequate lighting is provided, besides which there are attachments for study lamps. Each floor has lavatory and shower-bath facilities. For each floor common sleeping rooms are provided, equipped with cots, mattresses, mattress covers and pillows. Each student furnishes his own study lamp, bedding, towels, and personal furnishings. In each hall a club or social room, comfortably and tastefully furnished, is available for the use of all students in the hall. Telephone service is provided on each floor of each hall, and in the basement of each hall laundry facilities with electric irons and trunk storage accommodations are available. In addition, one of the halls contains a general reception room and guest suite for the entertainment of parents and other guests.

The expenses for living for each student in the men's halls are as follows:

Board, payable in advance three times each term: Per week..	\$ 5.50
Room (partly furnished), payable in advance—	
Double room: Per term.....	27.00
Single room: Per term.....	41.00

Three halls of residence for women are provided on the Corvallis campus, including Ida Kidder, Margaret Snell, and Waldo. All the halls are homelike and attractive and are supplied throughout with pure mountain water, both hot and cold, electric lights, and steam heat. The rooms are furnished with single beds, mattresses, dressers, tables, and chairs. Other furnishings, including pillows, pillow-cases, sheets, blankets, bed spreads, curtains, rugs and towels are furnished by the student. The bedrooms average about 12 feet by 15 feet with one window 3 feet by 7 feet. Many of the rooms are larger and a few of them have two or three windows. All rooms in Margaret Snell Hall have two or more windows. Each hall contains reception and social rooms for the use of students. Laundry facilities and trunk storage accommodations are also available in each hall. Telephone service is provided. Ida Kidder Hall will not be in use during 1932-33.

The expenses for living for each student in the women's halls are as follows:

Board, payable in advance three times each term: Per week	\$ 5.50
Room (partly furnished), payable in advance—	
Double room: Per term.....	21.00
Single room: Per term.....	32.00

College Tea Room. A tea room in the Memorial Union under the supervision of the Department of Institution Economics in the School of Home Economics serves attractive luncheons during the regular school week. The tea room also makes a specialty of catering for luncheon and dinner parties.

Housing Regulations at Corvallis. The following regulations govern housing of students at Corvallis, with the provision that when financial reasons make it necessary the housing committee may excuse students from dormitory residence and permit them to live in approved homes when rates for board and room are lower.

All freshman women at the College are required to live in the dormitories during the first year.

All women students, other than freshmen, who do not live with their relatives in Corvallis or in sorority houses are required to live in the dormitories.

Upperclass women at the College may move to the sorority houses at the beginning and end of any term. At the beginning of the term, moving will take place on the second Saturday.

Freshman and sophomore men not living with relatives in Corvallis or in the present organized fraternities must live in the dormitories. Any exemptions from this requirement must be approved by the Housing Committee.

Any student reserving a room in the men's halls must occupy it until the end of the term. If he moves out of the dormitory before the end of the term without proper permission, he must pay his room and board to the dormitory for the remainder of the term or forfeit his registration. A student who pledges to a fraternity may move to a fraternity house at the end of either the first or the second term if he substitutes a student in his place at the dormitory, if he petitions the Director of Dormitories to be released in his turn as new students enter the dormitory, or if on proper authority he is released on account of serious financial condition of his fraternity.

All women students living in the dormitories must take their meals at the dormitories.

All men students living in the dormitories must take their meals in the dining-room provided for them in the Memorial Union.

Dormitories at Eugene. Seven halls of residence for men are maintained on the Eugene campus comprising Friendly Hall and Alpha, Gamma, Sigma, Omega, Zeta, and Sherry Ross halls. Friendly Hall accommodates 77 men, some in double rooms or suites for three men each and others in smaller rooms for two men each. The other halls named constitute a single structure accommodating 276 men, described elsewhere under "Buildings" as the "Men's Dormitory." Each hall has its own club rooms and dining-room.

Each room in the men's halls is equipped with individual study tables, study chairs, individual study lamps, waste-paper baskets, a lounge chair, rugs, draperies, individual dressers, a steel costumer, and individual closet space. Each room has running hot and cold water and a medicine cabinet with mirror. Separate sleeping porches for each four men are equipped with single beds. Students are required to furnish only their blankets and towels. Telephone service and laundry facilities are provided.

The expenses for living for each student in the men's halls are as follows:

Board, payable in advance three times each term: Per week.....	\$ 5.50
Room (furnished), payable in advance—	
Friendly Hall: Per term.....	24.00
Men's Dormitory—	
Double room: Per term.....	30.00
Single room: Per term.....	45.00

Three residence halls for women are maintained on the Eugene campus. Both Hendricks Hall and Susan Campbell Hall, each accommodating 112 girls, are divided into units of nine suites each, each suite planned for four occupants. A suite consists of a study room, dressing room, and sleeping porch with individual beds. Each floor in each unit has a bathroom equipped with showers, tubs and lavatories. Each study room is furnished with a study table, bookstand, reading light, four chairs, and a couch. Each dressing room is equipped with hot and cold water, individual chiffoniers with mirrors, and individual closet space. Bedding, rugs, and curtains are supplied by the University. In the basement a trunk room and complete laundry equipment including stationary tubs, boilers, clothes-lines, ironing boards and electric irons are available. Each student must furnish her own towels, a water glass, and an extra blanket. Mary Spiller Hall is a frame building connected by a sun parlor and dining-room with Hendricks Hall. It accommodates 18 girls, having six single rooms and six double rooms. The furnishings are the same as for the other halls.

The expenses for living for each student in the women's halls are as follows:

Board, payable in advance three times each term: Per week.....	\$ 5.50
Room (furnished), payable in advance—	
Room in suite: Per term.....	24.00
Single room: Per term.....	36.00

Housing Regulations at Eugene. The following regulations govern the housing of students at Eugene, with the provision that when financial reasons make it necessary the housing committee may excuse students from dormitory residence and permit them to live in approved homes when rates for board and room are lower.

Women students who do not live with relatives in Eugene or in sorority groups are required to live in the dormitory for the academic year.

Women students living in the dormitories may pledge but cannot move from the dormitory until the expiration of the year unless they are granted permission by approved petition signed by the Housing Committee.

All women students living in the dormitories must take their meals at the dormitory.

All freshman and sophomore men not living with relatives in Eugene or in the present organized fraternities must live in the dormitories during the college year. Any exemption from this requirement must be approved by the Housing Committee.

Any upper division student reserving a room in the men's halls must occupy it until the end of the term. If he moves out of the dormitory before the end of the term, he must pay his room and board in full or forfeit his registration.

All men students living in the dormitories must take their meals in the dining-rooms provided for them in the Men's Dormitory.

Dormitories at Monmouth. The halls of residence on the Monmouth campus include Jessica Todd Hall, the Senior Cottage, East House, and

West House. The largest of these, Jessica Todd Hall, is a student residence of unusual attractiveness, unique in both plan and furnishings, and accommodates 152 girls; Senior Cottage, a two-story house of red brick and gray shingled walls accommodates 26 girls; East House accommodates 18; and West House, stately colonial residence, accommodates 30 girls.

The student rooms are provided with steam heat, hot and cold running water, and equipped with individual clothes closets and the ordinary room furnishings, including bed linen, blankets, bedspreads, and towels, all laundered in the dormitory laundry. A dressing-table cover, a shoe bag, and in some instances a study lamp are the only furnishings that a student needs to provide.

The expenses for living for each student in the halls are as follows:

Board, payable in advance three times each term: Per week.....	\$ 5.00
Room (furnished): Per term	18.00
Board at Jessica Todd Hall for students not in campus halls	
Per week	5.00

PRIVATE BOARD AND ROOM

At Ashland and La Grande. No halls of residence are maintained by the Southern Oregon Normal School and the Eastern Oregon Normal School, all students finding living accommodations in private homes and boarding houses. A Housing Committee inspects all rooms from the point of view of sanitation and equipment and lists those which meet its standards. Students can obtain lists from the committee after arrival or advance information will be supplied on request. Room and board are available at about \$6.50 a week. At Ashland a student cafeteria under the supervision of the Normal School Health Director serves lunches at cost.

At Corvallis and Eugene. Board and room can be obtained in private homes or boarding houses at rates from \$25.00 to \$40.00 a month. The Housing Committee exercises general supervision over student living. This committee endeavors to see that all students have comfortable rooms and wholesome living conditions.

At Monmouth. Besides the halls of residence provided by the state, a large number of approved homes provide rooms for students under school regulations. In private homes room and board cost about \$6.50 a week, room without board \$2.00 a week. A reduction in the price of board is made for a week's absence or more. A few cottages are also available for mature students or small families. Housekeeping rooms are \$2.00 to \$2.50 per week, including heat, light, water, and the laundering of bed linen. Towels are not furnished to students in any private home. A cafeteria provides a mid-day luncheon at minimum prices.

At Portland. Numerous rooming and boarding houses are located near the Medical School.

STUDENT EXPENSES

In thinking of the cost of a year in college, the student usually has in mind the amount which he will spend from the time he leaves home until he returns at the close of the year. Such an estimate includes, of course, such personal items as clothing, travel, and amusements, items which vary according to the thrift, discrimination, and habits of the individual. The following table gives as nearly as possible the average expenses incurred by a student during an academic year. Board and room estimates are based on charges for men in the halls of residence. The cost of board and room for women is somewhat lower. The incidental item varies greatly with the individual. Cost of clothing is not included. The expenses of the first term are listed also, since the first term involves expenses not incurred during the second and third terms.

Items	At Ashland, La Grande, Monmouth		At Eugene or Corvallis	
	First Term	Year	First Term	Year
Fees	\$ 17.00	\$ 51.00	\$ 38.00	\$114.00
Deposit			10.00	10.00
Books, supplies, etc.	10.00	20.00	25.00	50.00
Board	65.00	180.00	64.00	198.00
Room	19.50	54.00	30.00*	90.00
Incidentals	8.50	25.00	35.00	100.00
	\$120.00	\$330.00	\$204.00	\$562.00

*Dormitory room (men) at Corvallis \$27, partly furnished, \$30 at Eugene, more completely furnished.

SELF-SUPPORT

At all the institutions many students earn a large part of their expenses by work in the summers and during the academic year. Some students are entirely self-supporting. In some cases students devote an occasional term or two to regular employment in addition to vacation periods, thus taking more than the usual number of years to complete a course.

The work available during the academic year consists of such tasks as janitor work, typewriting, reporting, tutoring, waiting on table, clerking, clothes pressing, caring for children, odd jobs, etc.

At each institution organized effort is made to assist those desiring to find work. Remunerative employment cannot be guaranteed to all who may desire it, and the new student should have sufficient funds to cover the expenses of at least the first term. It is difficult to earn one's way while carrying a program of studies and only capable students of good health should attempt it. The attention of new students who intend to earn all or part of their living is called to the following results of past experience.

1. Work of any kind is much more readily obtained after the student has had opportunity to familiarize himself with the local conditions.

2. No student should expect to obtain employment by correspondence. It is advisable, however, to send an application to the employment bureau some time after September 1 and to come to the campus a day or two before the term opens to talk the matter over with the employment sec-

retary. Positions for part-time employment are not listed, as a rule, until about the time the term opens.

3. No student should come expecting to earn money unless he knows how and is willing to work. Only those students who do their work well can succeed in obtaining sufficient employment to meet their needs.

4. There is a constant over-supply of those wishing to do teaching and clerical work. None but those having superior qualifications and experience are likely to obtain employment of this type during the first term.

5. There is a considerable demand for efficient stenographers, but generally there is not sufficient work of this kind to meet the needs of all applicants.

6. Students who can do any kind of domestic or manual labor well and who have good health can earn their board for three hours of work a day or board and room for three and one-half hours of work a day.

The employment bureaus on the several campuses are conducted as follows:

At Ashland: President's office.

At Corvallis: For men, Young Men's Christian Association; for women, Dean of Women's office.

At Eugene: Employment Secretary.

At La Grande: President's office.

At Monmouth: President's office.

Health Services

ON all campuses in the state system of higher education provision is made for the safeguarding of student health. At Ashland, Corvallis, Eugene, La Grande, and Monmouth organized health services are maintained. The entire health service program throughout the system is directed by the Dean of the Medical School.

The purpose of the health services is to preserve health, to prevent disease, and to provide medical attention for ill students. The accomplishment of this purpose is sought through health education, detection of incipient disease, defection of remediable defects through the medium of complete medical examinations, and by appropriate medical attention for acute disease conditions.

At Ashland. An efficient program of health instruction and health service is conducted at the Southern Oregon Normal School. Health education and personal hygiene courses are emphasized. Physical and health examinations are given to all new students with follow-up work. Medical advice is given in cases of ordinary illness and hospitalization for more

serious cases is given for a limited time. The living conditions of students including the school cafeteria are at all times closely supervised.

At Corvallis. The College health service is housed in a frame building in the East Quadrangle. This building is equipped with a secretary's office, a waiting room, three doctors' offices, a nurse's treatment room, a laboratory and pharmacy, and an X-ray room. The College hospital is located at 853 Harrison Street. The staff comprises three full-time physicians, one of whom is a woman; four nurses and a technician.

Students are entitled to general medical attention and advice at the health service during office hours. Complete medical examinations are required of all new students and are given to other students if requested. Any student whose condition demands hospitalization for general medical attention is entitled to free care at the College hospital not to exceed five days in any one term during the regular academic year. All expenses of, or connected with, surgical operations or highly specialized service must be borne by the students who require such attention. An ill student may, on request, be attended at his rooming place by health service physicians. Such calls, after health service hours, should be telephoned to the College hospital. For each call at student's place of residence an additional fee of \$1.00 is charged, payable at the business office upon receipt of a statement from the health service.

At Eugene. The University health service maintains a dispensary and infirmary for the use of students. The staff consists of three full-time physicians, four graduate nurses, and a technician.

The University dispensary service is free to students, except for a small fee for medicine and special supplies. The dispensary, located between Friendly Hall and the Journalism Building, in a building remodeled for this purpose, contains the offices of the health service, and, in addition, laboratories, physicians' consulting rooms and waiting room, etc.

The University infirmary provides free care and medical attention for regularly registered students for a period of five days in any one term of the regular academic year, with a charge of \$3.00 per day for longer service. In all cases where a special nurse is deemed necessary the expense must be met by the student. The infirmary and dispensary service does not extend to cases requiring the care of a specialist or involving major operations or chronic diseases.

At La Grande. A constructive health service is conducted for the benefit of students in the Eastern Oregon Normal School. Principles of health are emphasized through physical examinations, instruction in personal hygiene, and a systematic program of activities and sports. Attention is given to the conditions and habits of living for each student. Through the health service fees medical advice is given students in case of occasional and ordinary illness. This service does not extend to chronic cases, those involving major operations, nor to illness of other than temporary duration.

At Monmouth. The Oregon Normal School maintains the following means for protecting and promoting the health of students: physical examinations at the time of entrance and follow-up supervision as needed; phys-

ical education classes and other recreational activities; courses in personal hygiene and in health education; supervision of student living; and a health service which furnishes a limited amount of medical attention and provides (1) a dispensary for the care of minor injuries and ailments by the School Nurse, and (2) a nine-bed infirmary for the care of more serious illnesses.

At Portland. A committee of the faculty at the Medical School has special charge of student health. In addition to the general service of the entire school, arrangement is made for obtaining the advice and aid of the Dean, Associate Dean, and Student Health Committee in all student health and welfare problems.

Loan Funds

AS an aid to students in financing a part of their residence study at the several institutions a number of loan funds have been established. Some of these are available to students at any of the institutions in the Oregon State System of Higher Education. Other loan funds are available only to students on the Corvallis and Eugene campuses. Many special loan funds have been established applicable only to the particular institution. At all the institutions the loan funds are administered by officers of the institution according to whatever provisions may have been specified by the respective donors of funds.

AVAILABLE ON ALL CAMPUSES

Federation of Women's Clubs Educational Fund. This fund provides loans to women students who are well recommended.

Masonic Educational Funds. The Grand Lodge of the State of Oregon has assigned two thousand dollars (\$2,000) to a fund which may be used by needy sons and daughters of Master Masons. Loans from this fund are made at the discretion of the Trustees of the Grand Lodge, upon the recommendation of the president of the institution and the approval of the master and wardens of the lodge located in the same place as the institution. Loans to any one student may not exceed three hundred dollars (\$300) in a school year, subject to repayment in full or in installments at the borrowing student's earliest convenience.

The Knights Templar have a national fund available for the aid of students in their junior and senior years. The student applying need not necessarily have Masonic affiliations as a prerequisite. Loans from this fund are obtained in the manner above described.

Eastern Star Educational Fund. Loans are available to students who are members or daughters of members of the Order of the Eastern Star. Loans are made in amounts of not more than three hundred dollars (\$300) in a school year. Notes are for one year and renewable at the pleasure of the Worthy Matron, and draw four percent interest. Loans are made

upon honor, no security being asked, and will be made by the Trustees of the Grand Lodge on the recommendation of the president of the institution which the student is attending and the approval of the Worthy Matron and Worthy Patron of the chapter of the Order of the Eastern Star located in the same place as the institution of learning.

AVAILABLE AT ASHLAND

A loan fund of \$2,200 is available for the use of students who have attended the Southern Oregon State Normal School for a term or more. A loan not to exceed \$75.00 is made without interest to students deemed worthy by the administration.

AVAILABLE AT BOTH CORVALLIS AND EUGENE

The Crawford Loan Fund. By the wills of the late Edward G. Crawford and his wife Ida M. Crawford a fund has been left in trust with the United States National Bank of Portland to assist worthy young men desiring to educate themselves. Applications for assistance under this will are made through the local loan office. Applicant must be a native-born citizen of the United States, have attended primary school, either public or private, and have shown a desire and ability to help and educate himself. He must be regularly enrolled as a student in the school or college at which the proceeds of the loan will be used. According to the terms of the will, this fund can be used to assist young men who require financial aid in obtaining an education in any of the mechanical arts, trades, or in practical business, or along any particular line of study save and except the professions of medicine, law, theology, pedagogy, and music.

Royal Arch Masons' Loan Fund. The Grand Chapter of Royal Arch Masons of Oregon has established a loan fund of \$2,500 jointly between Oregon State Agricultural College and the University of Oregon for the sons or daughters of Royal Arch Masons of Oregon. Loans from this fund are obtained as in the case of other Masonic loan funds.

AVAILABLE AT CORVALLIS

A special faculty committee is charged with the responsibility of administering the Student Loan Fund and cooperates also in the administration of other loan funds open to students at the College, including the Bernard Daly Educational Fund (see Scholarships) in so far as it applies to the College.

The Student Loan Fund. The Student Loan Fund is a perpetual revolving trust fund, established for the purpose of lending money to worthy students attending or who wish to attend Oregon State Agricultural College. It is administered by the Student Loan Fund of the College, a membership organization, incorporated under the laws of the State of Oregon, whose members are known and designated as trustees, and are appointed by the President of the College. This fund has arisen through the liberality of friends of Oregon State Agricultural College and through the accumulation of interest on loans.

Purpose. The purpose, as expressed by one of the donors, is "not to induce students to attend school by providing money that can be easily obtained, but rather to aid those who have determined to secure an education and are paying the cost wholly or in part from their own earnings." Students are eligible to loan aid after they have been in attendance at the College at least one term.

Contributions. Among the many donors to the Student Loan Fund may be mentioned the following: Hon. R. A. Booth, Mrs. Clara Humason Waldo, Mr. Ashby Pierce, Mr. R. M. Johnston, Mr. L. J. Simpson, Mr. Ben Selling, the College Folk Club, the Agricultural Club, the Oregon Countryman, miscellaneous contributions by Faculty, Professors Paul Petri and Lillian Jeffreys Petri, Winter Short Course students, Piano Practice Fund, Class Donations (1901, 1912, 1915, 1916), Y. M. C. A., Rifle club, Marguerite Mac Manus String Quartet, Salem Oregon State Club, Portland Oregon State Club, Oregon State Barometer, Domestic Science Dining-room (Panama-Pacific International Exposition, San Francisco), bonds during the war—Waldo Hall Club, Cauthorn Hall Club, Miners' Club.

Fundamental Principles. The fundamental principles upon which the fund is administered and upon which the success of the fund has been built are:

- (1) Care in the selection of student character as a credit basis.
- (2) Detailed budgeting of expenses and receipts to assure that the sums borrowed are not disproportionate with the student's capacity to repay.
- (3) Insurance against loss by a "Contract of Guaranty" signed by the parent or guardian.
- (4) Effective follow-up system on delinquent loans.

The J. T. Apperson Agricultural College Educational Fund. By the will of the late Hon. J. T. Apperson, Regent of the College from its foundation, a fund amounting to between \$55,000 and \$75,000 is to be a perpetual endowment, administered by the State Land Board of Oregon, for the assistance of worthy young men and women, "Who are actual bona fide residents of the State of Oregon, and who would otherwise be unable to bear the expense of a college course at the Oregon State Agricultural College." The income from this estate is lent to students at a low rate of interest. Applicants for loans must be recommended to the State Land Board by the President of the College and the State Superintendent of Public Instruction. Application is made through the Student Loan Committee.

The Harmon Foundation. This corporation of New York City, founded for the sake of assisting worthy self-supporting students in the last two years of their collegiate courses, assigned three thousand dollars (\$3,000) per annum to Oregon State Agricultural College. This money is lent under conditions peculiar to this Foundation, perfectly protecting the principal yet requiring no security from the student. Loans made under this fund must be repaid by regular payments begun not later than twelve months after graduation or the leaving of school.

The Simon Benson Fund. Mr. Simon Benson of Portland has placed the sum of two thousand dollars (\$2,000) on deposit with the Loan Committee for the assistance of needy and worthy students. This fund is administered in the same manner employed with the other moneys of the regular Student Loan Fund.

The Arthur Palmer Tift Memorial Loan Fund. By the will of the late Mrs. Joan C. Palmer Tift, practically her entire estate is left as a permanent loan fund for deserving young men needing financial assistance while attending Oregon State Agricultural College. This fund is left as a memorial to her son Arthur Palmer Tift, Portland attorney, who died on January 14, 1919. The fund is irreducible and all interest accruing therefrom is added to the fund.

The Oregon State Pharmaceutical Association Educational Fund, established by the Oregon State Pharmaceutical Association at its thirty-sixth convention held at Corvallis in July 1925, is a fund to be used primarily in making loans to needy and deserving students of Oregon State School of Pharmacy. It may be used also, at the discretion of the trustees of the corporation, for endowing a pharmaceutical library or a chair of research or instruction in the School. The O. S. P. A. Educational Fund is maintained through subscriptions from Oregon druggists and other sources. On an average, subscriptions are for \$100 each, payable in ten annual installments. John F. Allen, '95, of Corvallis, who initiated the establishment of the fund, subscribed \$1,000. Granting of loans, rate of interest, and other features are on the same basis as that of the Loan Fund Committee for the other loan funds donated to the College.

The Joseph N. Teal Loan Fund. By bequest the late Joseph N. Teal of Portland gave to the College the sum of five thousand dollars (\$5,000) "to be administered as a perpetual revolving fund to be loaned . . . to worthy students pursuing courses of instruction in said College."

A. W. S. Emergency Loan Fund for Women Students. The Associated Women students set aside a sum of money which is available to women students who are in need of small amounts of money for short periods of time. This fund is under the auspices and administration of the Dean of Women.

AVAILABLE AT EUGENE

Through the generosity of Mr. William M. Ladd, of Portland, Mr. A. S. Roberts of The Dalles, and the class of 1904, the University Loan Fund was founded. Although for a number of years the total amount of the fund reached only a little over \$500, yet its benefits were large, and through it many students were enabled to complete their college course who otherwise could not have done so. In 1909 Senator R. A. Booth of Eugene became interested and through his efforts a number of others, among whom were Mr. Theodore B. Wilcox and Mr. J. C. Ainsworth of Portland, Mr. John Kelly of Eugene, Mr. W. B. Ayer of Portland, classes of 1911 and 1913, the estate of the late D. P. Thompson of Portland, Mrs. Ellen Condon McCornack, and Mr. Ben Selling of Portland, made substantial donations.

The University of Oregon now has the following loan funds, the money of which is constantly in circulation. All loan funds are under the supervision of the Dean of Men and the University Comptroller.

The General Loan Fund, established by Mr. William M. Ladd of Portland, Mr. A. S. Roberts of The Dalles, the Class of 1904, Mr. Theodore B. Wilcox of Portland, Mr. W. B. Ayer of Portland, the Class of 1913, Professor Max Handman of the University of Texas, and other donors.

The Oscar Brun Fund, bequeathed to the University by the late Oscar Brun.

The Ainsworth Loan Fund, \$1,000, established by Mr. J. C. Ainsworth of Portland.

The Booth Loan Fund, of \$1,500, established by Senator R. A. Booth of Eugene.

The Class of 1896 Loan Fund, established in 1921 at the 25th reunion of the class.

The Class of 1911 Loan Fund, established by the Class of 1911.

The Class of 1922 Loan Fund, established by the senior class of that year.

The Class of 1924 Loan Fund, established by the Class of 1924.

The Fannie Frank Scholarship Loan Fund of \$1,250, bequeathed by the late Mrs. Fannie Frank for the purpose of educating graduate nurses taking the Public Health Nursing curriculum in the University.

The Condon Loan Fund, established by Mrs. Ellen Condon McCornack, in memory of her father, the late Dr. Thomas Condon, for many years professor of geology in the University.

The Fortnightly Loan Fund, established by the Fortnightly Club, one of the pioneer women's clubs of Eugene.

The Kelly Loan Fund, established by Mr. John F. Kelly of Eugene.

The Roberts Loan Fund, established by Mr. A. S. Roberts of The Dalles.

The Selling Loan Fund, established by Mr. Ben Selling of Portland.

The D. P. Thompson Loan Fund, of \$1,000, established by the estate of the late D. P. Thompson of Portland.

The Women's League Loan Fund, of \$500, established in 1924 by the Women's League of the University, available for freshman women.

The Alice W. Wrisley and Adelaide Wrisley Church Endowment, of \$10,000, given to the University by Alice W. Wrisley and Adelaide Wrisley Church.

Women's Club Loan Fund. The women of the University are eligible also to receive aid from the scholarship loan fund of the State Federation of Womens' Clubs, and the scholarship loan fund of the Eugene branch of the American Association of University Women.

The Associated Women Students' Emergency Loan Fund is for the use of University students in amounts of \$30 or less for short periods of time.

The Class of 1931 Emergency Loan Fund is a contribution of \$150 from the members of the Class of 1931, and is for the use of worthy and deserving students in amounts not to exceed \$35. The time limit per loan is one month.

The Class of 1932 Emergency Loan Fund is a contribution of approximately \$415 from the members of the Class of 1932 and is for the use of needy and deserving students.

The Miscellaneous Emergency Loan Fund is a collection of small donations to the University of Oregon for which no specific purpose was designated for the use of the money.

The Panhellenic Emergency Loan Fund is a contribution of \$120 from the members of the Panhellenic Association, and is for the use of any sophomore, junior, or senior woman in amounts not to exceed \$30. The time limit is sixty days per individual loan.

The Ben Selling Emergency Loan Fund. Through the courtesy of Mr. Selling of Portland, the University has available a revolving fund of \$500, from which small loans, not exceeding \$25 in amount, are made in cases of emergency or urgent need. Additional signatures as security are not required for this fund. Being an emergency loan, it is made for a period no longer than one month.

Administration of Loan Funds. The loan funds held in trust by the University of Oregon are governed by uniform principles and policies. The outstanding points in the consideration of loan applications are:

(1) *Preference to Upperclassmen.* As a general rule, loans are not made to members of the freshman class, except in case of surplus funds, or where the circumstances of the loans are such as to overcome the common objections to freshmen borrowing. It is believed that a student should avoid going in debt during his first year. Borrowing so early in the college career frequently is the foundation for a very large indebtedness before a student has graduated. Loans of limited amounts are made to worthy sophomores. Generally the maximum lent to any sophomore is from \$100 to \$150. Juniors and seniors have demonstrated their ability to do college work successfully, have indicated qualities of perseverance and resourcefulness from which their later success can be rather accurately predicted, and being within a year or two of graduation, their accumulated indebtedness is not likely to be a burden too heavy for them to carry.

(2) *Amount of Loans.* Rarely is more than \$300 loaned to any individual student. This is considered the maximum amount available from the University Loan Funds to a single borrower.

(3) *Period of Loans.* It is the policy of the University to encourage repayment of loans as soon as the borrower is able to pay in full, or to make partial payments prior to due date of the note. The maximum time is two years. It is necessary that funds limited be kept active, enabling a greater number of students to be accommodated.

(4) *Security.* The University has not the machinery to accept various forms of collateral which most money lenders require for security of loans. The only security accepted is the signature of two responsible citizens in addition to that of the student borrower, as sureties on his obligation. It is desirable to have one such citizen the parent or guardian of the borrower.

(5) *Interest Rate.* Interest on all University loans is charged at the rate of six percent, payable annually. The Crawford Fund Loans bear interest at the rate of five percent, payable annually.

(6) *Personal Qualities.* In considering the applications, the following personal qualities of the student weigh heavily in the minds of the committee: (a) scholastic record; (b) reputation for reliability, honesty, and industry; (c) need for aid, and the probability of wise expenditure; (d) amount of present indebtedness; (e) ability to repay; (f) effort which the student has made to assist himself.

(7) Application blanks are procurable at the office of the Dean of Men, through whom applications must be made to the University Loan Committee. Women applicants should first consult with the Dean of Women, and receive her approval of the loan before making formal application at the Dean of Men's office.

(8) The Loan Committee, consisting of the President of the University, the Comptroller, and the Director of Loans, finally approves all loans.

AVAILABLE AT LA GRANDE

American Legion Fund. A loan fund which now includes \$1,000, and which will be increased from year to year, has been established for the benefit of students in the Eastern Oregon Normal School by La Grande Post No. 43, American Legion. This fund is administered by a committee of Legion members cooperating with the President of the Normal School. Loans in amounts not to exceed \$150 are made to worthy second-year students.

AVAILABLE AT MONMOUTH

The Loan Funds established for the use of students of the Normal School have benefited many earnest and capable students who could not have completed their teacher training without this source of financial aid. Although the funds are being gradually increased by the generous thought and effort of each class at graduation and of individual friends, yet the

requests for loans have never been fully met. The money is kept in constant circulation under the direction of the President and the Dean of the School.

Ackerman Memorial Loan Fund. This fund, named in memory of the late J. H. Ackerman, former President of the Normal School, has been built up through the contributions of graduating classes, individual contributions from members of the Alumni Association, and from the faculty.

Rachel Phillips Loan Fund. The Oregon Normal School was made beneficiary to one third of the estate of Mrs. Rachel Phillips of Oregon City. The amount of the bequest was made available for use as a student loan fund by the Board of Regents.

Ben Selling Loan Fund. Mr. Ben Selling of Portland has given most generous assistance to many worthy students through this fund.

J. S. Landers Loan Fund. This is an emergency fund to meet immediate needs of students. Loans may not exceed fifteen dollars and are for a short time only.

Individual Loans. Miss Alma Bowman, Miss Kate Ronde, and others interested in aiding students have supplied funds through the office of the Dean.

Red Cross Loan Fund. Loans are made to students for remedial purposes through the Health Department.

Honors and Prizes

In addition to the various honor societies listed elsewhere in this catalog which have as a primary purpose the recognition of superior scholarship and other qualities, honors and prizes have been provided on the several campuses to be awarded to students of unusual achievement.

AT CORVALLIS

Senior Honors are conferred by the Administrative Council upon those members of the graduating class who have maintained throughout their entire college course the highest scholastic standing in their school or department. No student is eligible to such honor unless his general average for all subjects has been 2.25 or higher. Election is limited to ten percent of the graduating members of a school or department.

The **Clara H. Waldo Prizes**, totaling one hundred and forty dollars annually, are awarded each spring in the proportions of fifty, forty, thirty, and twenty dollars respectively to the woman of highest standing registered as a regular student in the senior, junior, sophomore, and freshman year. The committee having charge of the award of these prizes is guided by the following points: (a) proficiency in scholarship, (b) success in student activities, (c) qualities of womanhood, and (d) qualities of leadership.

The Benton County State Bank Prizes, totaling one hundred and forty dollars annually, are awarded each spring in the proportions of fifty, forty, thirty, and twenty dollars respectively to the man of highest standing registered as a regular student in the senior, junior, sophomore, and freshman year. The committee having charge of the award of these prizes is guided by the following points: (a) proficiency in scholarship, (b) success in student activities, (c) qualities of manhood, and (d) qualities of leadership.

The Adolphe Wolfe Prizes, totaling two hundred dollars annually, were established in 1927 with the object of recognizing students showing superior business ability. Two prizes of fifty dollars each, two of thirty dollars, and two of twenty dollars are provided for the man and the woman respectively in the senior, junior, and sophomore classes, who in the opinion of the faculty committee on honors and awards gives the greatest promise of applying business principles to the advancement of industrial and social institutions. In awarding the prizes, character and scholarship as well as qualities of leadership are considered.

The Joseph H. Albert Prize of twenty-five dollars is an award annually made to the senior student who is adjudged by a joint committee of faculty and students to have made the greatest progress toward the ideal in character, service, and wholesome influence.

The Chi Omega Prize. Eta Alpha of Chi Omega offers an annual award of twenty-five dollars to the senior woman who is adjudged by a college committee on honors and awards to approach most nearly an ideal of intellect and spirituality and to have exerted the most wholesome influence upon her associates.

The Mountain States Power Company Prize. This prize, offered by the Mountain States Power Company, is a silver loving cup presented to the senior man who during his entire college career has maintained a high standard of scholarship and manhood and has excelled in athletics.

The E. D. Ressler Memorial. This award, given by the Oregon State Teachers Association is presented to the junior preparing to enter the teaching profession who in the judgment of the Education faculty, as approved by the committee on honors and awards, has made the best all-around record as an undergraduate.

The Alpha Zeta Scholarship Cup is awarded during the first term of the sophomore year to the student in Agriculture receiving the highest grade average in the freshman class.

Alpha Kappa Psi Award. The Alpha Kappa Psi scholarship medallion is awarded annually to the man enrolled in Commerce who has had the highest grades at the end of his junior year.

The Kappa Delta Pi Award of twenty-five dollars is made annually to the sophomore enrolled in the School of Education who as a freshman in that school made the highest scholastic average.

The American Society of Civil Engineers Prizes comprise junior memberships in the society awarded annually for the three best papers prepared and delivered in the student branch of the society.

The American Society of Mechanical Engineers Prizes comprise awards of twenty-five, fifteen, and ten dollars respectively awarded an-

nually for the three best papers prepared and delivered in the student branch of the society.

Eta Kappa Nu Cup. This cup is awarded annually to the best student in the sophomore Electrical Engineering class.

The Charles Lathrop Pack Forestry Prize. Through the generosity of Mr. Charles Lathrop Pack of New Jersey, a gift of two thousand dollars has been made to the College to encourage Forestry students to write for publication. The income from the gift is awarded each year to the junior or senior student in Forestry who produces the most interesting, logical, and technically significant paper for publication.

The Omicron Nu Plaque is awarded each year to the senior woman who has best lived the teachings of home economics throughout her college career. Candidates are first selected by a committee of the Home Economics faculty and their names then submitted to vote of the Home Economics Club, final decision resting with the committee.

The Home Economics Prize of a ten-dollar gold-piece was established (1928) by members of Omicron Nu for the purpose of promoting scholarship and leadership in home economics, the recipient being selected by a joint committee representing Omicron Nu and the faculty in Home Economics.

The Drucilla Shepard Smith Prizes. Through the generosity of John E. Smith of the Class of 1902 a sum of five hundred dollars has been contributed as a memorial to his mother, the late Drucilla Shepard Smith (Mrs. F. S. Smith) formerly of McCoy, Polk county, Oregon. The income from this gift is awarded annually to the graduate or undergraduate student who during the year has had published the best article or series of articles dealing with practical solutions of problems that confront women in rural homes. These problems may be concerned with club work, education, finance, family government, health and sanitation, marketing, psychology, recreation, social affairs or any other subject in which difficulties arise for the rural homemaker. The judges determining the award of these prizes are appointed by the President of the College.

The Rho Chi Prize of ten dollars is awarded annually to the freshman in Pharmacy who in the judgment of the Rho Chi society and the faculty in Pharmacy has been most outstanding in scholarship and activities.

AT EUGENE

Degrees with Honors. Students who fulfill the requirements for honors work as described elsewhere in this catalog may receive the degree of Bachelor of Arts with Honors or Bachelor of Science with Honors.

Albert Cup. This cup, presented by Mr. Joseph H. Albert of Salem, is awarded each year, by vote of the senior class, to that member of the class who has made the greatest progress toward the ideal in character, service, and wholesome influence.

Alpha Kappa Psi Award. The Alpha Kappa Psi scholarship medallion is awarded annually to the man in the School of Business Administration who has the highest grades at the end of the junior year.

Bancroft-Whitney Prize. The Bancroft-Whitney Company, law publishers, annually awards a law publication to the senior student in the School of Law who has maintained the highest grade average throughout his law course.

Beta Gamma Sigma Award. To honor outstanding scholastic attainment, the name of the freshman major student in the School of Business Administration receiving the highest average for the year, is engraved on a permanent record plate placed in the corridor of the Commerce Building by Beta Gamma Sigma, honorary commerce fraternity.

Botsford-Constantine Prizes. These prizes are awarded each year by the Botsford-Constantine Advertising Agency for the best solutions of an advertising problem submitted by students of advertising. First place, twenty dollars; second place, fifteen dollars; third place, honorable mention.

Chi Omega Prize. A prize of twenty-five dollars is awarded by Chi Omega sorority to the woman in the department of sociology deemed most worthy on the basis of scholarship, character, and promise.

Chi Omega Scholarship Cup. This is an annual award to the sorority with the highest grade average during the preceding academic year.

Congress Club Prizes. Six prizes, totaling thirty dollars, the gift of Mr. Burt Brown Barker, are awarded annually to the winners of a contest conducted by the Congress Public Speaking Club.

Edison Marshall Prize. A prize of fifty dollars for the best short story is given each year by Edison Marshall, '17. Contestants are limited to undergraduates regularly enrolled and in good standing.

Failing-Beekman Prizes. These two prizes of one hundred and fifty dollars and one hundred dollars are the gifts of the Hon. Henry Failing of Portland and the Hon. C. C. Beekman of Jacksonville, respectively, and are awarded annually to those members of the senior class who pronounce the best and second best original oration at the time of graduation.

French Government Prizes. These prizes, awarded annually by the French Government, consist of a Gold Medal to the student ranking highest in advanced undergraduate courses in French, and a Silver Medal to the student ranking highest in French Literature.

Freshman Reading Prizes. These prizes are awarded by the University Library and the University Book Store to the three students submitting the best essays on unassigned reading done during their freshman year. First prize, books to the value of thirty dollars; second prize, books to the value of twenty dollars; third prize, books to the value of ten dollars.

Gerlinger Cup. This cup, presented by Mrs. George Gerlinger, one-time regent of the University, is awarded by a committee of faculty, town, and student women to the best all-around woman of the junior class.

Ham-Jackson Prizes. These prizes are awarded each year by the Ham-Jackson Company to students in the department of advertising for the best solution of a problem involving the use of direct mail. First prize, twenty-five dollars; second prize, fifteen dollars; third prize, ten dollars; fourth prize, five dollars.

The Henry Hayek Prizes, totaling fifty dollars, are awarded in the School of Business Administration for the best solutions of an advertising problem in which lay-out and typography are emphasized.

Hilton Prizes. These prizes are given to the students who present the best oral discussions of a legal subject selected by the faculty of the School of Law. The first prize of fifty dollars is awarded by Mr. Frank H. Hilton of Portland, and the second and third prizes of twenty-five and fifteen dollars, respectively, are awarded by the School of Law.

Jewett Prizes. These prizes are awarded annually from a sum of money given in memory of the late W. F. Jewett to students who excel in public speaking. Advanced contest for men: first prize, twenty-five dollars; second prize, fifteen dollars. Advanced contest for women: first prize, twenty-five dollars; second prize, fifteen dollars. Contest for underclass men: first prize, twenty-five dollars; second prize, fifteen dollars. Contest for underclass women: first prize, twenty-five dollars; second prize, fifteen dollars.

Koyl Cup. This cup, presented by Mr. Charles W. Koyl, '11, is awarded each year to that man of the junior class who in the opinion of a committee of the faculty is deemed the best all-around man.

Life Insurance Prizes. The Life Insurance Managers' Association of Oregon offers an individual plaque for the best insurance sales talk given by a student in the life insurance class. The name of the winner is also engraved on a bronze plaque which is the property of the School of Business Administration.

McMorran and Washburne Prizes. These prizes are awarded annually for the production of the best department store advertisements. First prize, fifteen dollars; second prize, ten dollars; third prize, honorable mention.

Phi Beta Kappa Prize. This prize, consisting of books to the value of twenty-five dollars, is offered by Oregon Alpha chapter of Phi Beta Kappa. It is awarded annually to the student completing lower division work with the most worthy scholarship, personality, and promise.

Phi Chi Theta Key. The Phi Chi Theta Key is awarded annually on the basis of high scholastic standing and general student activities to a woman in the senior class of the School of Business Administration.

Philo Sherman Bennett Prize. This prize of thirty dollars, the interest on a bequest from Mr. Philo Sherman Bennett of New Haven, Connecticut, is awarded annually for the best essay on the principles of free government.

Sigma Nu Scholarship Plaque. This is an annual award to the fraternity with the highest grade average during the preceding academic year.

Sigma Xi Graduate Research Prize. A prize, the amount of which is determined each year by the board of electors, is awarded by the Oregon chapter of Sigma Xi to a member of this organization for the most outstanding graduate research. This year the prize amounts to twenty-five dollars.

Spalding Cup. This prize is a silver cup awarded annually by A. G. Spalding & Bros. to the member of the Order of the O making the highest grade average.

Vice-presidential Cups. Two silver cups, the gift of Vice-president Burt Brown Barker, are awarded annually, one each to the women's and the men's organizations achieving the highest average for scholarship among their respective groups during the academic year. These cups are awarded to the organizations to be retained until the Junior Week-end in the following year.

Warner Prizes. These prizes are given by Mrs. Murray Warner for essays on the promotion of friendly relations between the United States and the Orient. Students from the United States: first prize, trip to the Orient at an estimated cost of five hundred dollars; second prize, fifty dollars. Students from the Philippines and foreign countries; first prize, one hundred dollars; second prize, fifty dollars.

Graduate Scholarships. Certain scholarships and research fellowships are available to students in business administration in the graduate division of the school. These awards carry stipends varying from \$250 to \$1800 per year. They are granted to students in recognition of exceptional ability and scholastic achievement.

AT MONMOUTH

The Lamron Cup is a trophy awarded for outstanding service on the student newspaper, The Lamron.

The President's Cup is awarded each year to the outstanding member of the football team, selected on the basis of playing ability, cooperation, and scholarship.

The Julia McCulloch Smith Award is given each year to the outstanding senior woman.

AT PORTLAND

Henry Waldo Coe Prize. This prize is awarded annually to a second-, third-, or fourth-year student in the School of Medicine who shall have presented an essay on a medical subject exhibiting superiority and originality in composition. The amount is represented by the interest on a gift of \$1,000 from the late Dr. Henry Waldo Coe.

Surgical Essay Prize. A surgical essay prize is given each year to the fourth-year student writing the best essay on a surgical subject. The presentation is made by Dr. J. Earl Else, Clinical Professor of Surgery.

Scholarships

A NUMBER of scholarships and fellowships have been established largely through the generosity of private donors, providing funds in varying amounts for the encouragement of students showing special promise. Some of these are general scholarships, while others are limited to special fields.

APPLICABLE ON ALL CAMPUSES

Bernard Daly Educational Fund. Under terms of the will of the late Dr. Bernard Daly of Lakeview, Oregon, worthy self-supporting young men and women of Lake county, Oregon, may receive a part or all of their necessary college expenses. The terms of the will provide that the income from this fund be used to pay the college expenses of at least fifteen students each year. The fund is administered by a board of trustees who select candidates annually from a list of applicants recommended by the county judge and county school superintendent.

APPLICABLE AT CORVALLIS AND EUGENE

The American Association of University Women Graduate Scholarship. Every three years beginning 1931 the Oregon Division of the American Association of University Women gives a scholarship of twelve hundred dollars to a woman who is a resident of Oregon, and who holds at least a bachelor's degree, for advanced study at any American or foreign university.

Oregon State Society of Certified Public Accountants Scholarship. For the purpose of stimulating the students in Commerce to achieve the utmost in the study of accounting, the Oregon State Society of Certified Public Accountants offers an annual scholarship, consisting of books on accounting to the value of twenty-five dollars.

APPLICABLE AT CORVALLIS

The College Folk Club Scholarship is an award of fifty dollars made annually to an outstanding woman, a high school graduate, selected by the scholarship committee of the College Folk Club.

Fleischmann Fellowship. A grant of nine hundred dollars for the year for chemical research on yeast is given by Standard Brands, Inc., of New York, successor to the Fleischmann Company. Seven hundred and fifty dollars of this amount is the stipend of the Fleischmann Fellowship. It is awarded and the research carried on under the direction of Dr. Roger J. Williams of the Chemistry department.

International Friendship Scholarship. The Home Economics Club of the College on March 2, 1926, established a scholarship of five hundred dollars which is awarded annually to a graduate foreign student to study Home Economics at Oregon State Agricultural College. The recipient of the scholarship is selected by a committee composed of the executive council of the Home Economics Club, the Dean of the School of Home Economics, and a representative of Omicron Nu.

Kingery Dermatological Research Fellowship in Chemistry. A research fellowship is awarded for the study of chemical means of combating pathogenic yeast infections. The stipend of six hundred dollars is given by Dr. Lyle B. Kingery of Portland, and the work is to be directed by Dr. Roger J. Williams.

The Lee Scholarship is awarded at Commencement time each year to the woman student in Home Economics registered as a junior, who during her career in college has shown improvement in her work, stability and meritorious record in all her activities, and general all-around worthiness. This scholarship provides a sum of money derived from the annual income of a fund of one thousand dollars bequeathed by Minnie E. Lee as a memorial to her husband J. B. Lee and herself, to be paid to the recipient at the time of her registration in the senior year. The award is not open to any student who has received any other monetary prize.

The Mary J. L. McDonald Fellowship in Reforestation. Through the generosity of Mrs. Mary J. L. McDonald of San Francisco, a fellowship has been established giving opportunity to do advanced study in problems of reforestation. The fellowship is awarded each year by a committee of the faculty of the Oregon State School of Forestry to a graduate of a recognized school of Forestry on the basis of proficiency in forestry studies, personality, and demonstrated ability to do independent work.

Research and Teaching Fellowships. A number of fellowships are open annually or biennially to graduate students. Most of these afford opportunity to combine teaching or research with study for an advanced degree.

APPLICABLE AT EUGENE

Advertising Club of Portland Scholarship. This scholarship of one hundred and fifty dollars is awarded annually to the man or men in the department of advertising considered best qualified to profit by the training offered for entrance into the field of advertising.

American Bankers' Association Loan Scholarship. The American Bankers' Association annually awards a loan scholarship of two hundred and fifty dollars to a student of banking and business who is outstanding in scholarship and who is partly or wholly self-supporting.

Ion Lewis Traveling Fellowship. This fellowship, awarded annually to a University of Oregon advanced student matriculating in architecture, amounts to approximately \$1,200 and is the gift of Ion Lewis of Portland.

This trust fund is handled by a Managing Committee and award is made on the basis of character, health, ability, promise, and need of travel.

Mary Spiller Scholarship. The Mary Spiller scholarship was established by the alumnae of the University in honor of Mrs. Mary Spiller, the first woman member of the faculty. An endowment fund for this scholarship is being raised by the alumnae of the University. Information concerning it may be obtained from Mrs. Lawrence T. Harris, in care of Harris, Smith and Bryson, Eugene, Oregon.

Phi Beta Scholarships. These scholarships are awarded by Phi Beta, women's national professional fraternity of music and drama, to women students in the School of Music on the basis of talent, scholarship, and worthiness.

Summer Scholarships in Advertising. These scholarships, awarded to qualified students in the department of advertising, consist of employment during the summer on the advertising staff of Foster and Kleiser and Meier and Frank.

The Emporium Opportunity Award. This award consists of an appointment to a position in the advertising department of The Emporium (San Francisco) for one year, given to the student of advertising who has shown himself best qualified for the opportunity.

University Orchestra Cash Scholarship. This scholarship of one hundred dollars is awarded annually from funds raised by concerts to the person considered of greatest value and most advanced musically by the A. S. U. O. Orchestra.

APPLICABLE AT PORTLAND

Noble Wiley Jones Pathology Research Fellowship. This scholarship consisting of the interest on \$5,000 held in trust, is the gift of Dr. Noble Wiley Jones of Portland and is awarded annually to a medical student on the basis of scholastic ability, training in pathology and interest in work.

Campus Activities

IMPORTANT in rounding out the benefits of college training is the formation of civic habits of responsibility and leadership through student clubs, associations, and societies. The activities of these organizations involve the practice of citizenship in the campus community, the development of friendship through congenial associations, and the broadening of outlook and sympathies. As a result of the diverse interests of campus life and the varying tastes of the students, the following activities and organizations, besides many others, are maintained by students and faculty at the several institutions.

Student Self-Government

STUDENT self-government places the responsibility of student life, conduct, habits, development, and experience with the entire student body as a group. The students on the various campuses, in accepting the institution of self-government, have perfected organizations known as the Associated Students or the Student Body Association. Student officers are chosen by general election. The plan of organization and administration of student activities varies according to the size and diversity of the student body on the several campuses.

The activities of the Associated Students cover a wide range: the operation of intercollegiate athletics, student publications, forensics and dramatics, musical organizations, professional and technical organizations, honor societies, and class and social activities generally. Within the general student body organizations the Associated Women Students or Women's League on each campus is responsible for all activities sponsored or participated in by women.

The Classes

AT all the institutions class organizations are maintained, each entering group of students forming an organization that retains its identity throughout the two years at the Normal Schools or four years at the University and the State College and after graduation. Class reunions are regularly held by alumni at Homecoming and Commencement.

During their undergraduate days students in the different classes uphold various distinctive traditions. Graduating classes usually leave a class gift to their Alma Mater. Classes returning for their silver anniversary or jubilee also may make gifts as an expression of their loyalty and appreciation toward the institution at which they received their undergraduate education.

Alumni Associations

THE graduates of all the institutions maintain permanent alumni organizations. These associations maintain contact between each institution and its graduates and among the graduates themselves. The institution is interested to continue to serve its graduates in their various fields of endeavor, and they in turn are usually alert to opportunities to upbuild the work of their Alma Mater.

At Ashland. The Alumni Association, including all the graduates of the former Ashland Normal School as well as of the present Southern Oregon Normal School, has for its purpose the furthering of the interests of the institution and of public education and the strengthening and continuing of student and faculty associations. An annual meeting is held on Alumni Day at Commencement. During the December meeting of the Oregon State Teachers' Association, alumni present in Portland meet at a luncheon. There are no alumni dues. The officers are nominated by a committee and elected at the annual meeting of the association held during Commencement.

At Corvallis. The Oregon State Alumni Association is fostered by the graduates and former students of the College, including 7,620 graduates and approximately 16,000 former students. Alumni of the College live and work in all parts of the world. A magazine, *THE OREGON STATE MONTHLY*, published regularly throughout the year, provides the chief means of keeping members, and the public in general, informed concerning happenings and the progress of the College and its alumni.

The Alumni Association is governed by a board of five directors, one of whom is elected each year at the annual business meeting held at Commencement time. The Association was a powerful factor in the building of the Memorial Union on the campus and maintains its permanent secretary and office staff in Room 111, Memorial Union, where complete files are kept of all graduates of the College.

At Eugene. Membership in the Alumni Association is open to all persons who have completed work for credit in the University. Semi-annual meetings are held at Homecoming and Commencement. Additional meetings of the alumni executive committee (composed of the four officers and a representative of the board of alumni delegates) can be called by the president at any other time if necessary. Alumni dues, including subscription to Alumni issues of *OREGON DAILY EMERALD*, are \$2.00 a year.

The officers of the Association are nominated by the board of delegates to the alumni convention held at Homecoming. Nominations may also be made at the general alumni meeting. They are then elected by mail ballot sent to all the alumni.

At La Grande. Although the Eastern Oregon Normal School has been in existence but three years, it already has an active Alumni Association which is devoted to the furtherance of the interests of the institution and of public education and to strengthening and continuing student and faculty associations. The annual meeting occurs during Commencement week.

Alumni luncheons are held during the annual convention of the Oregon State Teachers Association and at county institutes.

At Monmouth. One of the assets of the Oregon Normal School is its loyal and active Alumni Association. The School endeavors to keep a record of its graduates, with the purpose of rendering a continuing service to them wherever possible. Members of the alumni, on their part, desire to be constantly informed as to the nature of the work and the aims and needs of the Normal School.

The regular annual program, consisting of the alumni address, the banquet, the reception of the newly graduated class, and the business meeting, is a feature of Commencement week.

At Portland. The Medical School Alumni Association includes the graduates of the Medical School and those of the Willamette University Medical School, which was merged with the University of Oregon Medical School in 1913. A strong organization has been built up, devoted to the interests of students and graduates and the encouragement of scientific and professional progress among its members and the medical profession generally. With the faculty of the Medical School, the Association is cooperating to build up in Portland a great medical center.

Miscellaneous Organizations

○N the following pages are listed various classifications student organizations in the various institutions. A large number of miscellaneous organizations exist on the several campuses. In many cases the same or equivalent organizations are maintained at several institutions. For example, at most of the institutions those students holding Bernard Daly scholarships are organized into the Bernard Daly Club, Masonic students are organized into a Masonic Club, Eastern Star members in Tenenids, and those affiliated with certain religious denominations in organizations such as the Newman Club, Westminster Association, and Wesley Association.

The Young Men's Christian Association maintains a student organization on most of the campuses. Its object is to give encouragement and effective expression to the highest Christian idealism, to render helpful service to promote social and religious activities on the campus and to develop interest in world problems. The organization cooperates with many institutional student welfare agencies and with the churches. In carrying out programs of religious education, outstanding leaders representing different religious and racial points of view are brought to the campuses. Friendly international and interracial relations are fostered. Many personal and group conferences are held. The "Y" headquarters constitutes a recreational and social center for men students.

The Young Women's Christian Association maintains an organization on most of the campuses providing women students with opportunities for religious education, social activity, friendship, study and entertainment. The Association cooperates with other student welfare agencies on

the campus and with the local churches. Open forums, discussion groups, services of worship, personal conferences, and social gatherings are held.

The Cosmopolitan Club, at both Eugene and Corvallis a local chapter of the Association of Cosmopolitan Clubs of the World, includes in its membership representatives of all foreign countries represented on the campus together with many Americans interested in world relations. The organization provides social and educational advantages for its members and seeks to promote international friendship.

Certain miscellaneous organizations distinctive of some of the campuses will be briefly mentioned.

At Ashland. The Science Club meets weekly for discussions and field trips. Cacoethes Scribendi is a small group of students interested in creative writing. The Art Club includes students interested in art.

At Corvallis. A number of clubs and associations in the various technical schools and departments have as their object the advancement of interest and information in the respective technical fields. Some of these are student or local branches of national professional societies. Further details concerning some of these clubs are given under the respective schools. Among the technical and professional clubs are the following: Advertising Club, Agriculture Club, Agricultural Engineers, American Institute of Electrical Engineers, American Society of Civil Engineers, American Society of Mechanical Engineers, American Society of Military Engineers, Associated Engineers, Chamber of Commerce, Charles Eliot Club (Landscape Architecture), Chemical Engineers, Dairy Club, Farm Crops Club, Forestry Club, 4-H Club, Home Economics Club, Horticultural Club, Industrial Arts Club, Miners' Club, Pharmaceutical Association, Soils Club, Withycombe Club (Animal Husbandry).

The American Association of University Women maintains a Corvallis branch. The Oregon State Dames, a social organization for wives and mothers of students, is affiliated with the national organization of University Dames. The College Folk Club includes women connected with the staff directly or through immediate family connection. The Faculty Men's Club, the Biology Club, the Sigma Xi and Phi Beta Kappa associations are primarily faculty organizations.

At Eugene. The International Club Association maintains in "International House" living quarters for a group of students of mixed races and aims to foster good-will among the nations through fellowship among representative students.

Other organizations include the Allied Arts League, Architecture Club, Asklepiads, Condon Club, Craftsmen's Club, Congress Club, Crossroads, Pot and Quill, Dial, Tonqueds, and Varsity Philippinesis.

The American Association of University Women maintains a Eugene branch. The Men's Faculty Club has its headquarters in the Faculty Club Building. The Faculty Women's Club is composed of women members of the faculty and staff and wives of faculty members. Oregon Dads includes fathers of University students. Oregon Mothers includes mothers of University students.

At La Grande. The Men's Club fosters friendly relations among men students.

At Monmouth. Nu Epsilon Lambda is a men's club promoting good fellowship among men students and faculty men. The Country Life Club, a member of the National Country Life Association, has as its purpose the development of understanding of the conditions and problems of rural life. Other clubs include the Art Club, Archery Club, Rifle Club, and LaDanza.

Athletic Organizations

CLOSELY related to the instruction in physical education, athletic organizations at the several institutions are maintained both for men and women students. The University and the State College are members of the Pacific Coast Athletic Conference composed of ten leading universities and colleges of the coast. The Normal Schools compete in intercollegiate athletics with the normal schools and colleges of the Pacific Coast. In addition to intercollegiate athletics, a comprehensive program of intramural sports is sponsored at the several institutions. The athletic organizations listed below supplement the organized sports.

AT ASHLAND

The **Hiking Club for Girls** awards letters for hiking to students who have hiked approximately thirty miles in a term.

The **Letter Man's Club** elects to membership those men who have earned their letters in athletics.

AT CORVALLIS

The **Minor "O" Association** includes all men who have been awarded a letter in any of the minor sports.

The **Varsity "O" Association** includes all men who have been awarded a major-sport letter in recognition of service on the intercollegiate athletic team and who have been duly voted upon and initiated into the Association. Annual reunions are held at Homecoming.

The **Women's Athletic Association** sponsors women's athletic contests, working in close harmony with similar associations in other institutions. Members are chosen for achievement in athletics and outstanding character.

AT EUGENE

The **Order of the "O"** is composed of all winners of varsity letters. Annual reunions are held at Homecoming.

The **Women's Athletic Association** provides the student leadership for spontaneous and organized play and recreation for women students. The more proficient in the several sports receive an official W.A.A. sweater award.

Honor Societies. A number of special honor organizations recognize proficiency in various sports. These include the Amphibians (swimming, women), Boots and Spurs (riding, men and women), Polo Club (men).

AT LA GRANDE

The Women's Athletic Association fosters a program of interclass sports for women.

The Lettermen's Club includes men who have earned their letters in athletics, and has for its purpose the perpetuation of the worthy traditions of the institution.

AT MONMOUTH

The Order of the "O" includes all men who have been awarded the official "O" in athletic sports.

The Women's Order of the "O", membership in which is determined by a point system, is pledged to cultivate and uphold high standards of sportsmanship.

The Women's Athletic Association sponsors participation by women students in extra-curricular recreational activities.

Forensic and Dramatic Organizations

FORENSIC and dramatic activities are fostered at all the institutions, not only for the benefits which such activities bring to those participating but also for their intellectual and cultural value to the campus generally. Both the State University and the State College are members of the Pacific Forensic League, composed of the leading colleges and universities of the coast, and of the Intercollegiate Forensic Association of Oregon, composed of ten of the colleges and universities of the state. On both campuses are chapters of the national societies, Delta Sigma Rho and National Collegiate Players.

AT ASHLAND

Alpha Tauri, the dramatic club, sponsors and assists in the production of all plays produced during the year.

AT CORVALLIS

Play Presentation. In connection with the instruction in community drama, groups of short plays are regularly presented. The National Collegiate Players present three major plays each year.

Forensic Division of the Associated Students. This organization brings together for cooperative activity all campus organizations and individuals interested in any phase of forensics.

Intercollegiate Debate and Oratory. From thirty-six to forty Oregon State teams, supporting both the negative and the affirmative of many questions, each year participate in approximately seventy intercollegiate debates. The College participates in the old-line State Oratorical Contest, the state Peace oratorical contests, and the state and Pacific Coast extempore speaking contests.

Local Debate and Oratory. Interclass and interorganization contests are held in debate, oratory, and extempore speaking. Approximately forty teams participate each year, the winners receiving loving cups.

AT EUGENE

Play Presentation. The University Drama Department offers training and pleasure in the rehearsals and presentation of plays.

Intercollegiate Forensics. The Associated Students participate in a full schedule of varsity and freshman debate and oratory for both men and women. From time to time extensive trips are taken. Recent examples of these are the Round-the-World debate tour in 1927-28 and the Pacific Basin tour of 1931-32. The men making these trips were regularly chosen from active participants in varsity forensics.

AT LA GRANDE

The Eastern Oregon Forensic is a debate club sponsoring campus and intercollegiate debates.

Sock and Buskin, the normal school dramatic club, sponsors several plays during the year.

AT MONMOUTH

The Debate Club, open to students who qualify in debate try-outs, is organized for students working on the current interscholastic debate question.

The Crimson "O" Players sponsor campus dramatic productions during the year.

Honor Societies

VARIOUS societies having as their chief purpose the promotion and recognition of scholarship elect annually from among the student body limited numbers of those who have shown superior scholastic attainment, qualities of leadership, and personal character. The fact that most of these societies are national in scope with chapters in the leading colleges and universities and with uniformly high standards of membership makes election to one of the honor societies a distinction greatly prized.

At Ashland.

Sigma Epsilon Pi (Scholarship, women),
Theta Delta Phi (Scholarship, men).

At Corvallis.

Phi Kappa Phi (All-College, men and women).
Alpha Zeta (Agriculture, men).
Cap and Gown (Senior women).
Delta Sigma Rho (Forensics, men and women).
Eta Kappa Nu (Electrical Engineering).
Euterpe (Music, women).
Gamma Sigma Delta (Agriculture).
Kappa Kappa Alpha (Art, men and women).
Kappa Kappa Psi (Band).
Mu Beta Beta (4-H Clubs, men and women).
National Collegiate Players (Dramatics, men and women).
Omicron Nu (Home Economics).
Parthenia (Physical Education, women).
Phi Lambda Upsilon (Chemical Engineering).
Rho Chi (Pharmacy, men and women).
Sigma Alpha (Physical Education, men).
Sigma Tau (Engineering).
Spurs (Sophomore women).
Tau Beta Pi (Engineering).
Theta Sigma Phi (Journalism, women).

At Eugene.

Phi Beta Kappa (Liberal Arts, men and women).
Sigma Xi (Science, men and women).
Alpha Kappa Delta (Sociology, men and women).
Beta Gamma Sigma (Commerce, men).
Delta Sigma Rho (Forensics, men and women).
National Collegiate Players (Dramatics, men and women).
Theta Sigma Phi (Journalism, women).
Mortar Board (Senior women).
Friars (Senior men).
Kwama (Sophomore women).
Skull and Daggers (Underclass men).
Phi Theta Upsilon (Upperclass women).
Thespian (Freshman women).

At La Grande.

Sigma Alpha Chi (Scholarship, women).

At Portland.

Alpha Omega Alpha (Medical, men and women).

Musical Organizations

EFFORT is made on each campus to stress the cultural benefits of music as an extra-curricular activity. Musical organizations are recognized not only as of great value to the students participating but as

essential agencies for developing musical appreciation throughout the respective institutions.

AT ASHLAND

The band of sixteen pieces, the orchestra of fifteen pieces, and the men's and women's Glee Club are conducted under the direction of the Department of Music.

AT CORVALLIS

The College Band. Membership in the 75-piece, uniformed R.O.T.C. Band is open to students passing a satisfactory examination in the elements of music and ability to perform on a band instrument. Individual practice and attendance at rehearsals are required. The Band furnishes basses, baritones, altos and drums; otherwise, members must furnish their own instruments, which must be in low pitch.

The College Orchestra. Students and faculty members who play violin, viola, cello, or double bass as well as wood-wind and brass instruments are eligible to membership in the orchestra on passing an individual test given by the conductor. The orchestra prepares regular programs of orchestral music of a type suitable to the proficiency of the members and also assists in the programs of the College Chorus and at the Commencement exercises.

The Glee Club is a student men's organization, membership in which is determined by the conductor through individual examination of candidates. Programs of male choruses, glees, and compositions of a lighter nature are prepared.

The Madrigal Club is a student women's organization, membership in which is determined by the conductor through individual examinations of candidates. Compositions for women's voices of various types are studied. Concerts are given alone and in conjunction with the Glee Club at various times during the year.

The College Chorus. Besides attending regular rehearsals of the Club to which they belong, the members of the Glee and Madrigal Clubs are required to attend additional rehearsals of the combined Glee and Madrigal Clubs, at which numbers are rehearsed for concerts given at Christmas time, Easter time, and Commencement. Occasionally the two clubs unite in the production of a light opera.

The Mandolin and Guitar Club gives opportunity to students proficient on instruments of this nature to play in ensemble under the instructor in small-stringed instruments. Regular weekly rehearsals are held.

AT EUGENE

The University Symphony Orchestra, maintained always with full symphonic orchestration, offers four years of happy activity and excellent training for its 75 members. Membership is gained by individual examina-

tion by the conductor. Beginner sections are maintained for those not yet ready for membership. The more rare instruments such as the oboe, English horn, French horn, bass viol, "A" clarinet, bassoon, tympani, and drum are owned by the Orchestra and lent to members.

The University Band, which serves as a "pep" and concert organization for the Associated Students and also as a marching group for the R.O.T.C., is in two divisions. Each rehearses and gives concerts separately, but the two are combined into a 75-piece uniformed organization for all marching appearances. Membership in the Band is gained through individual examination. Many instruments are owned by the Band and are lent to members.

Concert Series. Under sponsorship of the Associated Students an annual concert series brings to the campus the better professional artists and musical groups. Admission to students is free.

Polyphonic Choir. Sponsored by the School of Music, the Polyphonic Choir is a singing organization comprising two divisions. The first numbers 32 picked voices. The second has 100 members. The Choir appears at numerous campus functions throughout the year.

AT LA GRANDE

The Orchestra, Men's Glee Club, and Women's Glee Club provide opportunity for student participation in musical activities. Several musical programs are presented during the year, concluding with the impressive Evensong, an outdoor feature held during Commencement week on the grand stairway at the north entrance of the campus.

AT MONMOUTH

The Orchestra affords opportunity for all students who play orchestral instruments to obtain instruction and practice. A limited number of the more unusual instruments can be rented.

The Men's Glee Club gives practice in part singing for men students.

The Women's Glee Club sings compositions of the better class and excerpts from standard cantatas, operas, and oratorios.

The MacDowell Club, a women's choral organization, studies and presents compositions of the better class.

Professional Societies

A NUMBER of departmental and professional societies, most of them national organizations having chapters in colleges and universities throughout the country, are maintained by students for the purpose of fostering high professional standards in scholarship. Election to membership is as a rule on the basis of special fitness or attainment in the respective departmental or professional fields.

At Ashland.

Phi Beta Sigma (Education).

At Corvallis.

Alpha Delta Sigma (Advertising, men).
 Alpha Kappa Psi (Commerce, men).
 Beta Alpha Psi (Accounting).
 Chi Alpha Chi (Advertising).
 Epsilon Pi Tau (Industrial Arts).
 Kappa Delta Pi (Education, men and women).
 Kappa Psi (Pharmacy).
 Phi Chi Theta (Commerce, women).
 Scabbard and Blade (Military).
 Sigma Delta Chi (Journalism, men).
 Sigma Delta Psi (Physical Education, men).
 Xi Sigma Pi (Forestry).

At Eugene.

Alpha Delta Sigma (Advertising, men).
 Alpha Kappa Psi (Commerce, men).
 Beta Alpha Psi (Accounting, men).
 Gamma Alpha Chi (Advertising, women).
 Hermian Club (Physical Education, women).
 Master Dance Group (Physical Education, women).
 Mu Phi Epsilon (Music, women).
 Pan Xenia (Foreign Trade, men).
 Pi Mu Epsilon (Mathematics).
 Phi Beta (Music and Dramatic Art, women).
 Phi Delta Phi (Law, men).
 Phi Chi Theta (Commerce, women).
 Phi Delta Kappa (Education, men).
 Phi Epsilon Kappa (Physical Education, men).
 Phi Mu Alpha (Music, men).
 Pi Delta Phi (French, men and women).
 Pi Lambda Theta (Education, women).
 Pi Sigma (Latin, men and women).
 Pot and Quill (Writing, women).
 Scabbard and Blade (Military).
 Sigma Delta Chi (Journalism, men).
 Sigma Delta Pi (Spanish, men and women).
 Sigma Delta Psi (Physical Education, men).
 Sigma Upsilon (Ye Tabbard Inn), (Writing, men).
 Zeta Kappa Psi (Forensics, women).

At La Grande.

Phi Beta Sigma (Education).

Social Organizations

THROUGH social organizations, particularly through living groups, students enjoy association with fellow students and personal contact with members of the faculty. The contacts thus afforded constitute one of the pleasantest features of campus life. On each campus all students have opportunity to belong to some type of social organization. Students living in halls of residence are organized into groups with their own officers and social programs. Faculty counsel is provided for all such groups.

Independent Students. Students living outside the halls of residence include independent students and those belonging to fraternities or sororities. Independent students are organized for social activities on plans varying somewhat at the different institutions. On the Eugene campus, the honor society, Yeomen, draws its members from non-fraternity men, while Phi Theta Upsilon and Philomelete promote fellowship among independent women students. At Corvallis, independent women are organized in Phrateres, national society for independent women, and independent men maintain a group of clubs. All independent students, including those residing in the dormitories, are represented in the Independent Student Council, which is a member of the Independent Intercollegiate Student Association.

Fraternities and Sororities. Similarly, at Eugene and Corvallis the fraternities are organized into the Interfraternity Council, which is a member of the national Interfraternity Conference. The sororities (women's fraternities) are organized into the Panhellenic Council, which is a member of the national Panhellenic Congress.

All but three of the fraternities and sororities on the two campuses are national organizations. In many cases chapters of the same national fraternity or sorority are maintained at both Eugene and Corvallis.

Fraternities at both Corvallis and Eugene are: Alpha Tau Omega, Beta Theta Pi, Delta Tau Delta, Kappa Sigma, Phi Delta Theta, Phi Gamma Delta, Phi Sigma Kappa, Pi Kappa Alpha, Sigma Alpha Epsilon, Sigma Chi, Sigma Nu, Sigma Phi Epsilon, Theta Chi.

Sororities at both Corvallis and Eugene are: Alpha Chi Omega, Alpha Delta Pi, Alpha Gamma Delta, Alpha Omicron Pi, Alpha Xi Delta, Beta Phi Alpha, Chi Omega, Delta Delta Delta, Delta Zeta, Gamma Phi Beta, Kappa Alpha Theta, Kappa Delta, Kappa Kappa Gamma, Pi Beta Phi, Sigma Kappa, Zeta Tau Alpha.

Fraternities at Corvallis only are: Acacia, Alpha Chi Rho, Alpha Gamma Rho, Alpha Sigma Phi, Beta Kappa, Chi Phi, Delta Chi, Delta Sigma Phi, Delta Upsilon, Kappa Delta Rho, Lambda Chi Alpha, Phi Kappa Tau, Phi Mu Delta, Pi Kappa Phi, Sigma Phi Sigma, Sigma Pi, Tau Kappa Epsilon, Theta Kappa Nu, Theta Xi.

Fraternities at Eugene only are: Alpha Upsilon (local), Chi Psi, Phi Kappa Psi, Sigma Alpha Mu, Sigma Pi Tau (local).

Sororities at Eugene only are: Alpha Phi, Delta Gamma, Phi Mu.

Medical fraternities at the Medical School in Portland are: Alpha Epsilon Iota, Alpha Kappa Kappa, Phi Chi, Nu Sigma Nu, Phi Delta Epsilon, Theta Kappa Psi.

Student Publications

STUDENT and alumni periodicals are published at the several institutions as indicated below. In addition, the official publications of the State Board of Higher Education and institutional publications are listed on another page.

AT ASHLAND

The **Siskiyou**, edited and managed by students, is issued semi-monthly and distributed free to all members of the student body.

AT CORVALLIS

The **Oregon State Barometer**, published as a four-page, eight-column daily, chronicles campus news together with selected items of general and educational news. Every student receives the paper free.

The **Beaver**, a carefully compiled, illustrated, substantially bound volume published annually, gives a comprehensive record of the campus year.

The **Oregon State Monthly**, edited and issued by the Alumni Association of the College in cooperation with the undergraduate student bodies of the several schools, is devoted to the up-building of the College and its program of service to the state. It reports news of the schools, alumni, and faculty and affords expression of both alumni and undergraduate opinion.

The **Oregon State Technical Record** is a quarterly magazine devoted to engineering and industry. The magazine is a member of Engineering College Magazines Associated.

The **Oregon State Directory** comprises a complete directory of all the members of the institution's students, faculty, and employees.

The **Annual Cruise**, an illustrated annual magazine published by the Forestry Club, aims to unite more closely the forestry and lumbering industries of the Pacific Northwest and to advance scientific forestry and lumbering.

The **Student Handbook** is a pocket-size booklet issued by the Associated Students giving information for new students, especially regarding the organizations, regulations, and traditions for which the students are primarily responsible. It includes the constitution and by-laws of the Associated Students, as well as some of the established songs and cheers.

AT EUGENE

The **Oregon Daily Emerald** is a full-size newspaper edited, managed, and financed by students. All students are eligible for positions on its staff, which is organized very much like that of a metropolitan newspaper. Every student receives the daily, which faithfully gives him the campus news.

The **Oregana**, the year-book of the Associated Students, presents a handsome pictorial record of the year's activities. The volume appears during Junior Week-End in May.

The **Student Directory** is a carefully compiled list of all students and faculty members, their addresses and telephone numbers.

The **Hello Book**, distributed to new students, is a handbook containing information on administrative and student officers, campus traditions, the Co-op, student activities, and the constitution and by-laws of the Associated Students.

AT LA GRANDE

The **EON**, an attractive annual student publication of the Eastern Oregon Normal School, presents in interesting and artistic fashion a record of school happenings for the year.

The **Beacon**, a bi-weekly student newspaper, publishes noteworthy current events of the campus.

AT MONMOUTH

The **Lamron** is a weekly newspaper written, edited, and managed by students with the aid of a faculty adviser. It is designed to keep students and faculty in touch with the activities of the campus and the institution.

The **Norm** is an annual publication, attractively illustrated and filled with the record of pleasant memories of the year. The volume makes its appearance on May Day.

The **Student Handbook**, edited during the summer, is ready for distribution on registration day in the fall. It contains general information for students.

State Higher Education in Oregon

THE Oregon state system of higher education, as organized in 1932 by the State Board of Higher Education following a Federal Survey of higher education in Oregon, includes all state-supported institutions of higher learning in Oregon. The several institutions, located at six different places in the state, are now elements in an articulated system, parts of an integrated whole. The educational program is so organized as to distribute as widely as possible throughout the state the opportunities for general education and to center on a particular campus specialized technical and professional curricula closely related to one another.

The institutions comprising the state system of higher education include the University of Oregon at Eugene, Oregon State Agricultural College at Corvallis, the University of Oregon Medical School at Portland, the Oregon Normal School at Monmouth, the Southern Oregon Normal School at Ashland and the Eastern Oregon Normal School at La Grande.

Except at the Medical School, which is on a graduate basis, each institution provides the general and disciplinary studies essential to a well-rounded education. At the three normal schools these general studies are combined with professional training in two-year curricula. On the Corvallis and Eugene campuses, however, opportunity is provided for full two years of unspecialized junior college work. Beyond the junior college or lower division level distinct differentiation between campuses begins. At Eugene are centered the advanced work in the humanities and social sciences, including the professional schools most closely related to these fundamental fields of knowledge. At Corvallis are centered the advanced work in the physical and biological sciences and the technical and professional schools resting essentially on the natural sciences.

Six Units

THE State University and the State College had their inception soon after Oregon's admission into the union. Colleges in territorial Oregon were confined to several privately supported institutions. State-supported higher education in Oregon was the outgrowth of two acts of the National Congress, the first on February 14, 1859, when the act admitting Oregon as a state provided for a grant of seventy-two sections of land for the establishment and support of a state university; the second, July 2, 1862, when the Federal Land-Grant act as applied to Oregon provided 90,000 acres for the establishment and maintenance of a "college where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts in such manner as the legislatures of the states may respectively prescribe in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life."

The Legislative Assembly of Oregon accepted the provisions of the latter act October 9, 1862, and in 1868 "designated and adopted" Corvallis College, a private institution first established in 1856, as the state's agricultural college. The curriculum of Corvallis College was immediately expanded (1869) to include instruction in agriculture. The first class was graduated in 1870. In 1885 the State assumed complete control of the College and established the present campus. The cornerstone of the Administration Building, oldest of the existing buildings, a gift of the citizens of Benton county along with 35 acres of land, was laid in 1887.

On October 19, 1872, the Legislative Assembly established the University of Oregon at Eugene. The first building, Deady Hall, was erected by the citizens of Lane county and presented to the Board of Regents in July, 1876. In September, 1876, the University opened its doors for the reception of students. The first courses were limited almost entirely to classical and literary subjects, but with the growth of the institution the demand for a broad curriculum was met by the addition of scientific and professional courses. The first class was graduated in June, 1878.

The Medical School of the University of Oregon was established by a charter from the Regents of the University in 1887.

Elementary teacher training became a responsibility of the state when in 1882 the buildings and grounds of Christian College at Monmouth became the property of the state. Upon this material basis was erected the first state normal school in Oregon. Within the next few years four other similar institutions were likewise established in the state. After a struggling existence all the normal schools became inoperative in 1909. In 1910 the Oregon Normal School at Monmouth was reestablished through an initiative measure. The Southern Oregon Normal School at Ashland was reestablished in 1926. By legislative action in 1925, later approved by the people, the Eastern Oregon Normal School was established at La Grande, opening its doors in 1929.

Location

ALL of the state institutions of higher education are located in easily accessible, modern and progressive communities assuring healthful and pleasant living conditions for students and faculty. Five of the campuses are located in the western part of the state on a north and south line extending 340 miles from Portland on the north to Ashland on the south. South from Portland, Monmouth is 65 miles, Corvallis 87 miles, and Eugene 124 miles. La Grande, in the northeastern part of the state, is 290 miles from Portland.

Ashland (population 4,544) is surrounded by the majestic Siskiyou Mountains and the verdant beauties of the Rogue River Valley. This unusual, sheltered alpine location assures climatic comfort with a maximum of sunshine throughout the year, and has endeared the city to her people and visitors. The water supply is unusual, including several mineral and hot springs as well as mountain water for general use. The civic prosperity of Ashland is evidenced in its fine hotels and stores, numerous

churches, well-equipped hospital, excellent city library, and modern school system. These factors, combined with sincere civic support, make Ashland an ideal community for an educational institution.

Corvallis (population 7,585), situated at the head of navigation on the Willamette River, is one of the most healthful cities in Oregon. The climate is remarkably equable, and severe storms are almost unknown. The average annual temperature is about 52 degrees Fahrenheit. Rainfall averages about 42 inches annually, falling mostly during the winter. Corvallis has excellent paved streets, good schools, many churches, attractive residences, a modern sewer system, and a first-class water system supplied from mountain springs. The Coast Range mountains and the distant splendor of the Cascades present a constant panorama of picturesque mountain scenery.

Eugene (population 18,901), located at the head of the Willamette Valley in the midst of Oregon's beauties of mountain and forest, is a progressive city in a region of rich resources. The city has an abundant supply of pure, wholesome water, modern sanitation, and all modern conveniences. Eugene has modern schools, numerous churches, and strong civic and social organizations. The climate is mild and healthful, with moderate winters and cool summers, while the protected situation of the Willamette Valley prevents any severe storms. The annual rainfall is about 38½ inches, the main precipitation coming in the winter months, November, December, and January, while the summers are practically free from rain. In addition to the Willamette River, the McKenzie and the Siuslaw rivers add their rich contributions to the strategic resources of Eugene.

La Grande (population 8,050) has the social, residential, and recreational requisites of an ideal educational center. The climate is particularly healthful, owing to the altitude of 2,783 feet. The atmosphere is consistently dry, rainfall averaging 20 inches annually. Cool breezes from the encircling Blue Mountains insure moderate summer temperatures, while this bulwark serves as a protection against winter extremes. La Grande has attractive homes and progressive industry, excellent schools, a public library, and active civic organizations. Public health is safeguarded by an excellent combined gravity and artesian-well city water system.

Monmouth (population 906) is located in the Willamette Valley near the state's population center, sixteen miles from the state capital at Salem. Exceptional climatic and scenic advantages afford a healthful and delightful place for study and campus life. Furthermore, Monmouth has an excellent water system, supplied from mountain springs, and a thoroughly modern sewer system. A chamber of commerce and a civic club of active, enthusiastic women are serviceable features of the community life. The campus itself is a beautiful and dignified spot entirely in keeping with the spirit of an institution of learning.

Portland (population 301,815), on the Willamette River near its junction with the Columbia, is a modern city of diverse business and industrial activities. Although 100 miles from the Pacific, Portland is an important seaport. Beautiful homes, parks, and boulevards, surrounding mountains,

notably Mount Hood which towers on its southeastern horizon, and an equable climate make it an exceptionally desirable place for study. As indicated elsewhere, concentration of a number of hospitals on the campus of the Medical School and articulation of the work of the school with various health and social agencies of the city afford superior opportunity for medical study.

Income for Higher Education

THE state law creating the State Board of Higher Education specified that this body was to "have and exercise control of the use, distribution and disbursement of all funds, appropriations and taxes, now or hereafter in possession, levied and collected, received or appropriated for the use, benefit, support and maintenance of institutions of higher education." By virtue of this act, and beginning July 1, 1931, the Board has administered all funds for all state-supported higher educational activities on the basis of a unified budget.

Funds for the support of higher education in Oregon are derived primarily from the following sources: A millage tax of 2.04 mills on all taxable property; certain continuing appropriations from the State for definite purposes; specified sums from the National Government assigned for definite purposes by Congressional acts; income from student tuition and fees; and other sources such as sales and transfers, gifts and donations, and miscellaneous.

The total income for 1931-32 was \$3,869,682.36. Of this amount \$2,884,112.66 was available for general educational purposes and \$985,569.70 was restricted for specific educational purposes. This does not include Associated Student funds, revolving funds from dormitories, student loan funds, etc.

FROM THE STATE OF OREGON

From the Millage Tax. The Resident Instruction work of all the state-supported institutions of higher learning is chiefly dependent for support upon the income from the millage tax, as provided by the State Legislature of 1913, and by vote of the people May 21, 1920. The income from this source for the year 1931-32 was \$2,262,327.16. The millage tax is not a direct levy on taxable property but is a state levy "equal to two and four hundredths mills on the dollar of the total value of all taxable property of the State of Oregon."

From Continuing State Appropriations. By legislative enactment a sum of \$156,650 in continuing appropriations is made available annually for certain definite purposes. This includes an appropriation of \$25,000 a year for agricultural extension work, including extension schools, lectures, demonstrations in agriculture and homemaking, and publications. For cooperative work with the United States Department of Agriculture, the State appropriates \$15,000 a year. To meet appropriations made by the various counties for maintaining county extension work, including agri-

cultural and home demonstration agent work, the State is now appropriating approximately \$60,150 a year.

Counties of the state participating in the agricultural and home demonstration agent work contributed \$96,310 during 1931-32 in support of these activities.

The State also appropriates \$56,500 annually for the support of branch experiment stations at Astoria, Burns, Hermiston, Hood River, Moro, Pendleton, Talent, and Union.

All these funds accruing to the Board through continuing appropriations are restricted in their use to the purposes for which they were appropriated.

FROM THE NATIONAL GOVERNMENT

During the year 1931-32, the National Government contributed a total of \$264,389.91 for educational activities of the state as follows:

For Resident Instruction. Interest under the land-grant fund accruing to the University of Oregon under the Act of Congress of 1854 and accruing to Oregon State College under the Act of Congress of 1862 aggregated \$16,475.16 in 1931-32. No part of the fund may be used for the purchase, erection, or maintenance of any buildings. An additional annual appropriation of \$50,000 a year to land-grant colleges is provided in the Morrill Act of 1890 and the Nelson amendment thereto of 1907, with the same limitation as to use. For the training of teachers of vocational subjects, the National Government contributed \$5,200 for 1931-32 under the Smith-Hughes Act of 1917.

For Agricultural Research. The National Government contributes funds for agricultural experiment station work under the following headings: *Hatch Fund*: Under an act of Congress, approved March 2, 1887, the State College receives \$15,000 a year for the maintenance of an agricultural experiment station "to aid in acquiring and diffusing among the people useful and practical information on subjects connected with agriculture." *Adams Fund*: An act of Congress, approved March 20, 1906, provides an annual appropriation of \$15,000. This fund is "to be applied only to paying the necessary expenses of conducting original research or experiments bearing directly on the agricultural industry" of the state, and therefore supplements the Hatch Fund in the maintenance of the Experiment Station. *Purnell Fund*: An act of Congress, approved February 24, 1925, provides an appropriation of \$60,000 for the fiscal year 1931-32. This fund is "for more complete endowment of agricultural experiment stations." Special attention is being given to investigations in agricultural economics and home economics.

In addition to these sums for agricultural research, the National Government supports directly certain research activities at the Central, Sherman County, Pendleton, Hermiston, and Medford experiment stations. During the year 1931-32 this expenditure totaled about \$190,000.

For Cooperative Agricultural Extension Work. For cooperative agricultural and home economics extension work, the National Government

contributes. *Smith-Lever Fund*: This fund was established by the Smith-Lever Agricultural Extension Act passed by Congress May 8, 1914. By its provisions Oregon State Agricultural College received \$10,000 from the Federal Government to apply toward the support of the Extension Service for the fiscal year ending June 30, 1915. This sum was increased annually for seven years and amounted to \$45,350.81 in 1931-32. It continues as a permanent appropriation for each fiscal year, as long as an equal sum, less the basic \$10,000, is duplicated from sources within the state. *Supplemental Smith-Lever Fund*: In order to maintain Extension work, which expanded rapidly during the war, Congress, beginning with the fiscal year 1919-20, has appropriated annually a Supplemental Federal Smith-Lever fund. Oregon's share of this supplemental fund for the fiscal year 1931-32 was \$13,569.72. *Capper-Ketcham Fund*: The first session of the Seventieth Congress passed an act known as the Capper-Ketcham Act for further development of the cooperative extension work inaugurated by the Smith-Lever Act of 1914. Under the provisions of this new act Oregon received \$24,294.22 in 1931-32. *Additional Cooperative Extension Fund*: For the fiscal year ending June 30, 1932, the United States Department of Agriculture expended in Oregon \$19,500 for Extension work in agriculture and home economics, the state duplicating this amount up to \$15,000.

In addition to these funds which the National Government contributes for agricultural and home economics extension work, a sum of \$24,800 was spent directly by the United States Department of Agriculture for these activities.

FROM STUDENT FEES AND TUITION

Income from student fees and tuition assessed at the University of Oregon, Oregon State Agricultural College, the Oregon Normal School, the Eastern Oregon Normal School, and the Southern Oregon Normal School totaled \$790,264.78 in 1931-32. This includes all income accruing to the State Board of Higher Education from student sources but does not include Associated Student funds, dormitory income, loan funds, etc.

FROM OTHER SOURCES

Income from miscellaneous sources during 1931-32 totaled \$299,740.51, distributed as follows: *Sales and Fees*: During the fiscal year 1931-32 a total of \$180,772.90 was realized from the following sources: farm, orchard and livestock sales, extension fees, central experiment station sales, branch experiment station sales. *Gifts and Miscellaneous*: Through donations, gifts, and endowments given to the various institutions and from miscellaneous sources, the State Board of Higher Education received a total of \$118,967.61 during the year 1931-32.

Official Publications

OFFICIAL publications pertaining to public higher education in the state comprise those issued directly by the State Board of Higher Education and various institutional publications on the several campuses. The legislative act placing all the state institutions of higher education under the control of one board provided that all public announcements pertaining to the several institutions "shall emanate from and bear the name of the Department of Higher Education and shall be conducted in such a way as to present to the citizens of the state and prospective students a fair and impartial view of the higher educational facilities provided by the state and the prospects for useful employment in the various fields for which those facilities afford preparation." The announcements emanating directly from the Board are included in a bulletin series and a leaflet series.

The Bulletin of the Oregon state system of higher education is a monthly publication issued by the Board. Announcements of curricula, including the annual catalog, information for students, and official reports are included in the series.

The Leaflet Series of the state system of higher education, issued semi-monthly, includes special announcements to prospective students and the general public.

AT CORVALLIS

The College Bulletin includes institutional reports and announcements.

Agricultural Experiment Station Publications. The Station BULLETINS include reports upon research problems and upon experimental investigations in agronomy, horticulture, drainage and irrigation, dairying, animal husbandry, poultry husbandry, insect pests, plant diseases, home economics, agricultural economics, farm management, marketing, and special subjects of interest to the husbandman, conducted at the home station or the several branch stations. The Station also issues a series of CIRCULARS, briefer and less technical than the bulletin series, a mimeograph series of CIRCULARS OF INFORMATION, and occasional pamphlets and reports.

Engineering Experiment Station Publications. These include a series of BULLETINS, CIRCULARS, and REPRINTS, reporting progress in engineering research.

Extension Service Publications. The Extension Service publishes a regular series of BULLETINS written in such style as to be easily understood, thus meeting the popular demand for scientific knowledge in such form that the people of the state may profit by its application to every-day life. The subjects covered by these monographs include the various phases of agriculture, home economics, engineering, and applied science. A series of OUTLOOK CIRCULARS deals from time to time with the agricultural outlook of the state in respect to the major lines of agricultural production. The Extension Service also issues twenty-one different series of CLUB CIRCULARS in furtherance of the Club work for boys and girls in the public schools and the home cooperative demonstration projects. In addition to its regular series, the Extension Service publishes occasional miscellaneous circulars, posters, and reports.

AT EUGENE

The University Bulletin includes institutional reports and announcements.

Research Bulletins. Research by staff members and various organizations including the Research Council and several bureaus such as Business Research and Educational Research bureaus are published in a series of bulletins.

The High School is a monthly publication published by the School of Education on the Eugene Campus. As an economy, this publication has been temporarily suspended for the year 1932-33.

The Oregon Law Review is published quarterly under the editorship of the faculty of the School of Law as a service to the members of the Oregon Bar and as a stimulus to law research and productive scholarship on the part of students. It is the official organ of the Oregon Bar Association.

The Commonwealth Review, a bi-monthly magazine edited by the College of Social Science, draws material from all divisions of the State System of Higher Education to the end of supplying helpful information to public officials and leaders throughout the state concerned with the upbuilding of civic and municipal life and institutions.

Lands and Buildings

RANGING in size from 17 to 142 acres, the six campuses comprise a total of nearly 425 acres. In addition, farm and forest lands in various parts of the state are owned or leased for research, demonstration, or instructional purposes, the total area of such lands being approximately 6,700 acres. For the uses of the several state institutions of higher education the State owns more than 100 buildings, most of them substantial structures of brick or stone. Brief descriptions of the physical facilities of the State system of higher education are given below. Laboratories are listed in connection with the descriptions of buildings. Libraries and museums are described under a separate heading. Equipment for instruction and research is described in connection with the respective departments.

Six Campuses

MAPS showing the plan of the campuses at Ashland, Corvallis, Eugene, La Grande, Monmouth, and Portland are printed on another page. Each campus has been planned and developed to afford convenience to students and faculty and facilitate the type of work carried on at the respective institutions.

At Ashland. The campus of the Southern Oregon Normal School occupies 24 acres within a short distance of the business district of Ashland. The first unit of the institution, surrounded by a broad expanse of lawn, stands in a setting of madrona trees on a gentle elevation overlooking the Pacific Highway.

At Corvallis. The campus of Oregon State Agricultural College extends from near Ninth Street westward between Monroe and Jefferson streets in a wedge shape to Sixteenth Street, thence in a rectangular shape to the Agriculture Mall (Thirtieth Street). The area from Ninth to Fourteenth Streets, known as the East Campus, is a spacious, attractively planted recreation park. Directly west is the East or Administration Quadrangle with the Engineering group immediately to the north. The West or Academic Quadrangle is the heart of the present campus. Between it and the Mall are the men's and women's quadrangles, devoted to halls of residence and recreational areas. To the north are the greenhouses with adjacent gardens. Across the Mall, facing east, are a number of agricultural buildings. Between this row of buildings and the farms are the areas assigned to the barns and stables. Each quadrangle is tastefully planted with native, exotic, and ornamental trees, shrubs and herbs, which not only contribute to the beautification of the entire campus but also serve as living laboratory material for students pursuing landscape studies. The campus proper comprises 189 acres; other college lands at Corvallis bring the aggregate acreage to somewhat more than 1,000 acres.

At Eugene. The campus of the University of Oregon contains about 100 acres of land in the east part of Eugene on the Pacific Highway. On the north campus are located the older buildings such as Deady, Villard, and McClure, the library and a few of the newer buildings, the home of the School of Law, the School of Business Administration, and the School of Journalism, as well as the architecture and art group. The south campus is mainly occupied by the newer buildings, the administration building, or Johnson Hall, Condon Hall, the education group, the Music Building, the women's quadrangle, and the new fine arts building. East of this section of the campus is the new dormitory for men and a large tract devoted to military and athletic purposes. The University buildings are situated on rising ground well wooded with native and exotic trees.

At La Grande. Within easy walking distance from the business district of La Grande the campus of the Eastern Oregon Normal School occupies more than 29 acres, including space for an athletic field. The location affords opportunity for future expansion. An elevation overlooking the city and the beautiful Grand Ronde Valley provides an ideal location for the central or Administration Building of the proposed campus group. Appropriately chosen and placed shrubs enhance the beauty of the campus and building. An impressive feature of the campus is the wide concrete stairway leading to the north entrances of the normal school building from the street below. This stairway is 150 feet in length and rises 42 feet with low, broad treads that provide an easy ascent.

At Monmouth. Occupying an area of 17 acres, the campus of the Oregon Normal School is divided by Monmouth Avenue. To the north are a number of buildings surrounding the Quadrangle and Cottage Close, attractive garden-like areas. Immediately to the east, across the Pacific Highway, is located the Monmouth training school. To the South is the fir grove planted by the pioneer founders of old Christian College. West of the grove are tennis courts and Butler Athletic Field.

At Portland. Prior to 1919 the Medical School was housed in a three-story frame building at Twenty-third and Lovejoy streets near Good Samaritan Hospital. In the spring of 1914 a tract of twenty acres was deeded to the regents of the University by the Oregon-Washington Railroad and Navigation Company as a campus for the future development by the University of a center of medical teaching and research. The campus was enlarged in 1924 by the addition of an adjoining tract of eighty-eight acres, a gift of Mrs. C. S. Jackson and Mr. Philip Jackson in behalf and in memory of the late C. S. Jackson. It is named Sam Jackson Park. The entire campus of one hundred and eight acres occupies a site of exceptional scenic grandeur at an elevation overlooking the city and the Willamette River, isolated from noise and smoke but within one and one-half miles of the business center. It affords an ideal setting for medical school buildings and affiliated hospitals. In 1920 the University conveyed to the county of Multnomah nine acres on the campus for the construction of a general charity hospital. In 1926 a tract of twenty-five acres was deeded to the United States Government as a site for a new Veterans' Bureau hospital of three hundred beds.

Farm and Forest Lands

FOR instruction and research in agriculture and forestry, the State holds title to farm and forest lands, not only at Corvallis but also at various points throughout the state. In addition to the lands west of the Mall, the South Farm, including horticultural and poultry tracts, lies just south of the city limits of Corvallis. The College owns at Corvallis 555 acres of land, including the tracts immediately to the west and to the south of the city limits. Five miles north of Corvallis the College owns a tract of 124 acres devoted entirely to the purpose of the Agricultural Experiment Station. The Peavy Arboretum and the Mary J. L. McDonald Forest eight miles north of the campus contain 1,600 acres. On the east slope of Mary's Peak (Mount Chintimini) is a 160-acre tract used for demonstration purposes in forestry. The College at present has lease on 1,098 acres adjoining the campus, or within a radius of five miles of the campus, for the uses of the School of Agriculture and the Agricultural Experiment Station.

The several branch experiment stations contain varying acreages with title vested in the County, State, or Federal government.

A tract of 100 acres about two miles from the campus is used by the United States War Department for three months each year for pasturage of ninety-two public animals of the R. O. T. C.

The College holds title to a timber tract of 640 acres in Jackson county, a gift from Mrs. Mary J. L. McDonald of San Francisco. A logged-off timber tract of 2,400-acres in Columbia county is owned by the College through the gift of John W. Blodgett of the Blodgett Company, Ltd., Grand Rapids, Michigan. Both of these tracts are for the use of the School of Forestry.

Buildings

THE following brief descriptions, arranged alphabetically for each campus, will convey a general idea of the principal buildings at the several institutions and the purpose for which they are used. In each case the date of erection is indicated; if a building was erected by units, the dates of the erection for the respective units are indicated in order. The location of the various buildings is shown on the maps of the various campuses elsewhere in the catalog. In addition to the buildings listed, various service buildings are found on some of the campuses, and the several branch experiment stations have buildings adapted to the research and experimental work carried on.

AT ASHLAND

The Normal School Building (1926), designed in the style of Italian Renaissance, adapts itself particularly to the climate and background of Ashland. In addition to the administration offices and the auditorium, which seats six hundred people, the building contains eighteen classrooms and a well-planned library.

The Training School (1926). Lincoln School, one of the public elementary schools of Ashland, in close proximity to the campus, was built jointly by the City of Ashland and the State of Oregon for use as a training school. The building is modern in both equipment and organization, containing eight large demonstration rooms and twenty smaller classrooms. The room space and the number of children attending, 325, make it possible for 28 student teachers to take teacher training simultaneously every period during the day.

AT CORVALLIS

The Administration Building (1889) is a three-story brick structure, 90 by 120 feet, containing recitation rooms, music studios, the Workshop Theater, and the offices of the Registrar, the Business Manager, and the Director of Music. Located on a slight eminence, it commands an unsurpassed view of the campus, the city of Corvallis, and the picturesque Cascades.

Agriculture Hall (1909, 1913), an edifice of brick and sandstone, consists of the central or administrative section, the north or Agronomy wing, and the south or Horticulture wing.

The central section is 66 by 140 feet, four stories and basement. On the first floor are the offices of the Director of the Agricultural Experiment Station and the Dean of the School of Agriculture, the Director of the Extension Service, the State Leader of 4-H Clubs, various other offices of the Extension Service, and the soils research laboratories of the Experiment Station. The second floor is occupied by some of the offices, classrooms, and laboratories of the department of Botany; the third floor, by the departments of Zoology and Entomology with their respective museums; and the fourth floor, by the department of Bacteriology.

The north or Agronomy wing, 72 by 130 feet, three stories high, is occupied by the departments of Soils, Farm Management, and Farm Crops, including the cooperative seed-testing laboratory. The third floor is occupied by the departments of Art and Entomology.

The south or Horticulture wing is 72 by 130 feet, three stories high. This section of the building, with its basement and three floors, accommodates the central offices and various activities of the department of Horticulture, the visual instruction department of the Extension Service, and some of the laboratories, museums, lecture rooms, and offices of the departments of Botany and Zoology of the School of Science.

Apperson Hall (1898, 1920) is 90 by 120 feet in size, three stories high, constructed of Oregon gray granite, sandstone, and terra cotta. The third story was added during the summer of 1920 and the interior completely remodeled. The first floor contains offices and laboratories for the department of Electrical Engineering and Light and Power. The second floor contains offices of the Dean of the School of Engineering and various offices, classrooms, and laboratories of the department of Electrical Engineering. The third floor contains offices for Civil Engineering and Railroad Engineering, four drawing rooms, and five class and lecture rooms.

The Armory (1910, 1911) is built of concrete and steel, 126 by 355 feet. The drill hall portion, with an area of 36,000 square feet, is used in inclement weather by the Infantry for formation and by the football team, by the Engineers for bridge construction, and by the Field Artillery for mounted and dismounted instruction; it is also used for playing indoor polo and by the track teams, an excellent track encircling the drill hall portion having been recently completed. It also has arms rooms, instrument rooms, store rooms, offices, and classrooms. In all, the facilities of the Armory afford instructional and recreational facilities for approximately 1,600 students.

Commerce Hall (1922), constructed of brick and terra cotta, has entrances from both the north and the south. It is of "U" shape, 186 feet long and 67 wide, with wings 28 by 107 feet. There are three floors above a well-lighted ground floor. The most approved methods of heating, lighting, and ventilating are employed. The building houses the offices of the President and the Executive Secretary; the Dean of Men; the Dean of Women; the Editor of Publications; the Clerical Exchange; the College Press; the departments of Agricultural Economics, and Secretarial Training; and that part of the department of Mathematics which deals with commercial mathematics.

The Dairy Building (1912) in both outside and inside finish is of architecture similar to that of Agriculture Hall. The structure is 54 by 141 feet, three stories high. On the first floor are the offices of the Dairy department and laboratories for buttermaking, cheesemaking, and market milk instruction, including a boiler room and student lockers. On the second floor are the testing laboratory, advanced laboratory, and research laboratories. The third floor is occupied by the department of Animal Husbandry.

The Engineering Laboratory (1920) is a brick and concrete building 63 by 220 feet in dimensions and three stories high. The main laboratory is 40 by 220 feet and includes three principal divisions: (a) a materials laboratory occupying about one-third of the building at the east end; (b) a hydraulics laboratory occupying the middle third; and (c) a steam and gas engine laboratory occupying the west end of the building. Each division has floor space on the basement, main floor, and mezzanine or gallery floor. All are served by a five-ton electric traveling crane. The south part of the building contains offices, recitation rooms, drafting rooms, and special laboratories, these last including highway materials laboratory, fuel and oil testing laboratory, metallography laboratory, and automotive laboratory. A 100-horse-power water tube boiler is located in the basement to furnish heat for the building and steam for experimental use in the laboratory.

The Farm Mechanics Building (1912) provides drafting rooms, classrooms, and laboratories for the work in agricultural engineering. Facilities are provided for teaching and experimental work dealing with farm power, farm machinery, farm water supply and irrigation equipment, farm shop, farm building, and automobile mechanics. The building is brick with stone trim, 50 by 120 feet in dimensions and two stories high.

The Forestry Building (1917), three stories high, 80 by 136 feet, constructed of brick, contains roomy laboratories for work in silviculture,

dendrology, mensuration, forest protection, technology, mapping, and logging engineering. In addition, space is devoted to a collection of manufactured wood products, designed to show the various uses to which wood may be put, and to a forest museum in which are assembled large specimens of all commercial woods of the United States.

The Foundry (1899), a brick structure with a floor area approximately 40 by 85 feet, is equipped with a 24-inch cupola, brass melting furnaces, core ovens, cranes, bull-ladles, etc., of ample capacity for commercial production.

The Greenhouses (1928), constructed with steel frame and curved eaves, provides approximately 27,000 square feet under glass. This area is divided among the various branches of the work as the needs develop. One house, 33 feet by 100 feet, is especially designed and equipped for the class work of the different departments in the School of Agriculture. Interior glass partitions and a control of heat make it possible to grow any of the crops generally handled by florists and vegetable forcers. In addition, any plant material required by research men can be grown in the spaces assigned to them.

The Heating Plant (1923), 52 by 80 feet in dimensions and one story high, is constructed of brick and concrete, with concrete tunnel and conduits leading to the various buildings of the campus. The radial brick chimney is 175 feet high and 10 feet inside diameter, having an outside ladder and platforms permitting student work on temperatures of flue gases. The plant is equipped with three 500-horse-power boilers set with dual furnaces permitting the burning of either fuel oil or the Oregon mill refuse known as hogged fuel. The present building is designed to permit enlargement.

The Home Economics Building (1914, 1920) measures about 215 feet in length and 120 feet in total width. It consists of three stories above a high basement, and is built of brick and terra cotta. Heating, lighting, and ventilating systems of thoroughly modern type are installed, and every provision—including an electric elevator, rest room, reading room, lockers, and dressing rooms—is made for the comfort and convenience of the young women pursuing work in home economics. Lecture rooms, laboratories, and offices for all phases of home economics are provided in this building. A large, well-equipped auditorium is located on the third floor of the central unit. A number of classrooms and offices are temporarily used by the department of English.

The Home Management Houses, Kent House (purchased 1930) and Withycombe House (purchased 1918), are an important part of the home economics equipment. These are residences built for family life but now used as laboratories for advanced students in home economics.

The Horticultural Products Building (1919, 1923), constructed of brick, 46 by 72 feet, three stories high, with a one-story wing 46 by 60 feet, contains offices, lecture rooms, and instructional and research laboratories designed and equipped for work in food products. The building is arranged for practical and technical work in commercial canning, fruit juices, vinegar, carbonated beverages, dehydration, and other food manufacture.

west wing, 52 by 96 feet, provides a wrestling and boxing room and four handball courts, as well as various equipment and athletic dressing-rooms. The fourth unit provides a natatorium 50 by 100 feet in size, of white tile construction, equipped with modern high and low diving boards, and with a recirculating filtration automatic chlorination system which keeps the water sterile. The pool is surrounded by a gallery.

The Mines Building (1913), 65 by 81 feet in dimensions, is a four-story building, constructed of brick, trimmed with stone, and similar in type to all the newer buildings on the campus. The first floor of the building contains the offices and laboratories of the department of Chemical Engineering. In the basement are laboratories and storage rooms assigned to the department of Chemical Engineering or reserved in part for conducting mining courses during the present academic year. Two rooms in the basement are used jointly as storage rooms by the department of Geology and for the current year for storage of mining equipment and supplies. The General Geology laboratory, Paleobotany, and Paleontology laboratories are located on the second floor, with lecture rooms for the use of Geology, Chemical Engineering, or other departments. On the top floor are the Mineralogical, Petrographical, Structural, Sedimentary, and Economic Geology laboratories and for the current year a classroom for the Mining students.

The Nursery School, in Covell House (purchased 1927), has large, pleasant rooms adapted for the work of the Nursery School of the School of Home Economics. Adjoining is an enclosed playground equipped for outdoor activities of the school.

The Old Gymnasium (1899), 70 by 120, is built of stone and wood, and comprises a basement, or first floor, facing east, with the main floor above it, having a bank entrance on the west end. The building is used as headquarters for the Cadet Band and College Orchestra, for instruction in band instruments, for concerts and assemblies, and for various instructional purposes.

The Pharmacy Building (1924), is a three-story brick structure, 62 by 123 feet. In addition to the regular classrooms and laboratories, special features of the building include a model drug store for instructional work, a drug museum, a sign-card and window trimming department, dark room, fire-proof vault, stock rooms, and an amphitheater seating two hundred persons and provided with modern equipment for motion-pictures. The Oregon State Board of Pharmacy maintains in this building the State Drug Laboratory with a competent staff for enforcing the pure drug law of Oregon. The lighting, heating, and ventilating systems are all modern and effective.

The Physics Building (1928) is a three-story red brick structure that architecturally forms the east wing of the Mines Building, though the two buildings have no inside connection. The new building is somewhat irregular in shape, conforming in part to the Engineering buildings parallel with Monroe Street and in part with the East Quadrangle, upon which the Mines Building faces. The structure has a maximum length of 169 feet north and south and 85 feet east and west with a total floor area of approx-

imately 32,700 square feet. It provides permanent quarters for the departments of Physics, Radio Broadcasting, and Highway Engineering, and temporary office room for the Dean of the School of Science.

The first or ground floor is designed for laboratory and service purposes. There are three laboratories for courses in general physics, several more for advanced courses and one for research. There are also a main switchboard room, a storage battery and chemical room, a substation, a fan room, a janitor's room, and an instrument shop. The second floor is occupied by a suite of rooms for the department of Highway Engineering, a group of rooms for the department of History, the general offices of the department of Physics, a suite of rooms for instructional and service work in photography, and a number of classrooms. The third floor provides three lecture rooms, a classroom, and a suite of rooms for radio. The last-named affords space for the State broadcasting station KOAC, including the general offices, an operating room, a battery room, a large studio, a small studio, an announcer's room, and a waiting room. A special laboratory for the teaching of astronomy is located on the roof of the building.

The Poultry Building (1927) is a new, modern three-story brick and stone building 53 by 128 feet. Equipped with the necessary laboratories for judging, incubation, fattening, dressing, egg grading and candling, it has excellent facilities for instruction in these poultry subjects. The building has modern cold-storage equipment. In addition to classrooms the building provides laboratories for the department of Veterinary Medicine.

Science Hall (1902), constructed of gray granite and sandstone, covers a ground space of 85 by 125 feet, has four stories, and contains fifty-five rooms. Within it are housed the department of Chemistry, with its various laboratories, recitation rooms, and lecture halls, together with the offices and laboratories of the Agricultural Experiment Station chemists.

Shepard Hall (1908-1909), now housing the Y. M. C. A., was erected by the organization as a tribute to the memory of Clayborne Shepard, who gave his life to the cause of cleaner and truer citizenship as exemplified in student life. The basement contains a club room, kitchen, shower room, wood room and accessories. The first floor contains a large lobby, which is used as a reading and game room, offices of the General Secretary and Employment and Housing Secretary, a large cabinet room, and a committee room. The second floor is used for classrooms and offices of the School of Education.

The Stables and Barns are located in the western part of the campus, the area assigned to them lying west of Agricultural Mall. All recent barns have been built west of the Mall, and the older structures will eventually be moved from their present location, thus concentrating all barns midway between the campus proper and the College farms. These barns and farm service buildings are arranged in seven or eight groups according to their use, such as military stables, horse, beef-cattle, dairy, hog, and sheep barns, veterinary barn, poultry buildings, etc.

The Stadium. The covered stands and bleachers around Bell Field, adjacent to the Men's Gymnasium, seating approximately 20,000 people,

have been built from student fees and from the receipts of athletic contests held in the Stadium and elsewhere.

The Stock Judging Pavilion (1912) provides comfortable and commodious quarters for all of the demonstration work with livestock. The main room is 40 by 90 feet, well lighted and heated. A movable partition is provided whereby this large room may be divided into two smaller ones, each large enough for all regular classes.

The Veterinary Building (1918), a frame structure 56 by 65½ feet, is used for both instructional and research work. The front part of the building consists of two rooms, lighted by skylights and large windows. One of the rooms is a small amphitheater, with a seating capacity of about one hundred and twenty. The arena is sufficiently large for casting animals for surgical work. The opposite room is used for dissection and for holding autopsies. The back part of the building is divided into two stories. The first floor consists of a dressing-room, toilet and shower-bath room, drug and instrument room, and stalls. The second floor has space for storing feed.

Waldo Hall (1907), one of the halls of residence for women, is a large building of pleasing appearance, with a concrete foundation and basement wall, and a cream-colored, pressed-brick superstructure, three stories high. The building is 96 by 240 feet, and contains one hundred and nineteen rooms for students. On the entrance floor are located the dining-rooms and kitchens and a laundry for students. On the first floor are spacious reception rooms and a considerable number of student rooms. The upper floors are given up entirely to student rooms. Each floor has a trunk room, baths and showers. Each room has closets, running water, steam heat, and electric lights. The hall is modern in its appointments, and all equipment and furnishings necessary for health, comfort, and homelike atmosphere have been provided.

The Women's Building (1927), a campus center for women's interests, provides complete facilities for a well-rounded program in physical education. The building measures 254 feet in length and 150 feet in width. All parts of the structure except the swimming pool are above ground. The pool, 75 feet by 35 feet, is finished in white tile and adjoins the tile shower rooms equipped with 75 individual showers. Equipment has recently been added to meet the requirements of the State Board of Health for a Grade A pool. Also on the first floor are the large dressing-room provided with 256 dressing booths and 1,500 lockers, a laundry, a rest room, and a hair-drying room. The main room on the first floor is the large gymnasium, 72 by 100 feet, with a balcony on three sides and tall, arched windows on the fourth. Adjoining and opening from the gymnasium is the games room, 46 by 70 feet. Space is provided for dancing classes in a special room with mirrored walls and large French windows. The Physical Education office and offices and dressing-rooms for the staff complete the second floor. The third floor provides rooms and equipment for measuring and examining women students and for the special work in corrective gymnastics. Three rooms used as social or study rooms have been furnished by the Women's Athletic Association and the Physical Education Club.

AT EUGENE

The Alumni Annex (1919), a cottage 24 by 52 feet located back of Johnson Hall, houses several faculty offices. It was originally built as headquarters for the University's gift campaign.

The Arts Building (1902, 1914, 1922), constructed of brick and stucco, breathes the artistic atmosphere with which it is surrounded. The building itself is 145 by 205 feet in size, with two stories in each wing. It has numerous well-lighted studios where classes meet to work, as well as regular classrooms. A court between the wings, attractively landscaped, is one of the scenic spots of the campus.

The Barracks (1917), headquarters of the Reserve Officers Training Corps, is a wooden structure erected during the World War. It contains space for storage of equipment, a small rifle range, drill shed, and headquarters for the officers' staff. It is 40 by 120 feet in size and is conveniently located at the edge of the drill field. The drill shed is 50 by 100 feet in size.

The Commerce Building (1921), of brick, three stories high and 80 by 90 feet in size, is located near the center of the new campus. The building is strictly modern in every respect, and is styled architecturally to conform with the new campus plan. In addition to offices and classrooms, it has facilities for laboratory and research work in the field of business. The building also contains classrooms and offices of the Economics department.

Condon Hall (1924), designed as the first wing of a larger building, is constructed of brick and conforms in style to other newer campus buildings. It is 93 feet wide and 210 feet long. At present the structure contains laboratory and classrooms for Geology and Geography and the herbarium and a laboratory for anthropological research on the first floor, and classrooms, offices, and research facilities for Psychology on the third floor. For the time being the entire second floor is given over as the reserve section of the library and is one huge study room.

Deady Hall (1876), historic first building on the University campus, was for many years the entire University plant, and as such is remembered and revered by the older graduates. It contains three stories and a basement and is 55 by 100 feet in size. To students today its style of architecture is quaint, and its high towers rise like sentinels among the trees that have grown up about it during the past 52 years. It now contains laboratory and classrooms for Physics, Biology, Botany, Mathematics, and other departments. It is located in the exact center of the old campus, a beautifully landscaped spot.

The Depot and Heating Plant (1924) houses the University's modern and efficient heating system. The structure, at the northeast corner of the campus, constructed of brick, is 53 by 97 feet in size. It also contains the University depot, where materials for the University are stored, and is headquarters for the grounds department and the University post-office.

The Dispensary (1919), is a small wood building conveniently located near the center of the campus. Hurriedly put up following the war the building, which served at one time as the headquarters for the School of Journalism, now contains facilities for medical treatment of students, including offices of the University physicians and nurses.

✓ **The Education Building (1921)**, which adjoins the University High School, is one of the newer buildings on the southwestern portion of the campus. It is a modern, one-story structure, 48 by 130 feet in size, of brick. It contains the offices and classrooms for the School of Education.

The Extension and Home Economics Building (1908) is a modern two-story structure of wood, 42 by 72 feet in size. Although unassuming, it plays an important role in education throughout the state, for it is the headquarters for extension and correspondence study. The building also contains the University Home Economics department.

✓ **Friendly Hall (1893, 1914)**, the first men's dormitory at the University, is in style of architecture reminiscent of the older traditional universities. It is of massive brick construction, with deep window and door casements, and its main rooms have high, beamed ceilings. With its two wings, the first constructed in 1893 and the second in 1914, it has accommodations on its three floors for 78 students. The dormitory rooms are spacious, and it has an attractive lounge room for its residents. Part of the first floor has been taken over for offices of the Informational Service and the Alumni Association, and the building also houses the headquarters of the speech division of the English department.

✓ **Gerlinger Hall (1921)**, known familiarly as the "Women's Building," was a gift to the University by alumni and others of the state of Oregon, and was erected without cost to the state. One large room, designated as Alumni Hall, is beautifully furnished, and serves as the social center for the University. The building also contains the women's gymnasium, complete in all essentials, the women's swimming pool, and other accessories for training in physical education for women. The structure, three stories in height, is 93 feet wide and 276 feet long. The third floor at present also houses the famed Murray Warner collection of Oriental art, which is soon to be moved to specially designed quarters in the Fine Arts Building. The building is located on the south side of the beautiful Women's quadrangle, near the center of the campus.

✓ **The Grandstands (1922, 1925)**, provided by the students of the University from funds derived from athletic contests and from Associated Students dues, enclose three sides of Hayward field. Most of the stands are covered and seating arrangements for about 18,000 persons are provided. All football games, track meets and similar events are held in the Stadium enclosed by these grandstands.

✓ **Hendricks Hall (1918)**, a modern and comfortable residence for women students, accommodates 112 students. Besides the student suites, the hall contains a spacious living-room, with smaller rooms for receiving guests, and a tastefully furnished dining-room. The arrangement and furnishing of the interior contribute to a cheery, homelike atmosphere.

The Infirmary (1906), where students who are sick or convalescent are cared for, is a small wooden building, 40 by 40 feet in size. Although unpretentious and at times crowded, the University physicians see to it that its facilities are ample to care for the patients.

Johnson Hall (1918) or the Administration Building, is the center of the University, both in location and in activity. Here the President of the University, the dean of the College of Social Science, the Registrar, the Business Manager, and other officials have their offices and staffs. Students use the building as a center for registration. The structure, with its stately portico, is 78 feet deep and 107 feet in width, with three well-arranged stories, constructed entirely of brick and ornamental stone. The administrative offices are on the third floor, the Drama department with its unique model theater, and a number of classrooms and offices are on the second level, and more classrooms on the first floor.

The Journalism Building (1922), in the northeast portion of the campus, is constructed of red brick. The School of Journalism occupies the first floor and part of the second, while the other portion of the second floor and the third floor are given over to Chemistry classrooms and laboratories. The school maintains a complete newspaper office, where the University daily, *THE EMERALD*, is published, and here a visitor would see the huge "copy desk," smaller desks for reporters, and complete equipment for publishing both the school paper and the laboratory project newspaper for students.

The Library (1905), located near the center of the campus, is the center of the intellectual life of the University. Chairs and study tables cover every spare foot not occupied by books in its three stories. The building is of brick, now beautifully covered with ivy, and is 60 by 90 feet in dimension. Adjoining it at the back is a three-story stack room, 35 feet by 50 feet, into which are crowded thousands of volumes of reference and other books.

Mary Spiller Hall (1905), women's dormitory, adjoining Hendricks Hall, is 52 by 70 feet in size, of wood, three stories in height, and has accommodations for 18 girls. The lodgers share the dining- and living-rooms in Hendricks Hall.

McArthur Court (1926), erected by students of the University and paid for entirely by funds derived from athletic events and students fees, is one of the largest and best-equipped athletic buildings in the West. It is 180 feet by 230 in size, made entirely of concrete, and around the huge center basketball pavilion seats are provided for several thousand spectators. The basement provides spacious quarters for all athletics. Offices of the Associated Students and athletic coaches are also located in the building. McArthur Court is located on the west portion of the athletic field, north and east of the campus.

McClure Hall (1900), a brick and stucco building 45 by 100 feet in size and three stories in height, occupies a central location on the older portion of the campus. It now houses the Chemistry department and has facilities for laboratories and classrooms.

Strand
✓ **The Men's Dormitory** (1929), a thoroughly modern and fully-equipped home for University students, was financed entirely through funds derived from students who live in it, and payment and interest on bonds issued to construct it are to be met through future earnings. The dormitory, constructed of brick, comprises six units. Two 30 by 80 feet in size, two 30 by 90, one 30 by 130, while the central unit, which also contains the commons dining hall, is 80 by 135 feet. Each unit accommodates about 40 men, and each has its own living and reception rooms reached by separate entrances. For each two students there is a separate study and dressing room and for each four a sleeping porch. Building and furnishings are all new and comfortable.

The Men's Gymnasium (1909), provides facilities for Physical Education for men, as well as intramural sports. The gymnasium, 80 by 100 feet in dimensions, contains two stories and an indoor race track and gallery. It has a large basketball court, locker and dressing-room facilities and office and classroom space. In the annex, another wooden building 80 by 117 feet, several handball and squash courts have been provided. Several fields for baseball, football, tennis, and other sports adjoin the gymnasium.

✓ **The Museum** (1931). The Campbell Museum or Fine Arts Building, a gift of the people of the state and the University alumni and friends, was formally dedicated in 1932, to the memory of Dr. Prince L. Campbell, late President of the University. It was constructed along lines ascertained by extensive study of the best museums in the country, and architecturally is regarded as one of the finest buildings in the state. It is 65 by 185 feet in size, two stories in height, absolutely fireproof, and contains a large number of rooms, all artificially lighted. The Prince L. Campbell Memorial Court is 35 by 61 feet in size, containing the bust of Dr. Campbell, a beautiful pool and fountain, and expressive objects of art. The building occupies a central position on the campus, and is beautifully landscaped.

✓ **The Music Building** (1921), housing the University department of music, is a modern brick building, containing besides studios for teachers and classrooms, an auditorium completely equipped for recitals and concerts. The building proper is 50 by 140 feet in size. A two-story annex constructed of wood, 45 by 110 feet, provides additional studios and classrooms as well as practice rooms for students. An excellent pipe-organ, a gift to the University, and a number of practice pianos are included in the equipment. The building is located in the southwest portion of the campus.

✓ **The Oregon Building** (1916), matching the Commerce Building which it faces, is built of brick, 80 by 90 feet in size, and has three stories. The third story is occupied by the School of Law, with its library. The first and second stories are used for classrooms and offices for English, German, Latin, Romance Languages, and other studies. The building, one of the most modern at the University, is designed as a unit of the newer portion of the campus.

The Physical Education Office (1929) is a remodeled dwelling, 20 by 33 feet in size, located midway between the Men's Gymnasium and Hayward field, that serves as headquarters for the Dean of the School of Physical Education and his staff.

The Press Building (1925), housing the University press, a complete modern printing establishment in a fireproof concrete building 65 by 183 feet in dimensions. It contains complete equipment for publishing all University periodicals, the University daily, and all required institutional printing.

The Social Science House (1900), affording offices and classrooms for social science studies, is a remodeled residence, of two stories, and is 24 by 48 feet in size, located on the east edge of the campus.

Susan Campbell Hall (1921), completed as the third unit in the Woman's Quadrangle, is opposite Hendricks Hall. It serves as a dormitory for 112 girls, and in construction and equipment is almost identical with Hendricks, except that the residents of Susan Campbell Hall share the Hendricks Hall dining-room.

Villard Hall (1885), a stately structure of an earlier day, being the second building erected for the University, has a quiet dignity that makes this portion of the campus one of the most revered by present students as well as those of earlier classes. It is built of brick, has two stories, and is 65 by 112 feet in size. It contains lecture and classrooms for English and other studies.

The Y.M.C.A. "Hut" (1918), constructed during the war for use of the Students' Army Training Corps unit, is the headquarters for the campus Y.M.C.A. and has game and reading rooms as well as a large hall that serves as a meeting place for student gatherings.

The Y.W.C.A. Bungalow (1918) is an attractive center of social work for women students. It is located near the Y Hut, at the west entrance to the campus.

AT LA GRANDE

The Normal School Building (1929), of Italian Renaissance architecture, provides the administration offices, an auditorium seating 600 persons, 16 classrooms, and a well-selected library. Leading to the building, which is located 42 feet above the street, a wide stairway 150 feet in length, constructed of buff-colored concrete, with cast-stone trim, harmonizes in design with the main building.

AT MONMOUTH

The Administration Building (1871, 1889, 1898, 1917). The first section of this building, patterned after a typical English cottage, was constructed in 1871. Additions have been made at different times on the north, south, and west. This early building has suggested the architectural design of the more recent buildings of the campus. The building contains the administrative offices, the library, the main auditorium, student health service, the men's and women's coat rooms, and the women's dressing and shower rooms. The auditorium is adequate in size to permit bringing to the campus public attractions of the most desirable type.

Music Hall (1890), a remodeled dwelling, affords temporary facilities for the music department.

The Gymnasium (1913), a brick and concrete structure, is used for a full schedule of Physical Education classes and as a center for many of the social activities of the School.

The Monmouth Training School (1916) contains classrooms, recitation rooms, and supplementary rooms equipped for classes in cooking and sewing, the library, and an auditorium.

The Independence Training School (1926), located about two miles from Monmouth and connected with it by both private bus service and public bus service, with a gymnasium adjoining, provides facilities for a complete elementary school.

Jessica Todd Hall (1912, 1921) accommodates 152 students. Built at two different periods, the building has several unusual but attractive features resulting from the adjustments necessarily made in the architectural plan. Among these are the arrangement of two dining-rooms with the kitchens between, the private dining-room for students who act as waitresses, and the attractive gallery-like reception rooms. The large living-room affords unusual accommodations for social life. The dining-rooms provide seating for 275 persons, accommodating all students living in the halls of residence. The major space of the hall is devoted to the 103 student rooms, about equally divided between double and single rooms.

The Senior Cottage (1917). The two-storied house of red brick and gray shingled walls provides most unusual and convenient living accommodations for 26 students. The rooms and office of the Dean of Women and of one of her assistants are in this house.

East House (1917) is assigned to second-year students, accommodating 18 students. It has commodious study rooms, sleeping porches and living-room.

West House (1924) is a stately residence hall, Colonial in type, equipped to house 30 students. Like East House, this hall is designated as a residence for second-year students.

The Central Heating Plant (1912) provides heat and hot water for the campus and contains the institutional laundry, together with laundry facilities for individual use of students.

The Infirmary is maintained in a private home for the care of students during illness while in school. This provision is made possible through the cooperation of one of the residents of Monmouth who is a graduate physician and who acts as matron of the Infirmary.

AT PORTLAND

The First Medical School Unit (1919) was made possible by an appropriation of \$110,000 by the 1917 State Legislature and by cash donations amounting to \$25,000 from Portland citizens. The building is a three-story reinforced concrete structure, housing the preclinical departments.

McKenzie Hall (1922), named in honor of the late Dean Kenneth A. J. McKenzie, was made possible by an appropriation of \$113,000 by the 1921 State Legislature, matched by an equal appropriation from the General Education Board. The building is four stories high, similar in construction to the first unit but twice its capacity. The General Education Board appropriated \$50,000 additional for equipment.

The Dornbecher Memorial Hospital for Children (1926) was made possible by a gift of \$200,000 in 1924 by Mrs. E. W. Morse and Mr. Edward Dornbecher in behalf and in memory of their father, the late F. S. Dornbecher, for the establishment and construction of a children's hospital. This gift was augmented by individual gifts totaling \$120,000. The hospital contains 80 beds for children. Located on the Medical School campus, the hospital provides exceptional facilities for the care of sick and disabled children committed to the Medical School by the counties of the state under the Children's Hospital Service law. The hospital affords every detail for teaching and research in the departments of pediatrics and other clinical divisions.

The Out-patient Clinic (1931). This unit, adjacent to the Dornbecher Memorial Hospital for Children and the Multnomah County General Hospital, affords teaching facilities for the clinical branches of the Medical School. The building was made possible by a gift from the General Education Board.

Libraries and Museums

ALL libraries and museums of the several institutions of higher education, as property of the State, are regarded as existing for the benefit, not only of their respective campuses but of all the campuses alike. The libraries have been so organized as to make available to students and faculty in each of the institutions the books and other printed material in all the libraries, as well as the services of the trained staff of specialists in the various divisions of library service. The museums are regularly open to the general public as well as to students and faculty of all the institutions.

Libraries

THE library service of the state institutions of higher education in Oregon is organized into a single unit under the supervision of a Director, with a local librarian on each campus. The Director is also Librarian of the State College at Corvallis, where the central offices of the library system are located.

The collections at the several institutions are developed particularly to meet the type of work peculiar to each campus, but the book stock of the libraries as property of the state circulates freely to meet the needs of the curricula and to permit the fullest use of all books.

A union author list of all books and periodicals in the system is maintained in the central office to facilitate a better distribution of the book stock and to eliminate unnecessary duplication of published material. While the libraries are organized for uniformity of methods, cooperation in the use of books, and preparation of bibliographies and indexes, there is individuality in service at the several institutions as indicated by the descriptions of the libraries.

AT ASHLAND

The Library at the Southern Oregon Normal School at Ashland occupies a large room on the first floor. The main collection of 5,500 volumes is a representative reference and professional library with an additional selection of books on general subjects.

Besides the regular card catalog, the library has a number of special indexes, such as the card index of collective biography, an index of all of the plays in the library, and a card index of the historical association publications compiled by the Librarian of the Ashland Public Library.

Eighty-five periodicals and several daily and weekly newspapers are received regularly.

In addition, there is a collection of 1,700 juvenile books, representing the best in children's literature.

The library is open during the school day, the first four evenings of the week, and on Saturday mornings.

AT CORVALLIS

So planned as to permit expansion as demands upon the library facilities increase, the Library Building at Oregon State Agricultural College occupies a central location in the East Quadrangle. The building is described in detail under Buildings, page 92. The public service rooms include the Reference and Reading room, 150 by 41 feet extending the entire length of the building, the Periodical room, and the Reserved Book room, providing a total seating capacity of 406 readers.

The Reference and Reading Room. The general reading room contains a collection of encyclopedias, dictionaries, standard reference books in the different departments of study, and bound files of periodicals. The Reference Desk, where all general and technical reference questions are handled, is conveniently located here. An excellent collection of public documents and publications of learned societies is filed in adjacent stacks. Duplicates of the most used material are kept for circulation. The main Circulation Desk is also in this room. The "Culture collection" of books for general reading is shelved here.

The Periodical Reading Room. Adjoining the general reading rooms is the periodical room, containing current issues of periodicals, together with special collections of material pertaining to current interests.

The Reserve Book Reading Room is located on the main floor of the building. All reserved books and periodicals are circulated there.

Seminar Rooms. A debate seminar room is maintained as a work shop for the various intercollegiate and interclass debate teams. It is expected that other seminar rooms will be established as soon as space now used for other purposes can be released. Individual desks are placed on each deck of the stacks for the use of faculty members and advanced students engaged in special study.

Catalogs. A general catalog of all library books on the campus is accessible to the public. This is arranged alphabetically by author, title, and subject. There are also a card catalog of the publications of the United States Department of Agriculture arranged in the same manner, and a card index of the publications of the state experiment stations, which is a subject catalog.

Special card indexes of short stories and essays are kept up to date in the Reference department. Current indexes of *THE OREGON VOTER*, *THE BAROMETER*, and one of the larger dailies of the state are maintained.

Collections. The main working collection of the library is housed in the Library Building, and includes the books provided for the activities of the various schools of the College and the Experiment Station; a good collection of the publications of other colleges and experiment stations; and publications of the departments of Agriculture of the United States and many foreign countries. The library is a designated depository for the publications of the United States Government and the Carnegie Institution of Washington. It owns a collection of more than 2,000 documents received as a gift from the late United States Senator Dolph. The collection of

books on the history of horticulture is notable, and that on home economics is unusually complete for the size of the library, while good foundations have been laid for research work in plant pathology, entomology, horticultural products, chemistry, and pharmacy.

The total number of cataloged volumes, including depository set of 3,717 volumes, is 111,196. The number of cataloged pamphlets is 3,239, uncataloged 416,238. The number of different periodicals currently received is 1,033, and 115 newspapers are received by subscription, gift, or exchange.

Departmental collections are limited to the few books that may be constantly required for laboratory purposes, but a liberal charging system permits faculty members to draw books for several weeks or a term when best service can be rendered thereby.

All books classified and cataloged according to the Dewey decimal system are being reclassified under the Library of Congress system. Books may be drawn for home use by all officers and students of the College. Books may be kept by the students for two weeks with the privilege of a renewal, and by officers for as long a time as best service to all will permit. Seniors and graduate students may have access to the stacks for special study if recommended to the Librarian by the department head under whom they are studying.

Service. The library is open from 7:50 to 9:30 p.m. every day but Sunday and legal holidays, and Sunday from 2 to 5 p.m. for reading purposes only. The library is both a reference and a circulation library for all persons connected with the institution, and reference to others as far as possible. An excellent system of interlibrary loans is maintained with other libraries on the Coast, especially within the state. The library is also able to borrow from the United States Department of Agriculture Library and the Library of Congress, and from certain specialized scientific libraries in the East when there is a real need. Small branch circulation libraries, changed each month, are maintained in the various halls of residence on the campus and at the campus Y. M. C. A.

Instruction. The Library Staff gives instruction for one week during the term in all classes in freshman English composition (Eng 111), covering elementary principles of library practice. In addition, the Staff gives the following course intended especially for advanced students.

Lib 300. BIBLIOGRAPHY. Third term, 2 hours.

The sources of printed materials, with methods and practice in search for information in standard reference books, periodicals, government documents, and scientific and technical literature; the preparation of bibliographies. Given by members of the Library Staff, with lectures by specialists in cooperating departments. Two lectures.

AT EUGENE

The University of Oregon library is a well-selected and steadily growing collection, now numbering about 215,000 volumes. It is well equipped for the undergraduate work of the University and is each year making some progress in securing materials needed for advanced research.

The library is supplied with the standard general and special reference books and with the files of the principal American and foreign periodicals of general interest as well as those of special value in connection with the work of the various departments of instruction. It receives regularly about 2,216 periodicals and 154 newspapers. There was available the past year from various sources for books, periodicals, and binding, about \$18,509.

Collections. Among the special collections in the main library are: The Pauline Potter Homer collection of beautiful books, a "browsing" collection of 650 volumes; the Oregon collection of books, periodicals, pamphlets, documents, etc., by Oregon authors or relating to the state; the University of Oregon collection of items having to do with the University; the text-book collection numbering about 2,000 volumes of school and college text-books, new and old; the F. S. Dunn collection of 500 volumes of historical fiction illustrating life from prehistoric times to the Norman conquest; and the Camilla Leach collection of art books.

The Oregon Museum Oriental library of 2,300 volumes was presented by Mrs. Gertrude Bass Warner, and is maintained by her in connection with the Oregon Museum of Fine Arts. It includes rare and valuable books and periodicals dealing with the history, literature, civilization, and especially the art of China, Japan, and other Oriental countries.

A reference collection for the use of students of architecture is provided in the architecture building. Mr. Ion Lewis, prominent Portland architect, in 1929 presented his valuable architectural library to the University of Oregon School of Architecture and Allied Arts, and the heirs of Mr. William M. Whidden, for many years Mr. Lewis' partner, presented his fine collection also to the school. These collections form the nucleus of a permanent School of Architecture library.

Reserve collections of books for required reading are maintained in the main library, in Condon Hall, and in the School of Business Administration.

Service. During the regular session the library is open each week day from 7:30 a. m. to 10 p. m., and on Sunday from 2 to 10 p. m. Vacation hours are from 8 a. m. to 6 p. m. Books other than reference books and those especially reserved for use in the library may be drawn out for a period of one month subject to renewal if there is no other demand for them. All persons connected with the University have the privilege of drawing books and the use of the library for reference purposes is extended to the general public as well.

The **University High School library**, maintained in connection with the School of Education, contains 3,600 volumes.

The **Law Library**, located in the University Law Building, is arranged to give students and faculty easy access to the books. In content it is such as to serve every normal need of both students and faculty. It now numbers approximately 20,906 accessioned volumes and several hundred unaccessioned volumes. The collection includes substantial gifts from the libraries of Lewis Russell, Judge Matthew P. Deady and Judge W. D. Fenton. Judge Fenton's gift is known as "The Kenneth Lucas Fenton Memorial Library" and numbers about 8,000 volumes.

Instruction. Instruction in book selection and elementary reference work given by members of the Library Staff will be found described elsewhere under the curricula of the College of Arts and Letters. A special course in library work for teachers is offered in the summer session.

AT LA GRANDE

The library of the Eastern Oregon Normal School at La Grande is housed in a large well lighted room on the first floor of the building. It includes a modern and thoroughly representative collection of professional volumes, an excellent teacher-training model library where students can familiarize themselves with the best in children's literature, and a small group of books for purposes of general culture which have been selected with careful discrimination.

The total number of books is 6,366. The total number of pamphlets is 1,789.

AT MONMOUTH

The Oregon Normal School libraries, which occupy the first floor of the north wing of the Administration Building, contain more than 17,000 volumes, several thousand pamphlets, and all the principal magazines and Oregon newspapers.

Unusual advantages for independent investigation are offered the students on educational, professional, scientific, and current topics, through unrestricted use of the open shelf system in the model library, the reserve book room, and the main reference library.

The Model Library contains the books adopted by the state for use in the public schools, together with valuable supplementary text and reference books. This library offers especial advantages to students in organizing material for teaching as an abundance is provided to supplement the texts.

AT PORTLAND (MEDICAL SCHOOL)

The Medical School library contains more than 14,000 volumes and receives 370 current journals. Through the privilege of interlibrary loans it is possible to procure within a few days volumes not contained in this collection. The library is supported from the general Medical School fund. In addition the Oregon State Board of Medical Examiners, the Portland Academy of Medicine, and the Portland City and County Medical Society contribute annually toward its maintenance.

Museums

ON the various campuses much material of artistic, scientific, or historical interest is classified under the several departments as part of the equipment for instruction. In many cases such material is mentioned in listing the equipment under the departments and schools.

AT CORVALLIS

The College Museum, formally opened February 20, 1925, owes its existence very largely to the personal interest and activity of Dr. J. B. Horner, Professor Emeritus of History and Director of Oregon Historical Research. The collections are rapidly growing and while occupying the entire east half of the ground floor of the Library Building, including the corridor, are greatly crowded for space. The Museum is administered by a faculty committee composed of Dr. Horner and Professor J. Leo Fairbanks.

The exhibits include the Hill Collection of natural history, presented to the College in 1924 by the heirs of the late Dr. J. L. Hill, of Albany, Oregon; the J. G. Crawford collection from prehistoric burial mounds; the E. E. Boord collection of specimens of animals of the Northwest and the Far North; the Leslie M. Davis collection of Brazilian weapons; the Wiggins, Anthony, Lisle, and Rice Collections of American historical weapons; the Dr. C. E. Linton collection of birds of the ocean; the D. A. R. antiques; the Mrs. J. E. Barrett collection of Indian basketry; commercial, zoological, and botanical collections, together with many smaller collections, representing the generosity of one hundred donors. Among recent additions to the museum art collection is a life-size portrait painted by W. Maurice Ball of Colonel John D. Letcher, pioneer commandant and professor of mathematics at the College.

In addition there are on the campus extensive collections of fauna and flora, economic plants, soils, insects, textiles and embroideries, woods, crude drugs, and geologic specimens. Some of these collections are described in connection with the various departments and schools.

AT EUGENE

The Oregon Museum of Fine Arts. The collections comprising the University museum are now being installed in the new Fine Arts Building (see Buildings), designed to be a "temple of things beautiful and significant." This beautiful building was made possible by gifts from the citizens of Oregon. The first unit will cost approximately \$200,000.

The Murray Warner Collection of Oriental Art, given to the University in 1921 by Mrs. Gertrude Bass Warner as a memorial to her husband, was started by Major and Mrs. Warner while they were living in Shanghai, China. Major Warner had a considerable knowledge of the Orient, and serving the American government as he did through the Boxer rebellion and the unsettled conditions following, had exceptional opportunities to obtain many beautiful specimens of Chinese art, some of which are now in the museum. Since Major Warner's death, Mrs. Warner has made six trips to the Orient to increase the collection and to replace articles that were not up to museum standards with those that were. Mrs. Warner has given a part of the collection to the Smithsonian Institution in Washington, D. C., but the larger portion has come to the University of Oregon in order to foster on the Pacific Coast a sympathetic understanding and appreciation of the peoples of the Orient.

The Warner collection is especially distinguished by the rarity and perfect preservation of the objects composing it. At the present time only a small part of the Chinese collection is on display. Included in the material exhibited at present is a large collection of Chinese paintings by old masters, and tapestries and embroideries; fine examples of cinnabar lacquer; old jade; Chinese porcelains, including specimens of old blue and white of the Ming period; rare peachblow, oxblood and other varieties; ancient bronzes dating from the Chou, Han, and Sung dynasties.

The Mongolian collection was obtained through Mr. Larsen, explorer from Urga on the border of the Gobi desert. Mr. Larsen accompanied Mr. Roy Chapman Andrews on some of his expeditions into the interior.

The Japanese collection, consisting of rare old paintings, a large collection of old prints, brocades, some of them a thousand years old, temple hangings and altar cloths, embroideries, a large collection of beautiful old gold lacquer, a lacquered palanquin used three centuries ago by a prince of Japan, old porcelain, jewelry, collections of old silver, of pewter, of copper, of bronze, of armor, wood carvings, etc., is packed away on account of lack of museum space.

The Korean collection includes some very beautiful paintings mounted as screens, old bronzes, Korean chests inlaid with mother of pearl, etc.

The Cambodian collection contains many sampots of silk and gold; some beautiful stone carvings, fragments from the ruins at Angkor obtained through a representative of the French government, and large plaster-cast reproductions of the wonderful bas-reliefs from the famous temple of Angkor-Vat.

The Murray Warner Museum Library, adjoining the museum, contains a collection of rare books dealing with the history, the literature, the life and the art of the Oriental countries which helps to explain the museum collection and the countries of the Orient. A large number of magazines on art and the Orient are found in the library reading room.

The museum staff is as follows:

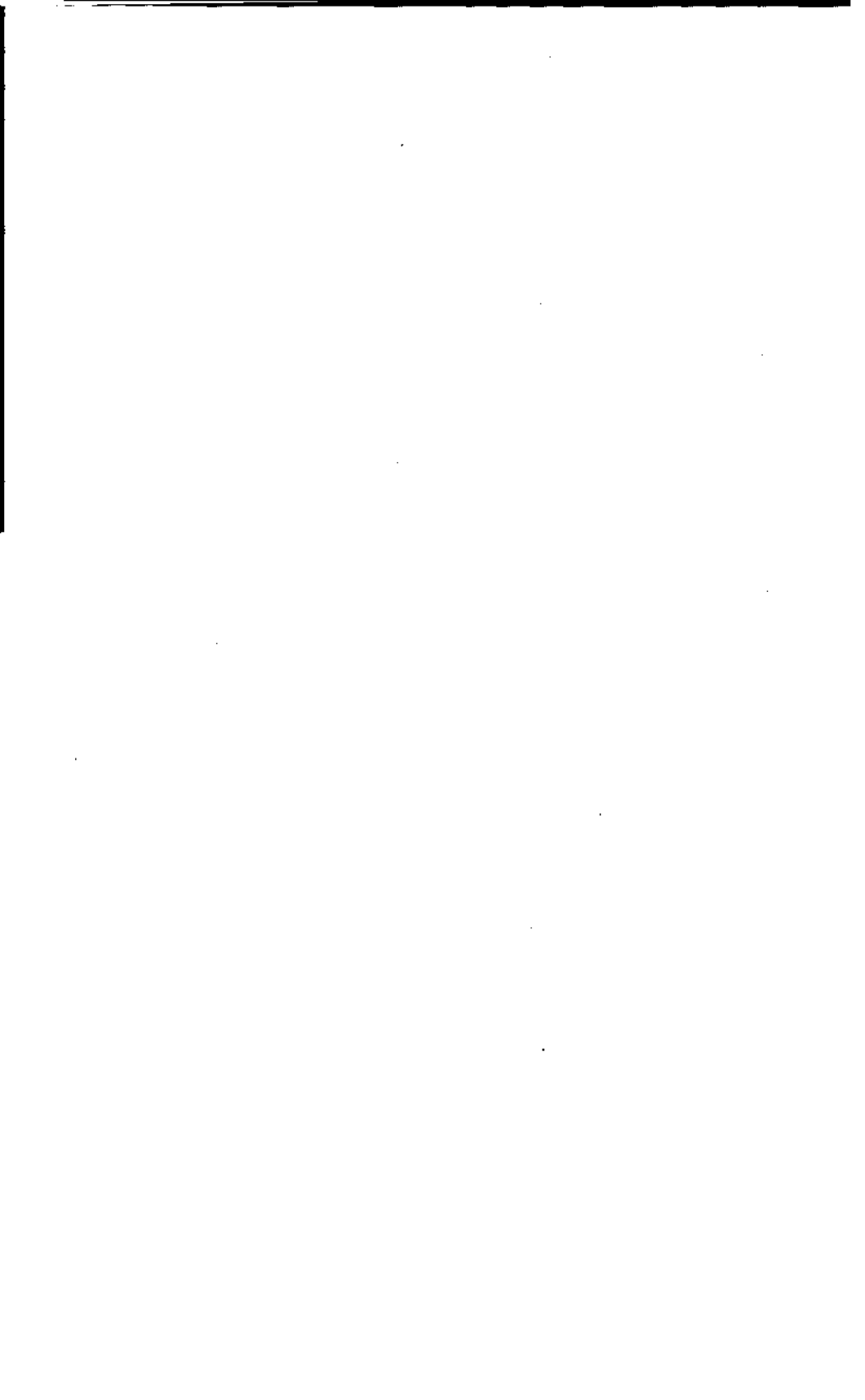
MRS. GERTRUDE BASS WARNER.....	Director
MRS. LUCY PERKINS.....	Curator, Chinese Collection
MRS. EMILY B. POTTER.....	Curator, Mongolian Collection
.....	Curator, Japanese Collection
.....	Korean Collection
.....	Cambodian Collection
MAHRL R. KLOCKARS.....	Librarian, The Murray Warner Museum Library
* ROSE ROBINSON, B.S. in L.S., M.A.,	Cataloger, The Murray Warner Museum Library
† MIRIAM YODER.....	Cataloger, The Murray Warner Museum Library

*Resigned, October 1, 1932.

†Appointed for 1932-33.

Part II

Resident Instruction



Lower Division

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

*ARNOLD BENNETT HALL, J.D., LL.D., President of the University.

M. ELLWOOD SMITH, Ph.D., Dean and Director of Lower Division.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

EARL MANLEY PALLETT, Ph.D., Executive Secretary and Registrar of the University.

ERWIN BERTRAN LEMON, B.S., Registrar of the State College.

GERTRUDE FULKERSON, Secretary to the Dean.

ON March 7, 1932, the State Board of Higher Education, adopting the Report of the Curricula Committee, directed that "all offerings in the Oregon State System of Higher Education be organized on lower and upper division levels, the lower division level to consist of the freshman and sophomore years and the upper division of the junior, senior, professional and graduate periods." The primary purpose of this organization as regards Lower Division is set forth in words quoted from the Report of the Survey of Oregon State Institutions of Higher Learning issued by the United States Department of Education, April 3, 1931:

- (1) "Insuring to all students the elements of a sound general education during their first two years.
- (2) "Delaying specialization until the junior and senior years and then encouraging it to a high degree.
- (3) "Providing students with a period of exploratory contact which will prevent unwise selection of specialization too early in their educational life and which will enable the institution to guide them to such selection from the basis of their abilities and aptitudes."

For the proper articulation between the various units of the system, lower division work was placed under a director responsible to the Board through the Chancellor of the system for the administration and organization of all lower division work, with the exception of that carried on at the two-year normal schools under the Director of Elementary Teacher Training. It is the duty of the Dean and Director of Lower Division, as defined by the Board, "to organize, plan, and direct the offerings of the first two years at the University and the College so as to fulfill the functions of this division of work and . . . permit the student who has completed the junior college work to enter the junior year in the field of his choice without loss of time or credit."

*On leave of absence.

At Corvallis and Eugene

FRESHMAN and sophomore work in liberal arts and sciences is offered at both the University and the State College on a parallel basis leading to the Junior Certificate. At the close of the sophomore year the student selects a major course of study and enters one of the degree-granting colleges or schools.

Lower Division Faculty. The voting faculty of the Lower Division consists of all faculty members of the rank of instructor or above offering lower division courses in departments providing work to meet the Lower Division "group" requirements (see below). A group chairman is immediately responsible for each Group under the Dean of Lower Division, while faculty advisers act as counselors to the students.

Registration. New students who have definitely selected a vocational objective for which training is offered in one of the technical or professional schools register in that school. Others register in Lower Division and are classified in the group in which their principal interest lies, but do not select a major program until the junior year.

Basic and Cultural Training. For students who proceed to a degree the two years in Lower Division provide broad training as foundation for study in some major field on the upper division level or for the specialization of professional or technical curricula. Opportunity is provided for students to explore several fields of interest, to determine the direction of individual choice, and to establish a basis for intelligent vocational guidance. For students who complete no more than the first two years of college or university, the Lower Division aims to afford a balanced, cultural program and a preparation for intelligent citizenship. The courses in subject-matter and manner of instruction aim to take into account the student's previous training and his basic requirements. A primary consideration in the organization of Lower Division courses is that the instruction shall make provision for emphasis on the social implications and personal values in the subject-matter without sacrifice in scientific or scholarly accuracy and thoroughness.

Lower Division "Groups"

FOR the purpose of adjusting the work to the two-fold purposes of orientation and basic education, subjects have been arranged in four groups, representing comprehensive fields of knowledge, as follows:

BIOLOGICAL SCIENCE GROUP

Bacteriology, Botany, Entomology, Psychology with laboratory, Zoology.

HUMANITIES GROUP

Art, English, Germanic Languages, Greek, Latin, Music, Romance Languages.

PHYSICAL SCIENCE GROUP

Chemistry, Geology, Mathematics, Physics.

SOCIAL SCIENCE GROUP

Economics, Geography, History, Philosophy, Political Science, Psychology, Sociology.

Students are required during the first two years to complete a prescribed amount of work selected from these four groups. The courses in the departments offered to meet group requirements are numbered from 100 to 110 and from 200 to 210. Freshmen of superior ability as demonstrated by scholastic record and score in the required placement and aptitude tests may, with the consent of the instructor involved and the approval of the Dean of Lower Division, enter immediately into sophomore courses when no prerequisites are involved. The intention is to allow the student to advance as rapidly as possible, give recognition to work taken in high school, and accommodate the program to the particular needs of the anticipated upper division instruction.

The freshman courses are particularly adapted by reason of their broad scope to the needs of a student who wishes to get a view of a subject without further work in the field, or who wishes to learn something about a field in order that he may determine whether or not he wishes to specialize in it. Other lower division courses afford opportunity for meeting elective needs in the Lower Division and to a limited extent in upper division curricula also.

Group Requirements

THE group requirements are different for freshman and sophomore students registered in "Lower Division" and for freshman and sophomore students registered in a technical or professional school.

FOR ALL STUDENTS NOT IN A TECHNICAL OR PROFESSIONAL SCHOOL

To insure a spread over at least three fields of knowledge with some continuance in one during the first two years, freshmen and sophomores not registered in a technical or professional school—that is, those registered in "Lower Division"—must complete at least 9 approved term hours in each of three of the four groups and at least 9 additional approved term hours in courses numbered 200-210, or equivalent, in any one of the same three groups.

freshman
In meeting this requirement, unless otherwise authorized, freshmen take two year-sequences in the 100-110 courses and sophomores take one year-sequence in the 100-110 courses and one in the 200-210 courses.

Besides fulfilling group requirements, all lower division students must take required work in English Composition, Hygiene and Physical Education, and Military Science and Tactics (men). They must also take such aptitude and placement examinations as are required of entering students

and make the adjustments indicated as a result of standing achieved in these tests. If decided upon a major subject, they will take the specific prerequisites designated by the major school or department. With the approval of the dean, students uncertain of their interests and intentions, or not planning to pursue major specialization later, use the time provided for major prerequisites for courses for self-exploration or individual development.

GENERAL DISTRIBUTION OF WORK FOR LOWER DIVISION STUDENTS

	Freshman Year		
	Term hours		
	1st	2d	3d
✓ Year-sequence in any one of the four groups	3-4	3-4	3-4
✓ Year-sequence in another of the four groups (may be deferred until sophomore year)	3-4	3-4	3-4
English Composition (Eng 111, 112, 113)	2-3	2-3	2-3
Military Science and Tactics (men) or General Hygiene (PE 111, 112, 113) (women)	1	1	1
Physical Education and General Hygiene (PE 151, 152, 153) (men) or Elementary Physical Education (PE 114, 115, 116) (women)	1	1	1
Departmental or school requirements or exploratory electives	6-3	6-3	6-3
	16	16	16
Sophomore Year			
✓ Sophomore year-sequence in one of the groups begun in the freshman year	3-4	3-4	3-4
✓ Year-sequence in a third group	3-4	3-4	3-4
Military Science and Tactics (men)	1	1	1
Advanced Physical Education (PE 251, 252, 253, men; PE 214, 215, 216, women)	1	1	1
Departmental or school requirements or exploratory electives	8-6	8-6	8-6
	16	16	16

FOR STUDENTS IN TECHNICAL OR PROFESSIONAL SCHOOLS

A student whose major interest lies within one of the technical or professional schools must complete during his freshman and sophomore years the following:

- ✓ (1) The school requirements for the freshman and sophomore years.
- ✓ (2) One-year sequence of at least 9 term hours in either the Humanities or the Social Science group, and another year-sequence of at least 9 term hours in either the Biological Science or the Physical Science group, such sequences to be selected from the 100-110 or the 200-210 numbers.

See for change

An exception to this requirement is made in the case of certain engineering curricula whereby one of the two required year-sequences may be deferred until the junior year.

The same requirements with regard to English Composition, Physical Education and Hygiene, Military Science and Tactics, and placement or aptitude tests indicated above for students in the Lower Division must be met by all freshmen and sophomores in technical or professional schools.

¹Chosen with the approval of the Dean of Lower Division. If one of the year-sequences in group requirements is deferred to the sophomore year, the opportunity for school requirements or electives is correspondingly increased. The electives may well be used for fulfilling requirements in a third group.

GENERAL DISTRIBUTION OF WORK FOR FRESHMEN AND SOPHOMORES
IN TECHNICAL AND PROFESSIONAL SCHOOLS

	Term hours		
	1st	2d	3d
Freshman Year			
English Composition (Eng 111, 112, 113).....	2-3	2-3	2-3
Year-sequence applicable in satisfying group requirements.....	3-4	3-4	3-4
Military Science and Tactics (men) or General Hygiene (PE 111, 112, 113) (women).....	1	1	1
Physical Education and General Hygiene (PE 151, 152, 153) (men) or Elementary Physical Education (PE 114, 115, 116) (women).....	1	1	1
School of departmental requirements or electives.....	10-8	10-8	10-8
	17	17	17
Sophomore Year			
Year-sequence applicable in satisfying group requirements.....	3-4	3-4	3-4
Military Science and Tactics (men).....	1	1	1
Advanced Physical Education (PE 251, 252, 253, men; PE 214, 215, 216, women).....	1	1	1
School or departmental requirements or electives.....	12-11	12-11	12-11
	17	17	17

Junior Certificate

IN order to complete the work of the Lower Division a student must meet the group requirements and complete a total of at least 93 term hours of required and elective freshman and sophomore work. The objective of most students in the Lower Division is the *Junior Certificate*, which admits to upper division standing. In order to receive the Junior Certificate a student must make a specified minimum scholarship average. Students whose scholarship average is less than this minimum receive the *Lower Division Certificate* while the *Junior Certificate with Honors Privileges* is given students whose scholarship average is outstanding. The certificates to which the work of the Lower Division leads are awarded as follows:

1. **Junior Certificate.** This is awarded to those students who have fulfilled the requirements stated above and maintained a grade-point average of 1.00 or better. This certificate admits to the privilege of proceeding to upper division work and to classification as junior.
2. **Lower Division Certificate.** This is awarded to those fulfilling the requirements stated above whose grade-point average falls below 1.00,—that is, whose scholastic average falls somewhat below C. This certificate is evidence of the completion of two years of college work but does not admit to upper division standing or the privilege of proceeding to upper division work.
3. **Junior Certificate with Honors Privileges.** This is awarded to those who have fulfilled the requirements stated above with a grade-point average fixed by the Honors Council (usually about 2; that is, a scholastic average of about B). This certificate admits to the privilege of working for Honors in those schools providing Honors work.

Students admitted to upper division standing proceed toward degrees in one of the degree-granting colleges or schools. The total number of term hours required for graduation varies in the different schools. For detailed degree requirements and curricula see the respective school announcements.

Lower Division Courses

THE courses offered to meet group requirements (numbered 100-110 and 200-210) and the courses available in arts and science departments as Lower Division requirements and electives are offered on substantially the same basis at both Eugene and Corvallis. In the list of courses below, all courses are offered on both campuses with the exception of those courses marked *, offered at Corvallis only, and those marked †, offered at Eugene only. Descriptions of the courses are printed under the respective departments.

BIOLOGICAL SCIENCE GROUP

Bacteriology

- *Bac 101, 102, 103. General Bacteriology, 3 hours each term.
- *Bac 201. General Bacteriology, 3 hours first or second term.
- *Bac 202. General Bacteriology, 3 hours second or third term.
- *Bac 203. General Bacteriology, 3 hours third term.

Botany

- Bot 101, 102, 103. General Botany, 3 hours each term.
- Bot 201, 202. The Plant Groups, 4 hours first and second terms.
- Bot 203. Classification of Flowering Plants, 4 hours third term.
- *Bot 251. Forest Pathology, 3 hours second term.

Entomology

- *Ent 201. Principles of Economic Entomology, 3 hours any term.
- *Ent 202. General Entomology, 3 hours third term.
- *Ent 231, 232, 233. Commercial Bee Culture, 3 hours each term.
- *Ent 234. Entomology for Engineers, 2 hours, first or third term.
- *Ent 235. Bee Culture, 3 hours third term.

Psychology

- Psy 201, 202, 203. Elementary Psychology, 3 hours each term. (Applicable in satisfying group requirements in Biological Science group if accompanied by Psy 204, 205, 206.)
 - Psy 204, 205, 206. Elementary Psychology Laboratory, 1 hour each term.
- Other lower division courses in psychology are listed under SOCIAL SCIENCE group.*

Zoology

- Z 101, 102, 103. Animal Biology, 3 hours each term.
- †Z 104, 105, 106. Animal Biology, 3 hours each term.
- Z 201, 202, 203. Biology of the Vertebrates, 4 hours each term.
- Z 111, 112, 113. Sub-Assistants' Conference, 1 hour each term.
- *Z 130. Principles of Zoology, 5 hours second term.
- Z 211, 212. Elementary Human Physiology, 3 hours first and second terms (Eugene), second and third terms (Corvallis).
- Z 213. Field Zoology, 4 hours third term.
- *Z 214. Genetics, 3 hours first term.
- *Z 215. Evolution and Eugenics, 3 hours third term.
- †Z 217, 218. Growth in Infancy, 2 hours first and second terms.
- †Z 241, 242, 243. Genetics, Evolution, and Eugenics, 2 hours each term.

HUMANITIES GROUP

NOTE: Students offering for entrance *one unit* in a foreign language should enter the *second term* of the first year of the language. Students offering entrance credit for *two years* of a language should take the second year in college. Students offering entrance credit for *three years* of high school work in a language should take one of the courses in that language beyond the second year. No credit is given if the first year or second year of high school work in a language is repeated in college.

English

- ✓ †Eng 101, 102, 103. Literature Survey, 4 hours each term.
- *Eng 101, 102, 103. English Survey, 3 hours each term.
- Eng 104, 105, 106. Introduction to Literature, 4 hours (Eugene), 3 hours (Corvallis), each term.
- †Eng 107, 108, 109. The Appreciation of Literature, 4 hours each term.
- Eng 201, 202, 203. Shakespeare, 3 hours each term.
- †Eng 208, 209, 210. Literature of the Ancient World, 2 or 3 hours each term.

LITERATURE

- †Eng 160. History of the English Language, 3 hours third term.
- Eng 161. American Literature, 3 hours any term.
- †Eng 162. English Poetry, 3 hours second term.
- †Eng 163. Wordsworth, 3 hours third term.
- †Eng 164. William Morris, 3 hours first term.
- †Eng 165, 166, 167. The Appreciation of Literature, 2 hours each term.
- †Eng 168, 169. Contemporary Literature, 3 hours each term; first and second terms.
- *Eng 260. Ruskin, 3 hours third term.
- †Eng 261, 262, 263. The English Essay, 3 hours each term.
- *Eng 261, 262. Individual Authors, 3 hours each term, first and second terms.
- *Eng 263. Great Books, 3 hours, third term.
- †Eng 264, 265, 266. Literature of the Modern World, 2 or 3 hours each term.
- *Eng 264, 265, 266. Continental European Literature, 3 hours each term.
- †Eng 267, 268, 269. Classical, Romantic, and Victorian Poets, 3 hours each term.
- *Eng 271, 272, 273. Contemporary Literature, 3 hours each term.
- †Eng 271, 272, 273. American Poets, 2 hours each term.
- *Eng 274. The Short Story, 3 hours third term.

WRITTEN ENGLISH

- ✓ Eng K. A one-term course for students failing to pass the English Placement examination. One hour first or second term.
- ✓ Eng 111, 112, 113. English Composition, 2 hours (Eugene), 3 hours (Corvallis) each term.
- ✓ Eng 211. Essay Writing, 3 hours any term (Eugene), first term (Corvallis).
- Eng 212. Advanced Essay Writing, 3 hours second term (Corvallis), second or third term (Eugene).
- Eng 213, 214, 215. Short Story Writing, 2 hours each term.
- Eng 217. Business English, 3 hours any term.

SPEECH

- Eng 130, 131, 132. Extempore Speaking, 3 hours each term.
- Eng 136. Parliamentary Procedure, 1 hour third term.
- Eng 230. Argumentation, 3 hours first term (Corvallis), first or third term (Eugene).
- †Eng 233. Platform Speaking, 3 hours first or third term.
- *Eng 235. Speech Composition, 3 hours first term.
- *Eng 237. Debating, 2 hours second term.

DRAMA

- †Eng 141, 142, 143. The Speaking Voice, 3 hours each term.
- Eng 241, 242, 243. Interpretation, 3 hours each term.
- *Eng 244. Stagecraft and Lighting, 3 hours any term.
- †Eng 244, 245, 246. Theater Workshop, 2 or 3 hours each term.
- *Eng 247, 248, 249. Community Drama, 3 hours each term.

Germanic Languages

GERMAN

- *Ger 101, 102, 103. German Literature (Third Year German), 3 hours each term.
 *Ger 201, 202, 203. German Literature (Third Year German), 3 hours each term.
 †Ger 205, 206, 207. Introduction to German Literature (Given in English), 3 hours each term.
 Ger 1, 2, 3. First Year German, 4 hours each term.
 Ger 4, 5, 6. Second Year German, 4 hours each term.
 †Ger 7, 8. First Year German, 6 hours each term, second and third terms.
 †Ger 111, 112, 113. Classical German, 3 hours each term.
 †Ger 114, 115, 116. German Fiction and Contemporary Literature, 3 hours each term.
 †Ger 117, 118, 119. Modern German Drama, 3 hours each term.

SCANDINAVIAN

- †Ger 11, 12, 13. Elementary Norse, 3 hours each term }
 †Ger 21, 22, 23. Elementary Swedish, 3 hours each term. } Given alternate years.

Greek

- †Gr 111, 112, 113. Greek Literature, hours to be arranged.
 †Gr 1, 2, 3. Beginning Greek, 4 hours each term.
 †Gr 51, 52, 53. Xenophon, Plato, and Homer, 4 hours each term.

Latin

- †Lat 101, 102, 103. Latin Literature: the Augustan Age, 3 hours each term.
 †Lat 201, 202, 203. Latin Literature: the Silver Age, 3 hours each term.
 †Lat 1, 2, 3. First Year Latin and Caesar, 4 hours each term.
 †Lat 4, 5, 6. Cicero and Vergil, 4 hours each term.
 †Lat 211, 212, 213. Latin Literature: Comedy, 3 hours each term.

Romance Languages

FRENCH

- RL 101, 102, 103. French Literature, 3 hours each term.
 RL 201, 202, 203. French Literature, 3 hours each term.
 †RL 204, 205, 206. Seventeenth Century French Literature, 3 hours each term.
 RL 1, 2, 3. First Year French, 4 hours each term.
 RL 4, 5, 6. Second Year French, 4 hours each term.
 †RL 7, 8. First Year French, 6 hours each term, second and third terms.

SPANISH

- RL 107, 108, 109. Spanish Literature, 3 hours each term.
 RL 207, 208, 209. Spanish Literature, 3 hours each term.
 RL 11, 12, 13. First Year Spanish, 4 hours each term.
 RL 14, 15, 16. Second Year Spanish, 4 hours each term.
 †RL 17, 18. First Year Spanish, 6 hours each term, second and third terms.

ITALIAN

- †RL 31, 32, 33. First Year Italian, 3 hours each term.
 †RL 34, 35, 36. Second Year Italian, 3 hours each term.

PHYSICAL SCIENCE GROUP

Chemistry

- Ch 101, 102, 103. Physical Science Survey, 4 hours each term.
 Ch 201, 202, 203. Elementary General Chemistry, 3 hours (Corvallis), 4 hours (Eugene), each term.
 Ch 204, 205, 206. General Chemistry, 5 hours (Corvallis), 4 hours (Eugene), each term.
 *Ch 208, 209. General Chemistry, 5 hours second and third terms.
 †Ch 220. Continuation Chemistry, 4 hours first term.

- *Ch 221. Organic Chemistry, 5 hours first term.
- Ch 226, 227. Organic Chemistry, 5 hours each term, first and second terms (Corvallis); 4 hours two terms (Eugene).
- Ch 231. Qualitative Analysis, 4 hours first term (Eugene), 3 to 5 hours first term (Corvallis).
- Ch 232. Quantitative Analysis, 5 hours second or third term.
- Ch 233. Quantitative Analysis, 3 to 5 hours third term.
- *Ch 251. Elementary Biochemistry, 5 hours second or third term.

Geology

- G 101, 102, 103. Physical Science Survey, 4 hours each term.
- G 201, 202. General Geology, 3 hours each term, first and second terms.
- G 203. Historical Geology, 3 hours third term.
- G 204, 205. General Geology Laboratory, 1 hour each term, first and second terms.
- G 206. Historical Geology Laboratory, 1 hour third term.
- G 280. Introduction to Field Geology, hours to be arranged.

Mathematics

- †Mth 104, 105, 106. Unified Mathematics, 4 hours each term.
- †Mth 104, 105, 108. Unified Mathematics, 4 hours each term.
- Mth 105, 106, 107. Unified Mathematics, 4 hours each term.
- †Mth 105, 106, 108. Unified Mathematics, 4 hours each term.
- *Mth 108. Mathematics of Finance, 4 hours one term.
- Mth 109. Elements of Statistics, 4 hours (Corvallis), 3 hours (Eugene), one term.
- †Mth 200. Analytical Geometry, 4 hours first term. (For students entering with advanced algebra and geometry; may be applied to satisfy group requirements in combination with Mth 201, 202.)
- †Mth 201, 202. Differential and Integral Calculus, 4 hours each term, second and third terms.
- Mth 201, 202, 203. Differential and Integral Calculus, 4 hours each term.
- *Mth 204, 205, 206. Differential and Integral Calculus, 4 hours each term.
- *Mth 24. Algebra, no credit, first term.
- *Mth 25. Corrective Algebra, no credit, first term.
- *Mth 111. Algebra, 3 hours one term.
- *Mth 121, 122, 123. Trigonometry and Elementary Analysis, 5 hours each term.
- *Mth 131, 132, 133. Mathematical Analysis, 5 hours each term.
- †Mth 214. Higher Algebra (1932-33), 3 hours one term.
- †Mth 215. Analytical Trigonometry (1932-33), 3 hours one term.
- †Mth 216. Synthetic Geometry, 3 hours one term.
- †Mth 217. Elements of Projective Geometry, 3 hours one term.
- †Mth 219. History of Elementary Mathematics (1932-33), 3 hours one term.

Physics

- Ph 101, 102, 103. Physical Science Survey, 4 hours each term.
- Ph 201, 202, 203. General Physics, 4 hours each term.
- *Ph 205, 206. General Physics, 5 or 6 hours each term, second and third terms.
- *Ph 111, 112, 113. Engineering Physics, 3 hours each term.
- *Ph 114. General Physics, 3 hours first term.
- Ph 161. Rudiments of Photography, 2 hours one term.
- Ph 211, 212, 213. Advanced Physics, 3 hours each term.
- *Ph 214. Physics for Home Economics Students, 5 hours one term.
- †Ph 246. Sound, 3 hours second term.
- *Ph 261, 262, 263. Photography, 3 hours each term.
- *Ph 281. Laboratory Arts, hours to be arranged.
- Ph 291. Meteorology, 3 hours one term.
- Ph 293. Descriptive Astronomy, 3 hours third term (Corvallis), one term (Eugene).
- †Ph 396. Practical Astronomy, 3 hours 1 term.

SOCIAL SCIENCE GROUP

Social Science

SSc 101, 102, 103. Background of Social Science, 3 hours each term.

Ed 101, 102, 103. Education Orientation, 3 hours each term. (Applicable in satisfying group requirements for Social Science group. Students may substitute HAd 101 for Ed 103.)

Economics

Ec 201, 202, 203. Principles of Economics, 3 hours each term.

*Ec 211. Outlines of Economics, 4 hours any term.

Geography

†Geo 205, 206, 207. Introductory Geography, 3 hours each term.

†Geo 208, 209, 210. Laboratory Exercises, 1 hour each term.

History

*Hst 201, 202, 203. History of Western Civilization, 3 hours each term.

†Hst 204, 205, 206. World History, 4 hours each term.

†Hst 207, 208, 209. English History, 3 hours each term.

*Hst 207, 208. England and the British Empire, 3 hours first and second terms.

*Hst 209. World War and Reconstruction, 3 hours each term.

*Hst 224, 225, 226. History of America, 3 hours each term.

} Hst 207, 208, 209 constitute a year-sequence.

Philosophy

†Phl 201, 202, 203. Introduction to Philosophy, 3 hours each term.

†Phl 112, 113, 114. Introduction to Reflective Thinking, 3 hours each term.

Political Science

PS 201, 202, 203. Modern Governments, 4 hours each term.

Psychology

Psy 201, 202, 203. Elementary Psychology, 3 hours each term.

Psy 204, 205, 206. Elementary Psychology Laboratory, 1 hour each term.

*Psy 111. Mental Hygiene, 3 hours any term. (No credit allowed to students who have taken Ed 101.)

*Psy 112, 113, 114. Introduction to Reflective Thinking, 3 hours each term.

*Psy 211. Outlines of Psychology, 4 hours any term.

*Psy 212, 213, 214. Logic, 3 hours each term.

Sociology

Soc 201, 202, 203. Elements of Sociology, 3 hours each term.

*Soc 211. General Sociology, 4 hours any term.

†Soc 224. Elements of Statistics, 3 hours any term.

College of Arts and Letters

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

*ARNOLD BENNETT HALL, J.D., LL.D., President of the University.

CLARENCE VALENTINE ROYER, Ph.D., Dean and Director of Arts and Letters.

EARL MANLEY PALLET, Ph.D., Executive Secretary and Registrar of the University.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

ERWIN BERTRAN LEMON, B.S., Registrar of the State College.

EDITH KING FLEMING, Secretary to the Dean.

English

ECCEKE

CLARENCE VALENTINE ROYER, Ph.D., Professor of English; Head of Department.

HERBERT CROMBIE HOWE, B.L., A.B., Professor of English.

WILLIAM FRANKLIN GOODWIN THACHER, M.A., Professor of English.

JULIA BURGESS, M.A., Professor of English.

MARY HALLOWELL PERKINS, M.A., Professor of English.

RUDOLF HERNERT ERNST, Ph.D., Professor of English.

SAMUEL STEPHENSON SMITH, B.A., B.Litt. (Oxon.), Associate Professor of English.

OTILIE TURNBULL SEYBOLT, A.M., Associate Professor of English; Director of Dramatics.

ALICE HENSON ERNST, M.A., Assistant Professor of English.

ROBERT DEWEY HORN, Ph.D., Assistant Professor of English.

EDWARD CHRISTIAN ALAN LESCH, Ph.D., Assistant Professor of English.

ERNEST GEORGE MOLL, A.M., Assistant Professor of English.

GEORGE WILLIAMSON, Ph.D., Assistant Professor of English.

*LESLIE LISLE LEWIS, M.A., Assistant Professor of English.

JOHN LAURENCE CASTEEL, M.A., Assistant Professor of English; Director of Speech Division.

WALFRED ANDREW DAHLBERG, M.A., Assistant Professor of Speech.

PAT VICTOR MORRISSETTE, M.A., Assistant Professor of English.

LAWRENCE KENNETH SILUMAKER, M.A., Supervisor of English Bureau.

GEORGE LESLIE ANDREINI, A.B., Instructor in Dramatics.

MARGARET CLARKE, M.A., Instructor in English and Director of English Extension Division.

WENDELL BRISTOW SMITH, B.A., Graduate Assistant in English.

*On leave of absence.

PAUL EDWIN HARTMUS, B.A., Graduate Assistant in English.
 JOHN BRUCE JENNINGS, M.A., Graduate Assistant in English.
 GRENVILLE CARLTON JONES, B.A., Graduate Assistant in English.
 EDWARD DOMINICUS KITTOE, B.A., Graduate Assistant in English.
 PADRAIC MERRICK, B.A., Graduate Assistant in English.
 ROBERT TARBELL OLIVER, B.A., Graduate Assistant in English.
 JACK WILLIAM DUNBAR, Graduate Assistant in English.
 HARRY LANCASTER, B.S., Graduate Assistant in English.
 WILLIAM CLAIRE MCKENNON, B.A., Graduate Assistant in English.
 HENRY PETTIT, B.A., Graduate Assistant in English.
 FLORENCE THOMPSON, B.A., Graduate Assistant in English.
 HOPE SHELLEY, B.A., Graduate Assistant in English.
 MARGARET LENORE WILEY, M.A., Graduate Assistant in English.
 BERTRAND EVANS, B.S., Graduate Assistant in English.
 RUTH JACKSON, M.A., Teaching Fellow in English.

CORVALLIS

†FREDERICK BERCHTOLD, A.M., Professor of English.
 MAHLON ELLWOOD SMITH, Ph.D., Professor of English.
 CHARLES BUREN MITCHELL, M.A., Professor of Speech.
 SIGURD HARLAN PETERSON, Ph.D., Associate Professor of English.
 ELIZABETH MARIA BARNES, B.L.I., Associate Professor of Dramatics.
 JOHN M KIERZEK, Ph.D., Associate Professor of English.
 EARL WILLIAM WELLS, J.D., Associate Professor of Speech.
 GERTRUDE ELIZABETH McELFRESH, A.M., Assistant Professor of English.
 DANIEL THOMAS ORDEMAN, Ph.D., Assistant Professor of English.
 RALPH COLBY, Ph.D., Assistant Professor of English.
 LAURIN BURTON BALDWIN, A.M., Assistant Professor of English.
 HERBERT BENJAMIN NELSON, M.A., Instructor in English.
 DELOSS PALMER YOUNG, B.S., Instructor in Speech and Dramatics.
 DONALD WILLIAM EMERY, M.A., Instructor in English.
 PAUL XENOPHON KNOLL, M.S., Instructor in Speech.
 JOHN CLEMENT McCLOSKEY, M.A., Instructor in English.
 GRAHAM MCFARLAND DRESSLER, A.M., Instructor in English.

Germanic Languages

EUGENE

FRIEDRICH GEORG GOTTLOR SCHMIDT, Ph.D., Professor of Germanic Languages and Literature; Head of Department.
 EDMUND PHILIPP KREMER, J.U.D., Associate Professor of Germanic Languages and Literature.
 ERIC ALFRED POLLARD, Ph.D., Assistant Professor of German.
 LAURENCE E FRAZIER, B.A., Graduate Assistant in German.

†On part time 1932-33.

CORVALLIS

†LOUIS BACH, A.M., Professor of Germanic Languages.

MARY EUNICE LEWIS, M.A., Assistant Professor of Germanic Languages.

ALICE BELLE MYERS, A.M., Instructor in German.

Greek

EUGENE

CLARA ELIZABETH SMERTENKO, Ph.D., Associate Professor of Greek; Head of Department.

EDNA LANDROS, A.M., Assistant Professor of Greek.

Latin

EUGENE

FREDERIC STANLEY DUNN, A.M., Professor of Latin; Head of Department.

CLARA ELIZABETH SMERTENKO, Ph.D., Associate Professor of Latin.

EDNA LANDROS, A.M., Assistant Professor of Latin.

Romance Languages

EUGENE

RAY PRESTON BOWEN, Ph.D., Professor of Romance Languages; Head of Department.

TIMOTHY CLORAN, Ph.D., Professor of Romance Languages.

LEAVITT OLDS WRIGHT, Ph.D., Professor of Romance Languages.

CHANDLER BAKER BEALL, Ph.D., Associate Professor of Romance Languages.

ANNA McFEELY THOMPSON, M.A., Assistant Professor of Romance Languages.

JUAN BAUTISTA RAEL, M.A., Instructor in Romance Languages.

CHRISTINA ADELLA CRANE, M.A., Instructor in Romance Languages.

LOWELL BRYCE ELLIS, A.B., Instructor in Romance Languages.

ANDREW JACKSON MATHEWS, A.M., Instructor in Romance Languages.

CORVALLIS

EDITH CARTER KUNEY, A.M., Associate Professor of Romance Languages.

MELISSA MARGARET MARTIN, A.M., Associate Professor of Romance Languages.

It is the aim of the College of Arts and Letters not only to train students in the use of language as a tool, but to familiarize them with the ideals and life experiences which the nations have expressed in their literatures, to illuminate the mind by increasing knowledge of things in their relations, and to attach the emotions to that which is great and beautiful in human life. Instruction is offered in literature as an art, in

†On part time 1932-33.

philology, creative writing, speech, and dramatics, studies fundamental alike in preparation for various occupations and industries, in the development and expression of personality, and in maintaining and advancing the intellectual, artistic, and social ideals of the race.

The College of Arts and Letters comprises the departments of English, Germanic Languages, Greek, Latin, and Romance Languages. Under the department of English are listed the divisions of Literature, Written English, Speech, and Drama and Play Production. The department of Germanic Languages embraces German, Gothic, Norse, Swedish, and Icelandic. Included in the department of Romance Languages are French, Spanish, Italian, and Portuguese. Lower division work in English, German, French, and Spanish is the same at both Eugene and Corvallis. Upper division and graduate work in these languages and lower division as well as advanced work in the other languages are confined to the Eugene campus. Detailed information concerning the several departments is given under the respective departmental headings.

Admission. Admission to the College of Arts and Letters is on the basis of the Junior Certificate. Students planning to major in Arts and Letters take the first two years of their work in Lower Division, designating Humanities as their "group" of principal interest. As part of the two years' work in Lower Division, the student takes a freshman and a sophomore course in this principal-interest group.

Requirements for Degrees. Degrees offered by the College of Arts and Letters are *B.A.*, *M.A.*, and *Ph.D.* Requirements for the bachelor's degree are stated on pages 29-30. Requirements for the M.A. and Ph.D. degrees are stated in the graduate section of the catalog. Attention of the student is directed particularly to the requirement of two years (normally 24 term hours) in a foreign language if the language has been taken in high school, or three years (normally 33 term hours) if the language has not been taken in high school. This is the minimum requirement; more advanced study is demanded of students majoring in one of the foreign language departments. Attention is also called to the provision that the student must satisfy the requirements of his major department. Major requirements are indicated in the curricula below and under the respective departmental headings. Students expecting to teach should note the requirements of the School of Education under the heading *NORMS*.

Equipment. The libraries on both campuses are thoroughly equipped with standard works and periodicals for studies in all the languages and literatures offered during the first two years. At Eugene, an excellent library for advanced and graduate students in special fields has been built up over a long period of years in response to the demand for scholarly editions, rare prints, and learned periodicals. A special stage and auditorium for dramatics, stage settings, costumes, and other necessary equipment for the effective presentation of plays are available both at Eugene and at Corvallis. For work in speech on both campuses charts, models, voice-reproduction machines, and other equipment are maintained suitable to the study and cultivation of the voice and the remedy of speech defects.

Curricula in Arts and Letters

B.A., M.A., Ph.D. Degrees

English
Literature
Drama and Play Production
Germanic Languages and Literature

Greek
Latin
Romance Languages

CURRICULA FOR MAJOR STUDENTS IN ENGLISH

ENGLISH LITERATURE OPTION

	Freshman Year		
	1st	2d	3d
¹ Survey Course in English Literature or Introduction to Literature or Appreciation of Literature.....	4	4	4
Greek, Latin, French, or German.....	4	4	4
English History, Background of Social Science, Survey of Physical Sciences, or Elementary Biology.....	3-4	3-4	3-4
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
² English Composition (Eng 111, 112, 113).....	2	2	2
	15-16	15-16	15-16
Sophomore Year ²			
Shakespeare.....	3	3	3
Greek, Latin, French or German (continuation).....	3-4	3-4	3-4
³ English, History or Science.....	3-4	3-4	3-4
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
⁴ American Literature (one term) or electives.....	2	2	2
Electives.....	3	3	3
	17-18	17-18	17-18
Junior Year			
English Novel, English Drama, or other 400-sequence course.....	3	3	3
⁴ English Composition for Teachers (any term) or elective.....	3	3	3
⁴ Education.....	4	4	4
Honors Reading ⁵ or elective.....	3	3	3
Electives.....	4	4	4
	16	16	16
Senior Year			
English Novel, English Drama, or other 400-sequence course.....	3	3	3
Anglo Saxon, ⁶ Chaucer, ⁶ or elective.....	3	3	3
Honors Reading ⁵ (seminar) or elective.....	3	3	3
⁴ Education (Ed 306, 307).....	5-7	5-7	5-7
Thesis ⁷ or elective.....	2-3	2-3	2-3
	16-19	16-19	16-19

DRAMA AND PLAY PRODUCTION OPTION

Freshman Year			
The Speaking Voice or Interpretation.....	3	3	3
Greek, Latin, French, or German.....	4	4	4
Survey Course in English or Introduction to Literature.....	4	4	4
Physical Education.....	1	1	1
Military Science (men) or Personal Hygiene (women).....	1	1	1
² Year-sequence applicable in satisfying group requirements in Biological Science, Physical Sciences, or Social Science group.....	3-4	3-4	3-4
English Composition (Eng 111, 112, 113).....	2	2	2
	16-17	16-17	16-17

¹Introduction to Literature is open only to those not intending to major in literature.
²Students who have not taken Eng 111, 112, 113 in the freshman year take it in the sophomore year.

³History or science must be taken during the first two years. The order in which they are taken is optional.

⁴Required of those intending to teach.

⁵For candidates for honors.

⁶Recommended to major students planning to take graduate work in English.

	Term hours		
	1st	2d	3d
Sophomore Year¹			
Interpretation, Theater Workshop or Speaking Voice.....	3	3	3
Shakespeare.....	3	3	3
Greek, Latin, French, or German (continuation).....	3-4	3-4	3-4
² Year-sequence applicable in satisfying group requirements in Biological Science, Physical Science, or Social Science group.....	3-4	3-4	3-4
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
	14-16	14-16	14-16
Junior Year			
Technique of Acting or Play Production.....	3	3	3
Stage Design or elective.....	2-3	2-3	2-3
Playwriting or elective.....	2-3	2-3	2-3
English Drama or elective.....	2-3	2-3	2-3
Elective.....	4-5	4-5	4-5
	13-17	13-17	13-17
Senior Year			
Technique of Acting or Play Production.....	3	3	3
English Drama or elective.....	3	3	3
Guild Hall Players or elective.....	9-11	9-11	9-11
	15-17	15-17	15-17

PRE-LIBRARY OPTION

The University of Oregon does not at the present time (except in the summer session) offer courses in library training. Those who plan to become librarians should, however, have a broad general education, and since most of the better class of library training schools require a college degree for entrance, the following course of study has been planned in conformity with the requirements for admission of these schools. It is recommended that only students who have a scholarship record which makes them eligible for honors should consider entering the field of librarianship.

Since it is essential that library workers have a reading knowledge at least of French and German it is recommended that not less than two years of each of these languages be taken in college. A knowledge of Latin is also desirable.

The use of the typewriter by the touch system should be learned, preferably in high school, by all persons planning to go into library work.

	Term hours		
	1st	2d	3d
Freshman Year			
Survey course in English Literature.....	4	4	4
French, Latin, or German.....	4	4	4
Second Foundation Courses.....	3-4	3-4	3-4
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
English Composition (Eng 111, 112, 113).....	2	2	2
	15-16	15-16	15-16

Suggested Electives: American Literature—American Poets.
The Speaking Voice or Introductory Course in Speech.
Elementary Newswriting and Proof Reading.
Elementary Biology.
English History.

	Term hours		
	1st	2d	3d
Sophomore Year¹			
French, Latin, or German.....	4	4	4
Shakespeare.....	3	3	3
Psychology or Third Foundation Courses.....	3-4	3-4	3-4
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
Electives.....	3-4	3-4	3-4
	15-17	15-17	15-17

Suggested Electives: English History.
Principles of Economics.
Modern Governments.
Reflective Thinking.
World History.
Living Writers.

¹Students who have not taken Eng 111, 112, 113 in the freshman year take it in the sophomore year.

²Social science and science must be taken during the first two years. The order in which they are taken is optional.

	Term hours		
	1st	2d	3d
Junior Year			
Literature Course (upper division), English Drama.....	3	3	3
Language Requirements.....	3-4	3-4	3-4
Criticism.....	2	2	2
Honors Reading or elective.....	8-10	8-10	8-10
	16-19	16-19	16-19

Suggested Electives: Modern Europe.
Cultural Anthropology.
Organic Evolution.
Reference and Book Selection.
American Novel.
Scandinavian Literature.
Literature of the Ancient World.

Senior Year			
	1st	2d	3d
English Novel.....	3	3	3
History of Philosophy.....	3	3	3
English Criticism.....	3	3	3
Elective or Honors Reading.....	6-9	6-9	6-9
	15-18	15-18	15-18

Suggested Electives: Literature of the Renaissance.
Nineteenth Century Prose.
History of the Middle Ages and the Renaissance.
Political Parties, City Government, and Political Theory.
Eighteenth Century Literature.

CURRICULUM FOR MAJOR STUDENTS IN GERMAN

The suggested curriculum can be adjusted to suit student's needs. Courses in Education must be taken if the student intends to teach in high schools.

	Term hours		
	1st	2d	3d
Freshman Year			
German.....	4	4	4
Science (laboratory) or Modern Governments or History.....	3-4	3-4	3-4
Survey Course in English Literature.....	4	4	4
English Composition (Eng 111, 112, 113).....	2	2	2
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
	15-16	15-16	15-16

Sophomore Year ¹			
	1st	2d	3d
German (continuation).....	3-4	3-4	3-4
Second language—Latin, Scandinavian or Romance.....	3-4	3-4	3-4
History or Economics.....	4	4	4
Military Science (men).....	1	1	2
Physical Education.....	1	1	1
Electives.....	3	3	3
	16-17	16-17	16-17

Junior Year			
	1st	2d	3d
German (continuation).....	2-3	2-3	2-3
Additional courses in German.....	3	3	3
Second language—Latin, Scandinavian or Romance.....	3-4	3-4	3-4
Philosophy, Psychology, Sociology, or English.....	3	3	3
Education or elective.....	4	4	4
	15-17	15-17	15-17

¹Students who have not taken Eng 111, 112, 113 in the freshman year take it in the sophomore year.

	Term hours		
	1st	2d	3d
Advanced courses in German.....	5-6	5-6	5-6
Second language (continuation of previous two years).....	3	3	3
Electives (advanced courses in Philosophy, education or literature recommended).....	7-9	7-9	7-9
	15-17	15-17	15-17

CURRICULUM FOR MAJOR STUDENTS IN LATIN

Freshman Year

Latin Literature; The Augustan Age (Lat 101, 102, 103).....	3	3	3
Latin Literature; Comedy (Lat 211, 212, 213).....	3	3	3
Physical or Biological Science or European or English History.....	3-4	3-4	3-4
English Composition (Eng 111, 112, 113).....	2	2	2
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
	13-14	13-14	13-14

Sophomore Year¹

Latin Literature: The Silver Age (Lat 201, 202, 203).....	3	3	3
Latin Literature: The Elegy (Lat 314, 315, 316).....	3	3	3
First or second year Greek or French.....	4	4	4
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
Elective.....	2-3	2-3	2-3
	16-17	16-17	16-17

Junior Year

Latin Literature: Satire (Lat 413, 414).....	3	3	...
Tacitus, The Annals (Lat 415).....	...	...	3
Latin Literature: Tragedy (Lat 411, 412).....	3	3	...
Continuation of language of sophomore year.....	4	4	4
Ancient History.....	3	3	3
Education or elective.....	3	3	6
	16	16	16

Senior Year

Latin Pedagogy (Lat 353).....	3	...	...
Topography of Rome (Lat 451).....	3	...	...
Mythology (Lat 452).....	...	3	...
Latin Literature; the Historians (a course in the original) (Lat 461, 462, 463).....	3	3	3
Continuation of minor language.....	3	3	3
Literature of the Ancient World (Lat 208, 209, 210).....	2-3	2-3	2-3
Education or elective.....	1	4	7
	15-16	15-16	15-16

CURRICULUM FOR MAJOR STUDENTS IN ROMANCE LANGUAGES

Freshman Year

	Term hours		
	1st	2d	3d
French or Spanish.....	3-4	3-4	3-4
Second Foreign Language.....	3-4	3-4	3-4
Mathematics or Biological Science or English Survey.....	3-4	3-4	3-4
English Composition (Eng 111, 112, 113).....	2	2	2
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
	15-16	15-16	15-16

¹Students who have not taken Eng 111, 112, 113 in the freshman year take it in the sophomore year.

	Term hours		
	1st	2d	3d
Sophomore Year¹			
French or Spanish (continued).....	3-4	3-4	3-4
Second Foreign Language.....	3-4	3-4	3-4
Science or Social Science.....	3-4	3-4	3-4
Economics or Psychology.....	3-4	3-4	3-4
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
	16	16	16
Junior Year			
Major Language.....	3-6	3-6	3-6
Second Romance Language.....	3-6	3-6	3-6
English Literature.....	3	3	3
Electives, a norm, or Education.....	3-6	3-6	3-6
	15-17	15-17	15-17
Senior Year			
Romance Language Courses.....	8-11	8-11	8-11
Electives, a norm, or Education.....	6-7	6-7	6-7
	16	16	16

English

INSTRUCTION in English is organized under Literature, Written English, Speech, and Drama and Play Production. Lower division work in all these subjects is offered at both Eugene and Corvallis. Upper division and graduate work is offered only at Eugene.

The lower division courses in English are intended to supply the training in writing necessary to every educated man, to afford a cultural background for those students who are limited to two years of work in the field of English, and to present the necessary foundation work for the continuation of English as a major on the Eugene campus.

Literature. The function of English literature so nearly coincides with that of the College of Arts and Letters itself as to need no repetition. The study of literature as arranged by the department begins with an introduction in the form of either a historical presentation of the tradition of English literature or an examination of the motives and ideas of literature. This is followed by a more detailed study of periods, epochs, and centuries of English literary movements; a careful analysis of the chief literary forms such as the novel, drama, and poetry; and a more intensive study of the major authors. The work is conducted by means of lectures, discussion groups, and seminars.

Written English. The purpose of the study and practice of written English is technical accuracy in the fundamental forms of composition, the development of the power of expression, and the survey of special art forms such as versification, play-writing, and short story. The curriculum provides work for beginners as well as advanced criticism for the mature artist.

Speech. The purpose of the instruction in speech is to aid students in the development of clear, original thinking and to give training in the

¹Students who have not taken Eng 111, 112, 113 in the freshman year take it in the sophomore year.

correlation, organization, and public presentation of knowledge gained through study and experience. Much drill and criticism are given on organization of material, on platform work, and on the principles that underlie effective reading and speaking. The training goes far in helping to overcome self-consciousness and in aiding to build up a strong personal address.

Courses in speech are required in a number of technical curricula. Such training is regarded as of great value to all students preparing for leadership in any field, including prospective teachers of vocational subjects, agricultural agents, home demonstration agents, club leaders, directors of community entertainments, homemakers, and others.

Speech Correction. A clinic is maintained by the department for those who are handicapped with the various speech impediments, such as stammering, lisping, nasality, and the like. Advice and treatment are given for both organic and functional difficulties. An attempt is made to understand the factors in the life of the individual which have caused his emotional difficulties, and when they are located an attempt is made to eradicate them. For each student wishing to take this work individual conferences are given during which his speech difficulties receive special consideration.

Drama and Play Production. Courses in dramatics are intended to train the voice and the body for the interpretation of literature, to give instruction in stage design, to assist school teachers and community leaders in the coaching of plays and in the making of stage-sets, costumes and other necessary equipment. The courses at Corvallis, besides meeting the needs of students in the various curricula on that campus, also lay the necessary foundation for more advanced work on the Eugene campus. The upper division work at Eugene serves the need of students in all departments and in addition prepares talented students for a career.

English K. All entering students are required to take an examination in English. Those who fail in this examination are enrolled in a writing course called English K, the object of which is the diagnosis and correction of defects manifested in the entrance examination. Those who pass the examination enter the regular freshman course (Eng 111, 112, 113).

General Requirements for a Major. For a major in English a student must meet the following requirements:

(1) Students are required to take Greek, Latin, French, or German during both the freshman and sophomore years. This means two successive years in one of the four languages.

(2) History (English or European) and a laboratory science.

(3) Majors intending to teach must satisfy the education and norm requirements. (See School of Education.)

(4) At least two courses from the 400 numbers in the upper division courses, each of which forms a year's sequence amounting to 9 hours. One of the two should be either English Novel or English Drama.

(5) Variable term-hours are indicated after courses open to honors candidates. Students not working for honors will register for minimum term-hours.

Recommendations. The following courses are especially recommended as electives from other departments:

Philosophy of History (Phl 441, 442, 443), History of Philosophy (Phl 341, 342, 343), Aesthetics, Organic Evolution (Z 215), Psychology, Economic History (Ec 474), Sociology.

COURSES AT EUGENE

LOWER DIVISION COURSES

*Eng 101, 102, 103. **Literature Survey.** Three terms, 4 hours each term.

From Beowulf to the present. Each epoch is studied by reading representative authors, supplemented by lectures. First term: Beowulf to Edmund Spenser. Second term: the seventeenth and eighteenth centuries. Third term: 1800 to the present. Courses in sequence, but may be taken separately. Four lectures or recitations. Professor Howe, Assistant Professors Horn, Lesch, and Williamson.

*Eng 104, 105, 106. **Introduction to Literature.** Three terms, 4 hours each term.

The purpose is to stimulate the appreciation and criticism of literature. Study of some masterpieces in ancient, modern, and contemporary literature. Four lectures or recitations. Professor Ernst.

Eng 107, 108, 109. **The Appreciation of Literature.** Three terms, 4 hours each term.

This course is frankly experimental, the end in view being to stimulate the enjoyment of literature by other than the traditional methods. So-called good and bad poetry will be compared, the choices being largely made from present-day writers, and standards of choice discussed. The relation of literature to the other arts will also be touched on. Intended to meet the needs of a wide range of ability and training. No prerequisite. Four lectures or recitations. Assistant Professor Moll.

Eng 201, 202, 203. **Shakespeare.** Three terms, 3 hours each term.

Study of the important historical plays, comedies and tragedies. Courses in sequence, but may be taken separately. Prescribed for majors. Three lectures or recitations. Assistant Professors Horn, Lesch, and Williamson, Miss Clarke.

Eng 208, 209, 210. **Literature of the Ancient World.** Three terms, 2 or 3 hours each term.

Greek, Latin, and Hebrew writers considered with especial reference to their influence on English literature. Credit according to work done by student. Lectures. Associate Professor Smertenko.

*Credit is not given for both Eng 101-103 and Eng 104-106.

Literature

Eng 160. **History of the English Language.** Third term, 3 hours.

The development of the English language from the Anglo-Saxon period to the present. The historical basis of English grammar, spelling, pronunciation, and usage. Three lectures. Professor Perkins.

Eng 161. **American Literature.** Any term, 3 hours.

Study of American literature from its beginning to the present day. Lectures and assigned readings. Three lectures. Professor Burgess.

Eng 162. **English Poetry.** Second term, 3 hours.

Classroom practice in reading aloud. Credit will be given for one term only. Three recitations. Professor Howe.

Eng 163. **Wordsworth.** Third term, 3 hours.

A study of the poems, so selected as to illustrate the thought, power, and beauty of the author. Three lectures or recitations. Professor Howe.

Eng 164. **William Morris.** First term, 3 hours.

A study of the life and writings, both prose and verse. Three lectures. Professor Howe.

Eng 168, 169. **Contemporary Literature.** First and second terms, 3 hours each term.

The purpose is to awaken interest in literature through the contemporary, and to offer guidance through the present-day field where books of criticism are scarce. Not offered 1932-33. Three lectures or recitations. Staff.

Eng 260. **Ruskin.** Third term, 3 hours.

A study of the modern painters, planned to familiarize the student with the use of critical terms, as well as with masterly English prose. Not offered 1932-33. Three lectures or recitations. Professor Howe.

Eng 261, 262, 263. **The English Essay.** Three terms, 3 hours each term.

Not offered 1932-33. Three lectures or recitations. Staff.

Eng 264, 265, 266. **Literature of the Modern World.** Three terms, 2 or 3 hours each term.

The Renaissance in Italy, France, Spain, and England; Pascal and Puritanism in England; French and English Classicism; the novel and other prose forms; the romantic revolt; Victorian literature; Parnassians and Symbolists; Ibsen and the modern drama; some consideration of recent development in literature. Two lectures or recitations. Professor Ernst.

Eng 267, 268, 269. **Classical, Romantic, and Victorian Poets.** Three terms, 3 hours each term.

Three lectures or recitations. Assistant Professor Moll.

Eng 271, 272, 273. **American Poets.** Three terms, 2 hours each term.

Two lectures or recitations. Professor Burgess.

Written English

English K. First or second term, 1 hour.

A one-term course in the mechanics of English for those who fail to pass the entrance English examination. The student must pass the entrance English examination or English K before he is permitted to register for any other written English course. Two recitations. Mr. Shumaker.

Eng 111, 112, 113. **English Composition.** Three terms, 2 hours each term.

A year course in the fundamentals of English composition and rhetoric, with frequent written themes in the various forms of discourse. Special attention is paid to correctness in fundamentals and to the organization of papers.

Note: All students registering in Eng 111 are required to have passed the placement examination given the first of the term. Students failing to make an average of C or better in English Composition are required to pass a further examination in ability to write English before becoming eligible for the Junior Certificate.

Prerequisite: English placement examination. Two recitations. Professor Perkins; Assistant Professors Ernst, Horn, Lesch, Moll, Williamson, Morrisette, Misses Jackson, Thompson, Wiley, Messrs. Kittoe, Merrick, Shumaker, Smith, Jennings, Pettit.

Eng 211. **Essay Writing.** Any term, 3 hours.

An advanced course in composition devoted to the study and perfection of style, and to the study of the various forms and models of the essay. Prerequisites: Eng 111, 112, 113. Three recitations. Staff.

Eng 212. **Advanced Essay Writing.** Second or third term, 3 hours.

An advanced study of the essay for those interested in the problems of creative expression and prose style. Prerequisite: Eng 211. Three recitations. Staff.

Eng 213, 214, 215. **Short Story Writing.** Three terms, 2 hours each term.

Designed to develop proficiency in the art of writing the short story. Prerequisite: consent of instructor. Two recitations. Professor Thacher.

Eng 217. **Business English.** Any term, 3 hours.

A complete review and study of modern practices in business correspondence, organized primarily for students of Business Administration. Attention is paid to the analysis and to the writing of all types of correspondence. Prerequisites: Eng 111, 112, 113. Three recitations. Assistant Professor Morrisette and staff.

Speech

Eng 130, 131, 132. **Extempore Speaking.** Three terms, 3 hours each term.

First term: study of elementary problems that confront the

speaker, such as selection of subject, development of speech purpose, and organization of materials. Adjustment in delivery made through classroom speeches. Second term: development of effective delivery; communication, proper bodily action, poise and flexibility, and purity and variety in the use of voice. Principles of organization and of materials. Third term: application of the principles of composition and delivery to speech situations; conferences, speeches of courtesy, occasional speeches, and after-dinner speaking. Much practice in the delivery of these types. Three recitations. Assistant Professors Casteel and Dahlberg.

Eng 136. Parliamentary Procedure. Third term, 1 hour.

A short course in parliamentary practices indispensable to the conduct of any business meeting. The class is organized as an assembly, with every member taking part in the capacity of secretary, chairman, and speaker from the floor. Much impromptu speaking. Two recitations. Assistant Professor Casteel.

Eng 230. Argumentation. First or third term, 3 hours.

The principles of argumentation and logic are studied and applied to speech situations; analysis of propositions, evidence, reasoning, fallacies, and methods of adapting arguments to the audience developed through research, briefing, and speeches. Prerequisite: Eng 130. Three recitations. Assistant Professor Dahlberg.

Eng 233. Platform Speaking. First or third term, 3 hours.

A course to extend the principles of Extempore Speaking (Eng 130, 131, 132) and to develop a high degree of platform proficiency, through the study of speech notes, details of speech materials, analysis of the audience. Speech situations frequently met by business and professional men are prepared for by practice in the good-will speech, the expository talk, the convention speech, etc. Prerequisites: Eng 130, 131, 132. Three recitations. Assistant Professor Casteel.

Drama and Play Production

Eng 141, 142, 143. The Speaking Voice. Three terms, 3 hours each term.

Study and practice of the principles of tone production; the development of breath control, tone support, range and resonance with freedom from nasality, harshness, and other abnormal qualities. The phonetic analysis of English sounds as a basis for pronunciation and for the development of clear and effortless enunciation. Prerequisite: consent of instructor. Three lectures or recitations. Associate Professor Seybolt.

Eng 241, 242, 243. Interpretation. Three terms, 3 hours each term.

Study and oral interpretation of poetry, drama, and narrative, with emphasis on character analysis. Prerequisite: consent of instructor; open to freshmen by permission. Three recitations or lectures. Mr. Andreini.

Eng 244, 245, 246. **Theater Workshop.** Three terms, 2 or 3 hours each term.

Planning and construction of stage settings, costumes, properties; principles of lighting; the mechanics of the physical stage. Practical experience is provided in connection with the production of plays. Prerequisite: consent of instructor. Two or three hours of laboratory work. Mr. Andreini.

UPPER DIVISION COURSES

Literature

Eng 305. **Honors Reading.** Any term, 3 or 4 hours.

Pro-seminar. Junior year. Three recitations. Department staff.

Eng 361, 362, 363. **Living Writers.** Three terms, 3 hours each term.

Kipling, Bernard Shaw, H. G. Wells, Arnold Bennett, Galsworthy, Chesterton, Gordon, Bottomley, Dunsany, Kay-Smith, May Sinclair, and others as they appear. Three lectures or recitations. Professor Howe.

Eng 364, 365, 366. **Contemporary European Literature.** Three terms, 3 hours each term.

European literature of the last fifty years, with special emphasis on Ibsen and the Russians. Not offered 1932-33. Three lectures or recitations. Professor Howe.

Eng 367, 368, 369. **History of English Criticism.** Three terms, 2 hours each term.

First term: Neo-Classicism in England, with its classical origins. Second term: The Romantic period in criticism. Third term: Victorian and contemporary criticism. Not offered 1932-33. Two lectures or recitations. Professor Burgess.

Eng 370. **Contemporary Poets.** Third term, 2 hours.

Two lectures or recitations. Mr. Morrissette.

Eng 371, 372, 373. **Main Tendencies in Contemporary Literature.** Three terms, 3 hours each term.

The Transition to the temper of contemporary literature: Meredith, Hardy, Kipling; the naturalists, Zola, Hauptmann, Bennett, and others; the "literature of idea," Brieux, France and Shaw; Modern Romanticism, Maeterlinck, Yeats, Hudson, and others; conclusion, Conrad. Not offered 1932-33. Three lectures or recitations. Professor Ernst.

Eng 380. **Browning.** Third term, 3 hours.

Representative readings in the main divisions of Browning's work, including the dramas and the Ring and the Book. Not offered 1932-33. Three lectures or recitations. Staff.

Eng 401. **Thesis for Honors Candidates.** Any term, 1 to 3 hours.

Department staff.

- Eng 405. **Honors Reading.** Any term, 3 or 4 hours.
Pro-seminar. Senior year. Three recitations. Department staff.
- Eng 407. **Seminar in Special Authors.** Hours to be arranged.
Department staff.
- Eng 410. **Chaucer.** First term, 4 hours.
As much of Chaucer's work is read as time permits, with careful attention to his sources, poetical forms, pronunciation, and grammar. Required course for graduate students. Four lectures or recitations. Professor Perkins.
- Eng 411, 412, 413. **Anglo-Saxon.** Three terms, 3 hours each term.
Grammar and translation of selected passages. Beowulf, Judith. Three recitations. Professor Perkins.
- Eng 414, 415, 416. **American Novel.** Three terms, 3 hours each term.
A general survey of American fiction, with detailed study of important authors from Melville, Howells, James, and Twain to the present day. Three lectures. Professor Burgess.
- Eng 417, 418, 419. **Development of the English Language.** Three terms, 3 hours each term.
Anglo-Saxon, Middle English and Modern English. Changes in syntax, phonetics and vocabulary. Not offered 1932-33. Three lectures or recitations. Professor Perkins.
- Eng 420. **The Arthurian Legend in English Literature.** Second term, 3 hours.
A study of the origin and growth of the Arthurian legend with its use as poetic material by English and American writers. Three lectures. Professor Perkins.
- Eng 421, 422. **Spenser.** First and second terms, 3 hours each term.
Not offered 1932-33. Three lectures. Assistant Professor Lesch.
- Eng 424, 425, 426. **Introduction to Linguistics.** Three terms, 2 hours each term.
A scientific study of language. Phonetics. Laws governing the development of language. Methods of comparative philology. (Knowledge of Latin advisable as prerequisite.) Two recitations. Assistant Professor Landros.
- Eng 427, 428, 429. **American Prose Writers.** Three terms, 2 hours each term.
First term: Emerson, Thoreau, Melville, Lowell, Holmes, with some readings from historians. Second term: William James, Santauana, Henry Adams, and others. Third term: American literary criticism. Not offered 1932-33. Two lectures or recitations. Professor Burgess.
- Eng 431, 432, 433. **Eighteenth Century Literature.** Three terms, 3 hours each term.
An attempt to present the prose and poetry of the century in relation to the social, political, and aesthetic ideas which give that century its peculiar character. Lectures or recitations. Assistant Professor Horn.

Eng 434, 435, 436. **English Drama.** Three terms, 3 hours each term.

This course traces the development of English dramatic forms from the beginnings to modern times. First term: medieval to Elizabethan. Second term: 1642 to 1870. Third term: contemporary drama. Three lectures or recitations. Professor Ernst.

Eng 437. **Elizabethan Non-dramatic Literature.** First term, 3 hours.

The great English formative period studied in its poetry and prose from the sonnet to the blank verse of Elizabethan drama, from the famous Elizabethan translations to the prose of Bacon, and connected with the literary background which produced Shakespeare. Three lectures. Assistant Professors Williamson and Lesch.

Eng 441, 442, 443. **The English Novel.** Three terms, 3 hours each term.

From Richardson and Fielding to the present. Three lectures. Professor Boyer.

Eng 444, 445, 446. **Eighteenth Century Prose.** Three terms, 3 hours each term.

The letters, memoirs, and essays from Dryden through Johnson. The rise of the periodical. Voltaire and Casanova in England. Walpole and Sterne in France. Lectures on the philosophical backgrounds from Hobbes to Hume. Dr. Johnson and his circle. Not offered 1932-33. Three lectures. Associate Professor Smith.

Eng 447. **Seventeenth Century Literature—Cavalier and Puritan.** Second term, 3 hours.

The period of Donne, Jonson, and great baroque prose; of the struggle between humanism and puritanism; of the Cavalier poets and the English church fathers; all studied with reference to the permanent attitudes of the human mind and to literary trends in the 17th century. Three lectures. Assistant Professor Williamson.

Eng 448. **Seventeenth Century Literature—The Restoration.** Third term, 3 hours.

English literature from 1660 to 1700, centering in Dryden and connected with the relevant philosophy, science, and literary influences; designed to show literature passing from a court as scandalous as it was gay to the beginnings of the modern world. Three lectures. Assistant Professor Williamson.

Eng 450. **Pope.** First term, 3 hours.

Not offered 1932-33. Three lectures or recitations. Assistant Professor Lesch.

Eng 451, 452. **Milton.** Second and third terms, 3 hours each term.

Not offered 1932-33. Three lectures or recitations. Assistant Professor Lesch.

Eng 454, 455, 456. **Literature of the Medieval World.** Three term, 3 hours each term.

Boethius, St. Augustine, and the other Latin writers of the dark ages. Medieval epics and romances, Icelandic sagas and eddas. The

troubadours and minnesingers. Abelard, Albertus Magnus, Roger Bacon and St. Thomas Aquinas; St. Francis. Fabliaux; Reynard the Fox. The Arthurian Cycle; Dante. The medieval stage, and especially early English drama. Piers' Plowman, Layamon's Brut, and Chaucer. Three lectures or recitations.

Eng 457, 458, 459. **Literature of the Renaissance.** Three terms, 3 hours each term.

Petrarch, Boccaccio, Machiavelli, Ariosto, Castiglione, Cellini, Villon, Rabelais, Montaigne, Ronsard, Cervantes. English lyric from Wyatt through Herrick. Bacon. Elizabethan and Jacobean dramas expressing the Renaissance mood. Three lectures or recitations. Associate Professor Smith.

Eng 460. **Shelley.** Second term, 3 hours.

His most important works are read, with attention to the author's significance as thinker and as poet. Not offered 1932-33. Three lectures. Professor Howe.

Eng 461, 462, 463. **Romantic Revolt (1750-1832).** Three terms, 3 hours each term.

The romantic movement in England, with some reference to parallel developments in French and German literature. Not offered 1932-33. Three lectures. Professor Ernst.

Eng 472. **Jacobean Drama.** Third term, 3 hours.

A study of the dramatists of the period 1603-1642. Not offered 1932-33. Three lectures. Staff.

Eng 481, 482, 483. **Nineteenth Century Prose.** Three terms, 3 hours each term.

Main currents of thought as reflected in Carlyle, Mill, Newman, Ruskin, Huxley, Arnold, Pater. Not offered 1932-33. Three lectures. Professor Boyer.

Eng 485. **Matthew Arnold.** Second term, 3 hours.

A study of his critical and creative work, with particular emphasis on the social background and the influence of his idea upon the thought of the nineteenth and twentieth centuries. Not offered 1932-33. Three lectures. Professor Boyer.

Written English

Eng 311, 312, 313. **Magazine Writing.** Three terms, 2 hours each term.

Advanced work for students interested in creative writing and in the composition of literary material suitable for magazines. Prerequisite: consent of the instructor. Two recitations. Professors Thacher and Perkins.

Eng 314, 315, 316. **Criticism.** Three terms, 2 hours each term.

Book and play reviewing, supplemented by readings from the English critics. Twelve lectures on the great critics, from Aristotle to Croce. Critical work on the psychological novel, modern poetry, and

modern drama. Prerequisite: consent of instructor. Two recitations. Associate Professor Smith.

Eng 317, 318, 319. **Versification.** Three terms, 2 hours each term.

Experiment in the writing of verse, with study of various verse forms as mediums of expression. Analysis and discussion of class work. Open to the freshmen and sophomores with the consent of the instructor. Prerequisite: consent of instructor. Two recitations. Assistant Professor A. Ernst.

Eng 321, 322, 323. **Playwriting.** Three terms, 3 hours each term.

Creative experiment in the writing of plays with incidental study of models. Analysis and class discussion of student work with relation to problems of technique such as plot, theme, dialogue, characterization. Prerequisite: consent of instructor. Three recitations. Assistant Professor A. Ernst.

Eng 324. **English Composition for Teachers.** Any term, 3 hours.

For students expecting to teach English in high schools. Practice in writing and a review of the rules of composition. Prerequisites: Eng 111, 112, 113. Three recitations. Professor Perkins.

Speech

Eng 308. **Intercollegiate Oratory.** Second term, 2 hours.

The presentation and delivery of an oration or formal address as a representative of the university in interscholastic contests and similar formal occasions. Speakers for these contests will be chosen by competitive tryouts. Prerequisites: Eng 130, 131, 132. Two recitations. Assistant Professors Casteel and Dahlberg.

Eng 309. **Intercollegiate Debate.** Second term, 2 hours.

The course is open only to members of the varsity debating squads. Intensive study of the propositions for intercollegiate debates and participation in these debates. Prerequisite: Eng 230. Two recitations. Assistant Professors Casteel and Dahlberg.

Eng 330. **Speech Composition.** First term, 2 hours.

An advanced course in speech composition and theories of speech style. Rhetorical principles will be studied thoroughly and applied in the composition and delivery of speeches. In addition to classroom assignments, each student will produce two addresses of at least two thousand words. Prerequisites: Eng 130, 131, 132. Two recitations. Assistant Professor Casteel.

Eng 331. **Persuasion.** Second term, 2 hours.

A study of the psychological principles used by the speaker in influencing his audience; attention, suggestion, motivation and audience analysis. Prerequisites: Eng 130, 131, 132. Two recitations. Assistant Professor Dahlberg.

Eng 332. **Forms of Public Address.** Third term, 2 hours.

A study of the types of public address and of speech occasions: the deliberative, commemorative, and occasional address; the public

lecture and lecture-recital; speeches of courtesy; the sermon. Famous models of each type will be analyzed and original speeches composed and delivered. Prerequisites: Eng 330, 331. Two recitations. Assistant Professor Casteel.

Eng 333. Conduct of Group Discussion. First term, 2 hours.

A course in the principles and methods of conducting various types of group and conference situations. The committee conference; the board meeting; the open forum; the arbitration council; the social, religious, or literary discussion group will be taken as types for classroom projects. Methods for the chairman will be emphasized. Prerequisite: Eng 130. Two recitations. Assistant Professor Castcel.

Drama and Play Production

Eng 341, 342, 343. Technique of Acting. Three terms, 3 hours each term.

Introduction to the principles of acting technique. Advanced problems in the analysis and presentation of character. Participation in one-act and full-length plays. Prerequisite: consent of the instructor. Six or more laboratory periods. Associate Professor Seybolt.

Eng 344, 345, 346. Play Production. Three terms, 3 hours each term.

For prospective directors of plays, operettas, and festivals in schools, colleges and community theaters. Sources of dramatic material, choice of play, casting and rehearsal of players, production organization. Practical experience in directing a short play. Prerequisite: consent of the instructor. Six or more laboratory periods. Associate Professor Seybolt.

Eng 347, 348, 349. Guild Hall Players. Three terms, 3 hours each term.

A producing group selected from students who have shown marked ability in the prerequisite, Technique of Acting. Class limited in number. Prerequisite: consent of instructor. Six or more laboratory periods. Associate Professor Seybolt.

Eng 351, 352, 353. Stage Design. Three terms, 2 hours each term.

The physical theater in its social and historical background; forms of theater auditoriums and types of stage settings; costume and lighting as elements of drama; types of theater production; trend of contemporary decoration. Lectures and assigned readings, with drawings and model sets of historical and contemporary stage settings. Prerequisite: consent of instructor. Four or more laboratory periods. Staff.

Library Methods

Eng 327. Elementary Reference Work. First term, 3 hours.

A study of the important reference books and tools as used in small libraries and in elementary high schools. Instruction will be based on Hutchins, Johnson, and Williams, "Guide to the Use of Libraries" (1928). Lectures supplemented by practical problems designed to give the student facility in the use of the more important reference tools. Three lectures and recitations. Miss Casford.

Eng 328, 329. **Book Selection and Evaluation.** Second and third terms, 3 hours each term.

Designed to give a general survey of the best books and authors, old and new, in various fields of writing—e.g., travel, biography, drama, fiction—and to interpret and apply principles of selection for different classes of readers. Consideration is given to the best aids to book selection, with a discussion of publishing houses, series, and editors. Students are given practice in writing annotations and reviews. Prerequisite: one year of English or American literature. Three lectures or discussions. Staff.

GRADUATE COURSES

Eng 501. **Research.** Hours to be arranged.
Department staff.

Eng 503. **Thesis.** Three terms, 1 to 3 hours each term.

Eng 507. **Seminar in Special Authors.** Hours to be arranged.

Eng 511, 512, 513. **Carlyle.** Three terms, 2 or 3 hours each term.

Carlyle's relation as source or transmitter to the various literary, social, and intellectual movements of the day. Lectures and research problems. Credit according to work done by the student. Not offered 1932-33. Professor Boyer.

Eng 514, 515, 516. **Coleridge.** Three terms, hours to be arranged.
Not offered in 1932-33.

Eng 517, 518, 519. **Romantic Tendencies in the 18th Century.** Three terms, 3 hours each term.
Seminar. Not offered 1932-33. Professor Ernst.

Eng 521, 522, 523. **English Comedy (Seminar).** Three terms, 2 or 3 hours each term.
Open to honors students of senior standing. Credit according to work done by student. Associate Professor Smith.

Eng 524, 525, 526. **Seminar in Shakespeare.** Three terms, 2 or 3 hours each term.
Research problems. Open to honors students of senior standing. Credit according to work done by student. Not offered 1932-33. Assistant Professors Horn and Williamson.

Eng 527, 528, 529. **Seminar in Elizabethan Drama.** Three terms, 2 or 3 hours each term.
Research problems. Open to honors students of senior standing. Credit according to work done by student. Not offered 1932-33. Staff.

Eng 531, 532, 533. **The Evolution of Tragedy.** Three terms, 2 or 3 hours each term.
Seminar. Credit according to work done by student. Not offered 1932-33. Professor Boyer.

Eng 534, 535, 536. **Seminar in American Literature.** Three terms, 1 to 2 hours each term.

Special research problems for each student, leading to a long report or thesis. Open to honors students of senior standing. Credit according to work done by student. Seminar. Professor Burgess.

Eng 537, 538, 539. **Social Problems in English Literature.** Three terms, 2 or 3 hours each term.

The period covered by this course varies from year to year. Open to a limited number of seniors as well as to graduates. Credit according to work done by the students. Seminar. Not offered 1932-33. Professor Boyer.

Eng 540. **Problems and Methods of Literary Study.** First term, 3 hours.

Bibliography and the methods of modern literary research in connection with some project which the student has in hand. Not offered 1932-33. Three lectures or recitations. Staff.

Eng 541, 542, 543. **History of Criticism.** Three terms, 3 hours each term. Seminar. Professor Burgess.

COURSES AT CORVALLIS

LOWER DIVISION COURSES

Literature

*Eng 101, 102, 103. **English Survey.** Three terms, 3 hours each term.

A general outline course in the history of English literature. First term: from the beginnings to the seventeenth century. Second term: seventeenth and eighteenth centuries. Third term: nineteenth century. Required of students intending to major in English. Three lectures or recitations. Assistant Professor Ordeman.

*Eng 104, 105, 106. **Introduction to Literature.** Three terms, 3 hours each term.

The purpose is to stimulate appreciation and criticism of literature. Study of some masterpieces in ancient, modern, and contemporary literature. Three lectures or recitations. Associate Professors Peterson and Kierzek, Assistant Professors Ordeman and Colby.

Eng 161. **American Literature.** Any term, 3 hours.

Study of American literature from its beginnings to the present day. Three lectures or recitations. Associate Professor Peterson.

Eng 201, 202, 203. **Shakespeare.** Three terms, 3 hours each term.

Study of the important historical plays, comedies, and tragedies. Courses in sequence but may be taken separately. Prescribed for majors. Lectures or recitations. Associate Professor Peterson.

*Credit is not given for both Eng 101-103 and Eng 104-106.

Eng 261, 262. **Individual Authors.** First and second terms, 3 hours each term.

Each term devoted to the study of a single author. Lectures or recitations. Professor Smith.

Eng 263. **Great Books.** Third term, 3 hours.

Survey of some of the world's great books, including the Bible, the Odyssey, Arabian Nights, Divine Comedy, Autobiography of Benvenuto Cellini, Don Quixote, Pilgrim's Progress, Guilliver's Travels, and Faust. The emphasis is on the contribution each has made to western culture—that is, on elements of enduring greatness. Three lectures or discussion periods. Professor Smith.

Eng 264, 265, 266. **Continental European Literature.** Three terms, 3 hours each term.

The study of Continental European literature in approved translations. Lectures or recitations. Assistant Professor Colby.

Eng 271, 272, 273. **Contemporary Literature.** Three terms, 3 hours each term.

This course will take up in different terms the study of the contemporary American novel, American poetry, and modern drama. Lectures or recitations. Associate Professor Kierzek.

Eng 274. **The Short Story.** Third term, 3 hours.

Associate Professor Peterson.

Written English

English K. First or second term, 1 hour.

A one-term course in the mechanics of composition for those who fail the English entrance examination. The student must pass the entrance English examination or English K before he is permitted to register for any other written English course. Three recitations. Staff.

Eng 111, 112, 113. **English Composition.** Three terms, 3 hours each term.

A year course in the fundamentals of English composition and rhetoric, with frequent written themes in the various forms of discourse. Special attention is paid to correctness in fundamentals and to the organization of papers.

Note: All students registering in Eng 111 are required to have passed the placement examination given the first of the term. Students failing to make an average of C or better in English Composition are required to pass a further examination in ability to write English before becoming eligible for the Junior Certificate.

Prerequisite: English placement examination. Three recitations. Staff.

Eng 211. **Essay Writing.** First term, 3 hours.

An advanced course in composition devoted to the study and perfection of style, and to the study of the various forms and models of the essay. Prerequisites: Eng 111, 112, 113. Three recitations. Professor Berchtold.

Eng 212. **Advanced Essay Writing.** Second term, 3 hours.

An advanced study of the essay for those interested in the problems of creative expression and prose style. Prerequisite: Eng 211. Three recitations. Professor Berchtold.

Eng 213, 214, 215. **Short Story Writing.** Three terms, 2 hours each term.

This course is designed to develop proficiency in the art of writing the short story. Prerequisite: consent or instructor. Two recitations. Associate Professor Peterson.

Eng 217. **Business English.** Any term, 3 hours.

A complete review and study of modern practices in business correspondence, organized primarily for students of Business Administration. Attention is paid to the analysis and to the writing of all types of correspondence. Prerequisites: Eng 111, 112, 113. Three recitations. Mr. Nelson.

Speech, Drama, and Play Production

Eng 130, 131, 132. **Extempore Speaking.** Three terms, 3 hours each term.

First term: practice in the development and presentation of speeches on topics of special interest to the students; voice training; vocabulary building and pronunciation; some study of gesture, bearing, and elements of effectiveness in presentation; criticism on organization of material; organization is stressed. Second term includes practice in the construction and presentation of original speeches; voice training, and study of gesture and elements of effectiveness in delivery, criticism on organization and presentation; delivery is stressed. Third term: intensive drill in the technique of delivery, with a consideration of occasional speeches. Professor Mitchell and staff.

Eng 136. **Parliamentary Procedure.** Third term, 1 hour.

This course covers the history and principles of parliamentary usage and gives each student an opportunity to serve as chairman and secretary of several meetings during the term. Much practice is afforded in the presentation of motions and in impromptu speaking under the supervision of a critic. Assigned readings. Two recitations. Professor Mitchell and staff.

Eng 230. **Argumentation.** First term, 3 hours.

Consideration of the theory of argumentation; practical work in brief-drawing, collection and handling of evidence, and construction of argumentative speeches. Each student works out several briefs and delivers several speeches. Criticism on presentation and construction. Prerequisite: Eng 130. Three recitations. Professor Mitchell and staff.

Eng 235. **Speech Composition.** First term, 3 hours.

Text-book work, study of models, lectures, composition exercises, the writing of a term speech. This course is maintained as an aid to a mastery of effective style in speaking. It is recommended that students take Eng 131 before electing this course. Prerequisite: Eng 130. Three recitations. Professor Mitchell and staff.

Eng 237. **Debating.** Second term, 2 hours.

Application of the principles of argumentation to debating; analysis and brief-drawing. Each student participates in several debates. Criticism on delivery and on the selection and handling of evidence in both constructive argument and refutation. Assigned readings. Prerequisites: Eng 130, 230. Two recitations. Professor Mitchell and staff.

Eng 241, 242, 243. **Interpretation.** Three terms, 3 hours each term.

Practice in the interpretation of different types of literature; literary analysis; pantomime; diction; correct breathing; voice training; correction of erroneous habits of speech; overcoming artificiality, affectation and selfconsciousness. In the first term interpretation of narrative literature and outline analysis of material are stressed; in the second term, monologue and other types of impersonation including the dramatized story; in the third term the interpretation of poetry, psychology of the audience, expressive voice. Eng 241 will be given first and second terms; Eng 242 will be given second and third terms, and Eng 243 will be given third term. Prerequisite: consent of instructor. Three recitations. Associate Professor Barnes; Mr. Young.

Eng 244. **Stagecraft and Lighting.** Any term, 3 hours.

In this course consideration is given to the problems involved in the construction of scenery and stage properties. A study is made of lighting and lighting equipment. Practical experience is gained in lighting, stage management, and the construction of different types of settings, including suggestive and impressionistic. Mr. Young.

Eng 247, 248, 249. **Community Drama.** Three terms, 3 hours each term.

Designed to meet the needs of community leaders. The community drama idea; plays suitable for use in school or community; the staff; make-up; stage setting and costumes; modern tendencies in stage setting, costuming; directing and play production. Groups of one-act plays are produced at the end of the first term and a long play during the second term. Laboratory work in conducting rehearsals and producing plays. Students are given actual experience in producing plays effectively at little expense. Prerequisite: consent of instructor. Associate Professor Barnes.

Germanic Languages and Literature

In the department of Germanic Languages and Literature instruction is offered in the German and Scandinavian languages. Lower division courses in German are offered at both Eugene and Corvallis. Upper division and graduate work in German is offered only at Eugene.

The lower division and service courses in German are intended to meet not only the cultural needs of all students but also the prescriptions found in technical curricula and needed in connection with various vocations. The student will find at Corvallis all courses needed in preparing for major work in German on the Eugene campus.

COURSES IN GERMAN AT EUGENE

LOWER DIVISION COURSES

Ger 1, 2, 3. **First Year German.** Three terms, 4 hours each term.

The elementary course comprises: Vos, Essentials of German (Henry Holt), latest edition; and German composition, reading and translation of easy prose and poetry. Professor Schmidt, Associate Professor Kremer, Assistant Professor Pollard, Mr. Frazier.

Ger 4, 5, 6. **Second Year German.** Three terms, 4 hours each term.

Grammar, composition, and conversation. Translation of standard German authors. Prerequisite: one year of college or two years of high school German. Professor Schmidt, Assistant Professor Pollard.

Ger 7, 8. **First Year German.** Second and third terms, 6 hours each term.

A two-term course covering the work of Ger 1, 2, 3. For students entering in the second term. Assistant Professor Pollard.

Ger 111, 112, 113. **Classical German.** Three terms, 3 hours each term.

Open to students who have had two years of German. Some works of Goethe, Schiller, Lessing, Kleist, Grillparzer, will be read. Not offered 1932-33. Prerequisite: two years of college German. Professor Schmidt.

Ger 114, 115, 116. **German Fiction and Contemporary Literature.** Three terms, 3 hours each term.

During the year some of the following works will be read: Sudermann's *Der Katzensteg*; Keller's *Kleider machen Leute*; Meyer's *Juerg Jenatsch*; Wildenbruch's *Der Letzte*; Riehl's *Der Fluch der Schoenheit*; Frenssens's *Joern Uhl*; Bonsels' *Die Biene Maja*, etc. Professor Schmidt.

Ger 117, 118, 119. **Modern German Drama.** Three terms, 3 hours each term.

Some of the following dramas will be read: Fulda's *Der Talisman* or *Das Verlorene Paradies*; Wildenbruch's *Harold*, Hauptmann's *Die versunkene Glocke*; Ernst's *Flachsmann als Erzieher*; Sudermann's *Johannes* or *Heimat*; Schnitzler's *Der grüne Kakadu*, etc. Not offered 1932-33. Professor Schmidt.

Ger 205, 206, 207. **Introduction to German Literature.** Three terms, 3 hours each term.

Given in English. Open to upper-classmen. Outside reading and papers on assigned topics. (See also Ger 314, 315, 316.) Assistant Professor Pollard.

UPPER DIVISION COURSES

(Courses 300-399 are open to lower division students.)

Ger 311, 312, 313. **Modern German Drama.** Three terms, 3 hours each term.

Some of the following dramas will be read: Fulda's *Der Talisman* or *Das verlorene Paradies*; Wildenbruch's *Harold*, Hauptmann's *Die versunkene Glocke*; Ernst's *Flachsmann als Erzieher*; Sudermann's *Johannes* or *Heimat*; Schnitzler's *Der grüne Kakadu*, etc. Not offered 1932-33. Professor Schmidt.

Ger 314, 315, 316. **Introduction to German Literature.** Three terms, 3 hours each term.

Given in English. Open to lower division students. Not open to students who have taken Ger 205-207. Outside reading and papers on assigned topics. Assistant Professor Pollard.

Ger 317, 318, 319. **Classical German.** Three terms, 3 hours each term.

Open to students who have had two years of German. Some works of Goethe, Schiller, Lessing, Kleist, and Grillparzer will be read. Not offered 1932-33. Prerequisite: two years of college German. Professor Schmidt.

Ger 320, 321, 322. **Scientific German.** Three terms, 3 hours each term.

Recommended to students in science or medicine. Articles on chemistry, physics, biology, anatomy, embryology, comparative anatomy, surgery, the history of medicine, and of current clinical literature will be read. Students desiring to enter this course should consult the instructor. Associate Professor Kremer.

Ger 323, 324, 325. **German Fiction and Contemporary Literature.** Three terms, 3 hours each term.

During the year some of the following works will be read: Sudermann's *Der Katzensteg*; Keller's *Kleider machen Leute*; Meyer's *Juerg Jenatsch*; Wildenbruch's *Der Letzte*; Riehl's *Burg Neideck*, *Der Fluch der Schoenheit*; Frenssen's *Joern Uhl*; Bonsels' *Die Biene Maja*, etc. Professor Schmidt.

Ger 326. **German Poetry.** Third term, 2 hours.

Poems of Goethe, Schiller, Uhland, etc. will be read.

Ger 327. **Goethe's Faust.** Second term, 2 hours.

Given in German. Part I with commentary. Professor Schmidt.

Ger 328. **Goethe's Faust.** Third term, 2 hours.

Given in German. Part II with commentary. Not offered 1932-33. Professor Schmidt.

Ger 329. **Heine.** First term, 2 hours.

Prose works.

Ger 330. **Goethe's Faust.** Second term, 2 hours.

For students majoring in comparative literature and open to all students without knowledge of German. Lectures and assigned readings. Not offered 1932-33.

Ger 331. **Historical and Philosophical German.** Third term, 2 hours.

The rapid translation of historical, economic, and philosophical German. Associate Professor Kremer.

Ger 332. **Journalistic and Commercial German.** First term, 2 hours.

Reading of journals and periodicals and the study of commercial bulletins giving an insight into German business customs and institutions. Open to all students who have had two years of German.

Ger 333. **Teaching of Germanic Languages.** Third term, 3 hours.

Discussion of methods of teaching Germanic languages; examination of texts. Open to juniors and seniors. Required of students who wish to be recommended as teachers of Germanic languages. Not offered 1932-33. Professor Schmidt.

Ger 334, 335, 336. **German Conversation and Advanced Composition.** Three terms, 2 hours each term.

Open to all students who have had two years of German. Required of all students who wish to teach German. No credit allowed unless two terms are taken. Associate Professor Kremer.

Ger 337, 338, 339. **The Nineteenth and Twentieth Century Novel.** Three terms, 3 hours each term.

Representative works of Freytag, Keller, Meyer, Sudermann, Frenssen, Storm, Riehl, Heyse, Scheffel, Ludwig, Dahn, Bonsels, Schnitzler, Rosegger, Auerbach, Ebner-Eschenbach, Spielhagen, etc., are included in the course. Not offered 1932-33. Professor Schmidt.

Ger 340, 341, 342. **German Culture and Civilization.** Three terms, 2 hours each term.

A comparative survey of German and European civilization illustrated by lantern slides. Lectures (in English) on philosophy, poetry, and life and their mutual relations and principal tendencies in German history. Not offered 1932-33.

Ger 411, 412, 413. **History of German Literature.** Three terms, 1 to 3 hours each term.

With special study of the classic periods of the twelfth and eighteenth centuries. Scherer's *Geschichte der Deutschen Literatur* and Francke's *History of German Literature* are used as textbooks. Papers on assigned topics are required. Professor Schmidt.

Ger 414. **Physiological Phonetics.** Any term, 2 hours.

The sounds of English, German, and French. Grandgent, *German and English Sounds*, (Boston, Ginn & Co.); Ripman's adaptation of Viator's *Kleine Phonetik* (London, J. M. Dent & Co., 1913); *Kleines Lesebuch in Lautschrift* von Viator; Sweet, *A Primer of Phonetics* (Oxford, Clarendon Press, 1890). Lectures. Not offered 1932-33. Professor Schmidt.

Ger 415, 416, 417; 418, 419, 420. **Seminar in German Literature and Philology.** Six terms, 3 hours each term.

Aiming to impart the principles and methods of investigation. Professor Schmidt.

GRADUATE COURSES

Ger 503. **Thesis.** Three terms, 1 to 3 hours each term.

Ger 511, 512, 513. **Middle High German.** Three terms, 3 hours each term.

Michels, *Mittelhochdeutsche Grammatik*, 1910; Henrici, *Proben der Dichtungen des Mittelalters*, Berlin, 1898; selections from *Nibelungenlied*; Walther von der Vogelweide, *Parzival*; Lexer, *Mittel-*

hochdeutsches Taschen-Wörterbuch. Professor Schmidt, Associate Professor Kremer.

Ger 514, 515, 516. **Old High German and Old Saxon.** Three terms, 3 hours each term.

Braune's *Althochdeutsche Grammatik*, and the same author's *Althochdeutsches Lesebuch* (4th edition); Muellenhoff and Scherer's *Denkmäler deutscher Poesie and Prosa* (3rd edition); Behaghel's *Altsächsische Grammatik* and *Historical Grammar of the German Language*. Professor Schmidt.

Ger 517, 518, 519. **Gothic and the Elements of Comparative German Grammar.** Three terms, 3 hours each term.

Braune, *Gotische Grammatik*, Wright, *Grammar of the Gothic language*, v.d. Leyen, *Einführung in das Gotische*; Streitberg's *Urgermanische Grammatik*. This course is required for advanced degrees in English philology. Associate Professor Kremer.

COURSES IN GERMAN AT CORVALLIS

LOWER DIVISION COURSES

Ger 1, 2, 3. **First Year German.** Three terms, 4 hours each term.

Rudiments of the language; oral and written exercises; reading and translation of easy prose and poetry. Four recitations. Assistant Professor Lewis.

Ger 4, 5, 6. **Second Year German.** Three terms, 4 hours each term.

Grammar, composition, and conversation. Translation of standard German authors. Prerequisites: Ger 1, 2, 3 or one year of college or two years of high school German. Four recitations. Miss Myers.

Ger 101, 102, 103. **German Literature.** Three terms, 3 hours each term.

(Third year German.) Advanced texts are used. Prerequisites: Ger 4, 5, 6 or equivalent. Three recitations. Assistant Professor Lewis.

Ger 201, 202, 203. **German Literature.** Three terms, 3 hours each term.

(Third year German.) Advanced texts are used. Prerequisites: Ger 4, 5, 6 or equivalent. Not open to students who have taken Ger 101-103. Three recitations. Assistant Professor Lewis.

UPPER DIVISION SERVICE COURSES

(Courses 300-399 are open to lower division students.)

Ger 301, 302, 303. **Third Year German.** Three terms, 3 hours each term.

Advanced texts are used. Prerequisites: Ger 4, 5, 6 or equivalent. Not open to students who have taken Ger 101-103 or 201-203. Three recitations. Assistant Professor Lewis.

Ger 320, 321, 322. **Scientific German.** Three terms, 3 hours each term.

Recommended to students in science or medicine. Articles on chemistry, physics, biology, anatomy, embryology, comparative an-

atomy, surgery, and the history of medicine will be read, as well as current clinical literature. Prerequisite: consent of instructor. Three recitations. Assistant Professor Lewis.

COURSES IN SCANDINAVIAN LANGUAGES AND LITERATURE AT EUGENE

LOWER DIVISION COURSES

Ger 11, 12, 13. **Elementary Norse.** Three terms, 3 hours each term.

Principles of grammar and the reading of easy prose. The texts used comprise: M. Michelet, first year Norse, latest edition; O. Krogh, *Nyere Norsk Prosa, Riksmaal*. Given in alternate years with Ger 21, 22, 23. Associate Professor Kremer.

Ger 21, 22, 23. **Elementary Swedish.** Three terms, 3 hours each term.

Principles of grammar and the reading of easy prose. The texts used comprise: Im Björkhagen, *Modern Swedish Grammar* and A. L. Elmquist, *Swedish Reader*; S. Lagerloef's *En Herrgaardssaegen* or Geijerstam's *Mina Pojkar*. Given in alternate years with Ger 11, 12, 13. Not offered 1932-33. Associate Professor Kremer.

UPPER DIVISION COURSES

Ger 351, 352, 353. **Scandinavian Literature.** Three terms, 2 hours each term.

(Conducted in English.) Works of Danish, Icelandic, Norwegian, and Swedish writers in standard translations. Not offered 1932-33. Associate Professor Kremer.

Ger 451, 452, 453. **Scandinavian Literature, Life, and Culture.** Three terms, 2 hours each term.

Study of educational, critical, biographical, and other works and treatises on the literary and cultural life of the Scandinavian countries. Graduate credit may be earned by additional work on assigned topics. Associate Professor Kremer.

GRADUATE COURSES

Ger 550. **Old Icelandic.** Term and hours to be arranged.

The texts used are: H. Sweet, *Icelandic Primer*, 2d edition; and E. Mogk, *Gunlaugs saga Ormstungu*. Associate Professor Kremer.

Greek

STUDENTS who expect to acquire a knowledge of Greek literature should begin the study of the language in their freshman year. Major students in Greek are required to have a minimum of 36 term hours in the Greek language.

COURSES AT EUGENE

LOWER DIVISION COURSES

Gr 1, 2, 3. **Beginning Greek.** Three terms, 4 hours each term.

Gleason's Greek Primer; Xenophon's Anabasis. This course covers the basic inflections and syntax for Attic Greek, together with a term of reading. Assistant Professor Landros.

Gr 51, 52, 53. **Xenophon, Plato, and Homer.** Three terms, 4 hours each term.

Second year Greek, Xenophon's Anabasis continued, Plato's Socratic Dialogues, and four books of Homer. Grammar review. Associate Professor Smertenko.

Gr 111, 112, 113. **Greek Literature.** Three terms, hours to be arranged.

Reading of selected authors. Not offered 1932-33.

UPPER DIVISION COURSES

Gr 305. **Honors Reading.** Three terms, 3 or 4 hours each term.

A course of reading for honors candidates, arranged for the individual student. Junior year.

Gr 307. **Seminar.** Any term, 2 to 4 hours each term.

Gr 311, 312, 313. **Xenophon and Greek Testament.** Three terms, 4 hours each term.

This course is intended primarily for students preparing for the ministry, but is elective for other students. Not offered 1932-33. Prerequisites: Gr 1, 2, 3.

Gr 314, 315, 316. **Greek Tragedy.** Three terms, 3 hours each term.

Selected plays of Aeschylus, Sophocles and Euripides, with a survey of the history of the Greek drama. Associate Professor Smertenko.

Gr 317, 318, 319. **Herodotus and Thucydides.** Three terms, 2 or 3 hours each term.

The Athenian empire studied through the lives of three of its leaders. The texts of Herodotus, Thucydides and Plutarch are used. First term, Themistocles and the founding of the empire. Second term, Pericles and the Athenian supremacy. Third term, Alcibiades and the Sicilian expedition. Not offered 1932-33. Associate Professor Smertenko.

Gr 320, 321, 322. **Advanced Greek.** Three terms, hours to be arranged.

Gr 323, 324, 325. **Greek Grammar, Prose and Sight Translation.** Three terms, 2 hours each term. Not offered 1932-33.

Gr 326, 327, 328. **History of the Greek Language.** Three terms, 3 hours each term.

A study of the history of the Greek language with consideration of the principles of change in the Indo-European languages. Not offered 1932-33.

Gr 331, 332, 333. **Greek Language and Literature.** Three terms, 4 hours each term.

Intended primarily for juniors and seniors who have no knowledge of Greek. Intensive study of the rudiments of the language and reading of selected texts in the original Greek, supplemented by the study of Greek literature through English sources. This course cannot be offered to fulfill the language requirement for the B.A. degree. Assistant Professor Landros.

Gr 351, 352, 353. **Greek Prose Composition.** Three terms, 2 hours each term.
Not offered 1932-33.

Gr 405. **Honors Reading.** Three terms, 3 or 4 hours each term.
Same as Gr 305, Senior year.

Gr 411, 412, 413. **Plato and Aristotle.** Three terms, 3 hours each term.
Plato, Republic; Aristotle, Ethics. Not offered 1932-33. Associate Professor Smertenko.

Gr 414, 415, 416. **Greek Literature.** Three terms, 2 or 3 hours each term.
Reading and study of selected authors.

GRADUATE COURSES

Gr 503. **Thesis.** Three terms, 1 to 3 hours each term.

Gr 507. **Seminar.** Any term, hours to be arranged.

Gr 511, 512, 513. **Greek Literature.** Three terms, hours to be arranged.

Graduate students will be permitted to choose what they wish to read from a list of authors which may be obtained on application to the department. The course includes textual criticism, as well as the historical context of the works read.

Gr 514, 515, 516. **Greek Philosophy.** Three terms, hours to be arranged.
Special emphasis is laid on the Presocratics. Not offered 1932-33.
Associate Professor Smertenko.

Gr 517, 518, 519. **Plato, the Dialogues.** Three terms, hours to be arranged.
An extended reading of the dialogues with a study of their philosophical import. Not offered 1931-32.

Gr 521, 522, 523. **The Greek Drama.** Three terms, hours to be arranged.
A study of Greek tragedy and comedy as expressions of Greek life, and especially of Greek religion. Not offered 1932-33.

Gr 524, 525, 526. **The Greek Historians.** Three terms, hours to be arranged.
A study of Greek history through the writings of Xenophon, Herodotus, and Thucydides. Not offered 1932-33.

Latin

STUDENTS who have presented less than two units in Latin for entrance are not permitted to major in the department, and it is strongly urged that intending major students come with at least three and, if possible, four units of high school Latin. Students who have entered with insufficient Latin and who, accordingly, may not major in the department, may if they wish take the beginning service courses Lat 1, 2, 3, with such subsequent courses as are desired. In no case are Lat 1, 2, 3 counted for the major. The four-year course of study (page 130) will equip students for high school teaching in Latin. Major students who do not intend to teach may substitute any electives for the courses in pedagogy.

COURSES AT EUGENE

LOWER DIVISION COURSES

Lat 1, 2, 3. **First Year Latin and Caesar.** Three terms, 4 hours each term.

The year will begin with the *First Year Book* and close with the reading of two books of Caesar's Gallic War. Assistant Professor Landros.

Lat 4, 5, 6. **Cicero and Vergil.** Three terms, 4 hours each term.

This course is provided for students who have had two years of Latin in high school or three years without Cicero or Vergil. For the accommodation of the latter class, the semester system is followed so that mid-year graduates may enter and proceed with Vergil. Assistant Professor Landros.

Lat 101, 102, 103. **Latin Literature: The Augustan Age.** Three terms, 3 hours each term.

A survey of Latin literature in general with emphasis upon the following authors: Horace, selected Odes and Epodes; Cicero, de Amicitia and de Senectute; Vergil, the Eclogues; Livy, Books I and II. Professor Dunn.

Lat 201, 202, 203. **Latin Literature: The Silver Age.** Three terms, 3 hours each term.

Tactitus, Agricola and Germania; Pliny, selected Letters; Martial, selected Epigrams; Suetonius, selected Lives. Professor Dunn.

Lat 211, 212, 213. **Latin Literature: Comedy.** Three terms, 3 hours each term.

Selected plays of Plautus and Terence. Associate Professor Smerenko.

UPPER DIVISION COURSES

Lat 311, 312, 313. **Latin Literature: The Silver Age.** Three terms, 3 hours each term.

Tacitus, Agricola and Germania; Pliny, selected Letters, Martial, selected Epigrams; Suetonius, selected Lives. Open to sophomores. Not open to students who have taken Lat 201-203. Professor Dunn.

cultural needs of all students but also the prescriptions found in technical curricula and needed in connection with various vocations. The student will find at Corvallis all courses needed in preparing for major work in the field of Romance Languages which is offered on the Eugene campus.

COURSES IN FRENCH AT EUGENE

LOWER DIVISION COURSES

RL 1, 2, 3. **First Year French.** Three terms, 4 hours each term.

Grammar, pronunciation, composition, conversation. Translation of easy French prose and poetry. Miss Crane, Mr. Rael, Mr. Ellis.

RL 4, 5, 6. **Second Year French.** Three terms, 4 hours each term.

Review of grammar, composition, conversation, translation of modern French authors. Assistant Professor Thompson, Miss Crane, Mr. Mathews.

RL 7, 8. **First Year French.** Second and third terms, 6 hours each term.

Covers in two terms the work of RL 1, 2, 3. For students entering in second term. Not offered 1932-33.

RL 101, 102, 103. **French Literature.** Three terms, 3 hours each term.

(Third year.) Reading of masterpieces of various periods. A general review of French literature. Lectures. Associate Professor Beall, Miss Crane, Mr. Mathews.

RL 201, 202, 203. **French Literature.** Three terms, 3 hours each term.

(Third year.) Reading of masterpieces of various periods. A general review of French literature. Not open to students who have taken RL 101-103. Lectures. Associate Professor Beall, Mr. Mathews, Miss Crane.

RL 204, 205, 206. **Seventeenth Century French Literature.** Three terms, 3 hours each term.

Readings of representative works of Corneille, Molière, Racine, La Fontaine, Madame de Sévigné, Pascal and Descartes. Professor Bowen.

UPPER DIVISION COURSES

RL 305. **Honors Readings in Romance Languages.** Any term, 2 or 3 hours.

Juniors. Professors Bowen and Wright, Associate Professor Beall, Assistant Professor Thompson.

RL 311, 312, 313. **French Literature.** Three terms, 3 hours each term.

(Third year.) Reading of masterpieces of various periods. A general review of French literature. Not open to students who have taken RL 101-103 or RL 201-203. Lectures. Associate Professor Beall, Miss Crane, Mr. Mathews.

RL 314, 315, 316. **French Conversation and Composition.** Three terms, 2 hours each term.

Meets on alternate days with RL 311, 312, 313. Miss Crane, Mr. Ellis, Mr. Mathews.

- RL 317, 318, 319. **Intermediate French Composition and Syntax.** Three terms, 2 hours each term.
Includes phonetics. Not offered 1932-33. Prerequisites: RL 314, 315, 316.
- RL 320, 321, 322. **French Pronunciation and Phonetics, and Methods of Teaching French.** Three terms, 2 hours each term.
Associate Professor Beall.
- RL 323, 324, 325. **Scientific French.** Three terms, 2 or 3 hours each term.
Not offered 1932-33.
- RL 326, 327, 328. **Advanced French Composition.** Three terms, 2 hours each term.
Not offered 1932-33. Prerequisites: RL 317, 318, 319.
- RL 329, 330, 331. **French Historians.** Three terms, 3 hours each term.
Survey of French culture and civilization. Not offered 1932-33.
- RL 332, 333, 334. **French Literature.** Three terms, 3 hours each term.
(Fourth year.) Reading of selections from the great writers of France. Lectures, reports, and explanation of texts. Professor Cloran.
- RL 335, 336, 337. **Methods of Teaching Romance Languages.** Three terms, 1 hour each term.
Not offered 1932-33. Professor Bowen.
- RL 403. **Honors Thesis.** Three terms, 2 or 3 hours each term.
For those reading for honors in Romance Languages. Professors Bowen and Wright, Associate Professor Beall, Assistant Professor Thompson.
- RL 405. **Honors Readings in Romance Languages.** Any term, 2 or 3 hours each term.
Seniors. Professors Bowen and Wright, Associate Professor Beall, Assistant Professor Thompson.
- RL 411, 412, 413. **Seventeenth Century French Literature.** Three terms, 3 hours each term.
Readings of representative works of Corneille, Molière, Racine, La Fontaine, Madame de Sévigné, Pascal, and Descartes. Professor Bowen.
- RL 414, 415, 416. **Old French Readings.** Three terms, 1 to 3 hours each term.
Professor Cloran.
- RL 417, 418, 419. **Nineteenth Century French Novel.** Three terms, 3 hours each term.
Required of French major students. Professor Bowen.
- RL 420, 421, 422. **Modern French Drama and Lyric Poetry.** Three terms, 3 hours each term.
Associate Professor Beall.

COURSES IN FRENCH AT CORVALLIS

LOWER DIVISION COURSES

RL 1, 2, 3. **First Year French.** Three terms, 4 hours each term.

Grammar, pronunciation, composition, conversation. Translation of easy French prose and poetry. Four recitations. Associate Professor Kuney.

RL 4, 5, 6. **Second Year French.** Three terms, 4 hours each term.

Review of grammar, composition, conversation, translation of modern French authors. For Engineering and Science students there will be at least one section where emphasis will be placed upon scientific vocabulary. Prerequisites: RL 1, 2, 3 or one year of college or two years of high school French or equivalent. Four recitations. Associate Professor Kuney.

RL 101, 102, 103. **French Literature.** Three terms, 3 hours each term.

(Third year French.) Reading of masterpieces of various periods. A general review of French literature. Prerequisite: two years of college French or the equivalent. Three lectures or recitations. Associate Professor Kuney.

RL 201, 202, 203. **French Literature.** Three terms, 3 hours each term.

(Third year French.) Reading of masterpieces of various periods. A general review of French literature. Prerequisite: two years of college French or the equivalent. Not open to students who have taken RL 101-103. Three lectures or recitations. Associate Professor Kuney.

UPPER DIVISION SERVICE COURSES

RL 311, 312, 313. **French Literature.** Three terms, 3 hours each term.

(Third year French.) Reading of masterpieces of various periods. A general review of French literature. Prerequisite: two years of college French or the equivalent. Not open to students who have taken RL 101-103 or RL 201-203. Three lectures or recitations. Associate Professor Kuney.

COURSES IN SPANISH AT EUGENE

LOWER DIVISION COURSES

RL 11, 12, 13. **First Year Spanish.** Three terms, 4 hours each term.

Grammar, composition, conversation, translation of easy prose. Professor Wright.

RL 14, 15, 16. **Second Year Spanish.** Three terms, 4 hours each term.

Review of grammar, composition, conversation, translation of modern Spanish authors. For Business Administration students there will be at least one section where emphasis will be placed on a commercial and industrial vocabulary. Assistant Professor Thompson, Mr. Rael.

- RL 17, 18. **First Year Spanish.** Second and third terms, 6 hours each term.
Covers in two terms the work of RL 11, 12, 13. For students entering in second term. Not offered 1932-33.
- RL 107, 108, 109. **Spanish Literature.** Three terms, 3 hours each term.
(Third year.) Reading of masterpieces of various periods. A general survey of Spanish literature. Lectures. Professor Wright.
- RL 207, 208, 209. **Spanish Literature.** Three terms, 3 hours each term.
(Third year.) Reading of masterpieces of various periods. A general survey of Spanish literature. Lectures. Professor Wright.

UPPER DIVISION COURSES

- RL 341, 342, 343. **Spanish Literature.** Three terms, 3 hours each term.
(Third year.) Reading of masterpieces of various periods. A general survey of Spanish literature. Lectures. Professor Wright.
- RL 344, 345, 346. **Spanish and Portuguese Literature.** Three terms, 2 hours each term.
Lectures, reports and explanation of texts. Professor Cloran.
- RL 347, 348, 349. **Spanish Composition and Conversation.** Three terms, 2 hours each term.
Meets on alternate days with RL 341, 342, 343. Assistant Professor Thompson.
- RL 350, 351, 352. **Advanced Spanish Composition and Syntax.** Three terms, 2 hours each term.
Not offered 1932-33. Prerequisites: RL 347, 348, 349. Mr. Rael.
- RL 353, 354, 355. **Commercial Spanish.** Three terms, 2 hours each term.
Spanish commercial correspondence, business forms, industrial readings, conversation. A study of Latin American countries. Prerequisites: RL 14, 15, 16, or three years of high school Spanish. Mr. Rael.
- RL 441, 442, 443. **Modern Spanish Literature.** Three terms, 3 hours each term.
RL 441, 442, 443 or 444, 445, 446 required of students majoring in Spanish. Professor Wright.
- RL 444, 445, 446. **Spanish-American Literature.** Three terms, 3 hours each term.
RL 444, 445, 446 or 441, 442, 443, required of students majoring in Spanish. Not offered 1932-33. Professor Wright.

COURSES IN SPANISH AT CORVALLIS

LOWER DIVISION COURSES

- RL 11, 12, 13. **First Year Spanish.** Three terms, 4 hours each term.
Grammar, composition, conversation, translation of easy prose. Four recitations. Associate Professor Martin.

RL 14, 15, 16. **Second Year Spanish.** Three terms, 4 hours each term.

Review of grammar, composition, conversation, translation of modern Spanish authors. For Business Administration students there will be at least one section where emphasis will be placed on a commercial and industrial vocabulary. Prerequisite: RL 11, 12, 13 or one year of college or two years of high school Spanish. Four recitations. Associate Professor Martin.

RL 107, 108, 109. **Spanish Literature.** Three terms, 3 hours each term.

(Third year.) Reading of masterpieces of various periods. A general survey of Spanish literature. Prerequisite: two years of college Spanish or the equivalent. Three lectures or recitations. Associate Professor Martin.

RL 207, 208, 209. **Spanish Literature.** Three terms, 3 hours each term.

(Third year.) Reading of masterpieces of various periods. A general survey of Spanish literature. Prerequisite: two years of college Spanish or the equivalent. Not open to students who have taken RL 107-109. Three lectures or recitations. Associate Professor Martin.

UPPER DIVISION SERVICE COURSES

RL 341, 342, 343. **Spanish Literature.** Three terms, 3 hours each term.

(Third year Spanish.) Reading of masterpieces of various periods. A general survey of Spanish literature. Prerequisite: two years of college Spanish or the equivalent. Not open to students who have taken RL 107-109 or RL 207-209. Three lectures or recitations. Associate Professor Martin.

COURSES IN ITALIAN AND PORTUGUESE AT EUGENE

LOWER DIVISION COURSES

RL 31, 32, 33. **First Year Italian.** Three terms, 3 hours each term.

Grammar, composition and translation of modern authors. Professor Cloran.

RL 34, 35, 36. **Second Year Italian.** Three terms, 3 hours each term.

Reading of modern authors. Composition. Professor Cloran.

UPPER DIVISION COURSES

RL 371, 372, 373. **Third Year Italian.** Three terms, 2 hours each term.

Reading of selections from representative works of great authors. Reports. Outline of Italian literature. Professor Cloran.

RL 391, 392, 393. **Elementary Portuguese.** Three terms, 2 hours each term.

Branner's Portuguese Grammar. Readings of Portuguese prose and poetry. Open to students who have had two years of Spanish. Not offered 1932-33. Professor Cloran.

RL 474, 475, 476. **Fourth Year Italian.** Three terms, 2 hours each term.

Emphasis upon the classical writers. Not offered 1932-33. Professor Cloran.

GRADUATE COURSES IN ROMANCE LANGUAGES AT EUGENE

The graduate courses are given in rotation and according to the need of the graduate students.

RL 503. **Thesis.** Three terms, hours to be arranged.

RL 511, 512, 513. **French Literature in the Nineteenth Century.** Three terms, 3 hours each term.

Not offered 1932-33. Professor Bowen.

RL 514, 515, 516. **French Literature in the Eighteenth Century.** Three terms, 3 hours each term.

Associate Professor Beall.

RL 517, 518, 519. **French Literature in the Sixteenth Century.** Three terms, 3 hours each term.

Associate Professor Beall.

RL 520, 521, 522. **Romance Philology.** Three terms, 2 hours each term.

Professor Bowen.

RL 523, 524, 525. **Vulgar Latin and Old Provençal.** Three terms, 2 hours each term.

Professor Wright.

RL 526, 527, 528. **French Seminar.** Three terms, hours to be arranged.

Professor Bowen.

RL 529, 530, 531. **Spanish Literature of the Sixteenth and Seventeenth Centuries.** Three terms, 3 hours each term.

Not offered 1932-33.

RL 532, 533, 534. **Spanish Seminar.** Three terms, hours to be arranged.

Professor Wright.

RL 535, 536, 537. **Old Spanish.** Three terms, 2 hours each term.

Professor Wright.

School of Science

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

*ARNOLD BENNETT HALL, J.D., LL.D., President of the University.

EARL LEROY PACKARD, Ph.D., Dean and Director of Science.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

EARL MANLEY PALLETT, Ph.D., Executive Secretary and Registrar of the University.

ERWIN BERTRAN LEMON, B.S., Registrar of the State College.

GLADYS LEIBRAND, Secretary to the Dean.

Bacteriology

CORVALLIS

GODFREY VERNON COPSON, M.S., Professor of Bacteriology; Head of Department.

JOSEPH ELLSWORTH SIMMONS, M.S., Associate Professor of Bacteriology.

WALTER BENO BOLLEN, Ph.D., Assistant Professor of Bacteriology.

Botany

CORVALLIS

HOWARD PHILLIPS BARSS, S.M., Professor of Botany; Head of Department.

WINFRED MCKENZIE ATWOOD, Ph.D., Professor of Plant Physiology.

CHARLES ELMER OWENS, A.M., Professor of Botany and Plant Pathology.

WILLIAM EVANS LAWRENCE, B.S., Associate Professor of Plant Ecology.

HELEN MARGARET GILKEY, Ph.D., Associate Professor of Botany; Curator of Herbarium.

ETHEL IDA SANBORN, Ph.D., Assistant Professor of Botany.

EUGENE

ALBERT RADDIN SWEETSER, Sc.D., Professor Emeritus of Plant Biology.

FRANK PERRY SIPE, M.S., Assistant Professor of Botany.

LOUIS FORNIQUET HENDERSON, M.A., Professor of Research in Botany; Curator of Herbarium.

Chemistry

CORVALLIS

JOHN FULTON, M.S., Professor of Chemistry; Head of Department.

EARL C GILBERT, Ph.D., Professor of Physical Chemistry.

J. SHIRLEY JONES, M.S.A., Professor of Agricultural Chemistry.

ROGER JOHN WILLIAMS, Ph.D., Professor of Chemistry.

WILLIAM ELMER CALDWELL, Ph.D., Assistant Professor of Chemistry.

*On leave of absence.

LEO FRIEDMAN, Ph.D., Assistant Professor of Chemistry.
ADOLF HENRY KUNZ, Ph.D., Assistant Professor of Chemistry.
CHARLES S PEASE, Ph.D., Assistant Professor of Organic Chemistry.
JOSEPH PARKE MEHLIG, Ph.D., Assistant Professor of Analytical Chemistry.
BERT EINAR CHRISTENSEN, Ph.D., Instructor in Chemistry.
GLEN CHASE WARE, M.S., Instructor in Chemistry.
HENRY GEORGE RUPPEL, M.A., Instructor in Chemistry.
COWIN COOK ROBINSON, A.M., Instructor in Organic Chemistry.
EUGENE HARVEY HUFFMAN, M.S., Instructor in Chemistry.
EDWARD CLEVELAND CALLAWAY, M.S., Instructor in Chemistry.

EUGENE

ORIN FLETCHER STAFFORD, A.M., Professor of Chemistry.
FREDERICK LAFAYETTE SHINN, Ph.D., Professor of Chemistry.

Entomology

CORVALLIS

DON CARLOS MOTE, Ph.D., Professor of Entomology; Head of Department.
HERMAN AUSTIN SCULLEN, M.A., Associate Professor of Entomology.
WILLARD JOSEPH CHAMBERLIN, Ph.D., Associate Professor of Entomology.

Geology

CORVALLIS

EARL LEROY PACKARD, Ph.D., Professor of Geology; Head of Department.
EDWIN THOMAS HOJGE, Ph.D., Professor of Geology.
IRA SHIMMIN ALLISON, Ph.D., Professor of Geology.
WILLIAM DONALD WILKINSON, Ph.D., Instructor in Geology.

EUGENE

WARREN DUPRE SMITH, Ph.D., Professor of Geology.

Mathematics

CORVALLIS

WILLIAM EDMUND MILNE, Ph.D., Professor of Mathematics; Head of Department.
CHARLES LESLIE JOHNSON, B.S., Professor of Mathematics.
EDWARD HIRAM McALISTER, A.M., Professor of Mathematics.
EDWARD BENJAMIN BEATY, M.A., Professor of Mathematics.
NICHIOLAS TARTAR, B.S., Associate Professor of Mathematics.
HARRY LYNDEN BEARD, M.A., Assistant Professor of Mathematics.
JOHN ALBERT VAN GROOS, M.S., Assistant Professor of Mathematics.
GEORGE ALFRED WILLIAMS, A.M., Assistant Professor of Mathematics.
WILLIAM JOHN KIRKHAM, A.M., Instructor in Mathematics.

EUGENE

EDGAR EZEKIEL DECOU, M.S., Professor of Mathematics.
ANDREW FLEMING MOURSUND, Ph.D., Instructor in Mathematics.

Physics

CORVALLIS

WILLIBALD WENIGER, Ph.D., Professor of Physics; Head of Department.

WILLIAM PINGRY BOYNTON, Ph.D., Professor of Physics.

ALBERT EDWARD CASWELL, Ph.D., Professor of Physics.

WILLIAM BALLANTYNE ANDERSON, Ph.D., Professor of Physics.

*JACOB JORDAN, A.M., Associate Professor of Physics.

JOHN CLIFTON GARMAN, B.S., in E.E., Instructor in Physics.

EDWIN ARTHUR YUNKER, Ph.M., Instructor in Physics.

EUGENE

WILL VICTOR NORRIS, Sc.D., Associate Professor of Physics.

FRED BUCKNER MORGAN, M.S., Assistant Professor of Physics.

Zoology

CORVALLIS

NATHAN FASTEN, Ph.D., Professor of Zoology; Head of Department.

ARTHUR RUSSELL MOORE, Ph.D., Research Professor of General Physiology.

KENNETH LLEWELLYN GORDON, M.A., Assistant Professor of Zoology.

JOHN LYNN OSBORN, A.M., Instructor in Zoology.

EDITH LIDA BENEDICT, M.A., Instructor in Zoology.

EUGENE

HARRY BARCLAY YOCOM, Ph.D., Professor of Zoology.

RALPH RUSKIN HUESTIS, Ph.D., Professor of Zoology.

ROSALIND WULZEN, Ph.D., Assistant Professor of Zoology.

BY action of the State Board of Higher Education, March 7, 1932, all work in physical and biological sciences was centralized in the School of Science on the Corvallis campus. The School offers instruction in the sciences both at Eugene and Corvallis, the major work and graduate courses being confined to the latter.

The School of Science performs a three-fold function. In the first place, it provides majors in science for students who proceed to a degree of Bachelor of Arts or Bachelor of Science. The objective of such students is a liberal education. In the second place, the School of Science provides professional preparation for those students who plan to enter some scholarly occupation in the realm of science. Such students in addition to taking an undergraduate major take from one to three or more years of graduate study in science. In the third place, the School of Science provides basic and service courses for students majoring in some other field. All students need some instruction in science, those entering certain technical and professional curricula must take science courses as prerequisite to their professional training.

*On leave of absence.

Lower Division Work at Both Corvallis and Eugene. The lower division work in science departments at Eugene constitutes an essential equivalent of the lower division science work at Corvallis, and students finding it more convenient to spend their freshman and sophomore years at Eugene may transfer to Corvallis for their major work in science without loss of credit and with fundamental requirements for upper division work fully met. For the present this is not true, however, of work in bacteriology and entomology, in which no courses are offered at Eugene.

The instruction in the first two years is made as broad and liberalizing as possible, laying a solid foundation for upper division and graduate work in the various fields of science or affording preparation in basic sciences necessary for entrance to professional schools requiring science training as a prerequisite. Some of the more specialized courses prescribed by such schools as Engineering and Agriculture are offered only on the Corvallis campus.

Major Work at Corvallis. The School of Science includes on the Corvallis campus major work in bacteriology, botany, chemistry, entomology, geology, mathematics, physics, and zoology. Opportunities are afforded students who desire to prepare for teaching, research, or technical positions in these fields, and adequate facilities are available for carrying on upper division and graduate work.

Admission. Admission to the School of Science is on the basis of the Junior Certificate. Students planning to major in Science take the first two years of their college work in Lower Division, designating either biological science or physical science as their "group" of principal interest. As part of the two years' work in Lower Division the student takes a freshman and a sophomore science course in this principal-interest group.

Requirements for Graduation. For the Bachelor of Arts or Bachelor of Science degree from the School of Science the student must complete a total of 186 term hours of work, including the Lower Division work of the first two years and the junior and senior work in the School of Science. The specific requirements for these degrees are given on pages 29-30. For the requirements for the M.A., M.S., and Ph.D., degrees, see Graduate Study.

Preparatory Medical Curriculum. Courses prescribed by the American Medical Association for entrance to standard medical schools are offered at both Corvallis and Eugene. The University of Oregon Medical School requires for admission a three-year preparatory course in which there is a careful balance in elective preparation between courses in liberal arts and social sciences and courses in subjects particularly pertinent to the study of medicine. A special faculty advisory committee representing the School of Science, the School of Medicine, and the Lower Division has been provided to assure such a selection of studies as will meet the specific interests or needs of the medical student. Students may register in the Lower Division for the first two years at either Corvallis or Eugene. After receiving the junior certificate the premedical student will select, with the approval of his faculty premedical advisory committee, a major in the School of Science at Corvallis or in the College of Arts and Letters or the College of Social Science at Eugene. In the Lower Division and the junior year the student shall complete all require-

ments for a bachelor's degree other than those which he can obtain at the Medical School in order that after meeting the additional year's requirements at Portland he may receive the bachelor's degree. A student may meet the requirements for a major in science in the first year in Medical School, in which case he receives the bachelor's degree from the School of Science.

The suggested curriculum given below is recommended as meeting the needs of the majority of students preparing for entrance to the Medical School.

	Freshman Year		
	Term hours		
	1st	2d	3d
Animal Biology (Z 101, 102, 103).....	3	3	3
General Chemistry (Ch 204, 205, 206).....	4-5	4-5	4-5
English Composition (Eng 111, 112, 113).....	2-3	2-3	2-3
Military Science and Tactics (men) or General Hygiene (PE 111, 112, 113) (women).....	1	1	1
Physical Education and General Hygiene (PE 151, 152, 153) (men) or Elementary Physical Education (PE 114, 115, 116) (women).....	1	1	1
*Electives.....	4	4	4
	15-17	15-17	15-17
	Sophomore Year		
	15-17	15-17	15-17
Biology of the Vertebrates (Z 201, 202, 203).....	4	4	4
Organic Chemistry (Ch 226, 227).....	4-5	4-5	5
Quantitative Analysis (Ch 232).....	4	4	4
German or French.....	1	1	1
Military Science and Tactics (men).....	1	1	1
Advanced Physical Education (PE 251, 252, 253), men; PE 214, 215, 216, women).....	1	1	1
*Electives.....	3	3	3
	17-18	17-18	18
	Junior Year		
	17-18	17-18	18
General Physics (PH 201, 202, 203).....	4	4	4
German or French.....	4	4	4
*Electives.....	8	8	8
	16	16	16

Bacteriology

INSTRUCTION in bacteriology is planned to afford a foundation for the applied fields and a thorough training in bacteriological subjects. Such training is essential to the appreciation of the importance these subjects occupy in our civilization and serves as a foundation for advanced work leading to the graduate degrees. Since agriculture and allied fields are of vital importance to the State of Oregon, a very valuable and practical field of research is open to the student seeking advanced work of this nature in bacteriology.

DESCRIPTION OF COURSES AT CORVALLIS

LOWER DIVISION COURSES

Bac 101, 102, 103. **General Bacteriology.** Three terms, 3 hours each term.

(Elementary.) The fundamental principles of the bacteriology of food and water supplies; sanitation and hygiene; infectious disease;

*Students should confer with their premedical adviser in the selection of all electives. Nine credits in a third group (Humanities or Social Science) must be completed in the freshman and sophomore years.

sewage disposal, etc. Designed to meet the needs of students who have had no training in chemistry but who desire a general knowledge of bacteriology. Two lectures; 1 two-hour demonstration period.

Bac 201. General Bacteriology. First or second term, 3 hours.

A series of lectures, recitations, and laboratory experiments to familiarize students with the fundamental principles of bacteriology. Prerequisite: one year of chemistry. Two lectures; 2 two-hour laboratory periods.

Bac 202. General Bacteriology. Second or third term, 3 hours.

A continuation of Bac 201. A course adapted primarily to students in Home Economics. Bacteriology of food preservation, principles of sanitation, bacteriological studies of water, milk, and foods of all kinds; common infectious diseases; disinfection; germicides; and preservatives. Prerequisite: Bac 201. Two lectures; 2 two-hour laboratory periods.

Bac 203. General Bacteriology. Third term, 3 hours.

A continuation of Bac 202.

UPPER DIVISION COURSES

Bac 321, 322, 323. Bacteriology. Three terms, 3 hours each term.

(Advanced.) Beginning with the first term of the junior year, students in Agriculture and Pharmacy may elect bacteriology as a minor and continue it throughout junior and senior years. Prerequisite: Bac 201. Two lectures; 2 two-hour laboratory periods.

Bac 332. Pathogenic Bacteriology. Second term, 3 hours.

A course confined strictly to the micro-organisms which cause disease in man. Prerequisite: Bac 201. Two lectures; 2 two-hour laboratory periods.

Bac 333. Immunity and Serum Therapy. Third term, 3 hours.

A study of the theory of immunity and its application to serum therapy; preparation of toxins, anti-toxins, vaccines, etc.; study of normal and pathological blood. Prerequisite: Bac 201 or 332. Two lectures; 2 two-hour laboratory periods.

Bac 407. Seminar. Any term, 1 hour.

A discussion of the current literature on bacteriological topics.

Bac 411. Dairy Bacteriology. First term, 3 hours.

Application of bacteriology to dairy practice; physiological activities of bacteria underlying bacterial analysis of dairy products; dairy sanitation; bacteriology of diseases of dairy cattle. Prerequisite: Bac 201. Two lectures; 2 two-hour laboratory periods.

Bac 412. Dairy Bacteriology. Second term, 3 hours.

A continuation of Bac 411. A more thorough study of specific problems in dairy bacteriology and practice in special technique. Prerequisites: Bac 201, 411. One lecture; 2 two-hour laboratory periods.

Bac 413. Agricultural Bacteriology. Third term, 3 hours.

(Advanced course.) A final course in bacteriology for students in Agriculture. Application of bacterial activities to farm practices and to the farm home; rural sanitation, hygiene, control of infectious diseases, fermentations, food preservation, etc. Prerequisites: Bac 201, Ch 251. One lecture; 2 two-hour laboratory periods.

Bac 421. Soil Bacteriology. First term, 4 hours.

A study of micro-organisms of the soil and their relation to soil fertility; biochemistry of the decomposition of humus; nitrogen-fixation; ammonification, etc. Prerequisites: Bac 201, Ch 251. Two lectures; 3 two-hour laboratory periods.

Bac 422. Soil Bacteriology. Second term, 3 hours.

A continuation of Bac 421. A review of literature on soil bacteriology. Prerequisite: Bac 421. One lecture; 2 two-hour laboratory periods.

Bac 431, 432, 433. Bacteriology. Three terms, 3 hours each term.

(Advanced.) A continuation of Bac 323 comprising further training in the principles and technique of bacteriology besides directing the study along one of the main lines of bacteriology. Prerequisite: Bac 323. Two two-hour laboratory periods, 2 lectures.

Bac 441. Sanitary Bacteriology. Second term, 3 hours.

Lectures, recitations, and laboratory experiments to familiarize the student with the principles of bacteriology as applied to problems of community and municipal sanitation. Prerequisite: Bac 202. Two lectures; 2 two-hour laboratory periods.

Bac 442. Microscopy of Waters. Third term, 3 hours.

Planned to give a thorough knowledge of the micro-organisms found in surface waters. Study of the treatment of water by chemical, aeration, etc. Prerequisite: Bac 441. One lecture; 2 two-hour laboratory periods.

GRADUATE COURSES

Bac 501. Graduate Research. Term and hours to be arranged.

Bac 503. Graduate Thesis. Any term, hours to be arranged.

Botany

THE courses in botany are planned to afford a foundation for the applied fields and a thorough training in botanical subjects. Exceptional opportunities are afforded students who desire to prepare for botanical teaching and research or for technical positions that demand botanical training. The department provides an essential foundation for advanced study and research in horticulture, agronomy, forestry, grazing, and other fields. Particular attention is given to those who wish to

take up investigational work as plant pathologists, physiologists, ecologists, taxonomists, etc. in agricultural experiment stations or in the U. S. Department of Agriculture under civil service. Training in botany is an essential requirement or valuable asset for agricultural extension workers, horticultural inspectors, district agriculturists, grazing assistants, seed analysts, and pure-food experts.

The lower division courses at Eugene are intended to furnish students with an effective grounding in plant biology and laboratory methods and to meet the special requirement of such schools as Social Science and Physical Education, and also to lay a foundation for those students who may later wish to major in botany.

Students wishing to major in botany should transfer to the Corvallis campus not later than the beginning of the junior year. This transfer may be effected without loss of credit hours.

DESCRIPTION OF COURSES

AT CORVALLIS

LOWER DIVISION COURSES

Bot 101, 102, 103. **General Botany.** Three terms, 3 hours each term.

An introductory study of plant life. First term, structure and physiology of higher plants. Second term, examples of the chief groups of the plant kingdom. Third term, introduction to plant classification and basic principles of plant heredity. Three two-hour periods.

Bot 201, 202. **The Plant Groups.** First and second terms, 4 hours each term.

Typical structure and life histories of the chief groups of plants. First term, algae, fungi, liverworts and mosses. Second term, ferns, fern allies and seed plants.

Bot 203. **Classification of Flowering Plants.** Third term, 4 hours.

The principles of plant classification or taxonomy. The distinguishing characteristics of common plant families. Practice in plant identification with special reference to the Oregon flora.

Bot 251. **Forest Pathology.** Second term, 3 hours.

Elementary study of parasitic and saprophytic fungi which attack forest trees and destroy structural timber; their effects upon wood; preventive measures. Two lectures; 2 two-hour laboratory periods.

UPPER DIVISION COURSES

Bot 331. **Principles of Plant Physiology.** Third term, 3 hours.

Elementary study of the physiology of living plants with the aid of laboratory and greenhouse experiments. Prerequisite: at least one year of chemistry. Two lectures, 2 two-hour laboratory periods.

Bot 341. **Range and Pasture Botany.** First term, 3 hours.

Grasses and other forage plants of range and pasture and stock poisoning plants with practice in identification. Principles of range and

pasture management for maintaining ranges and pastures. Methods of preventing stock poisoning. Three two-hour periods.

Bot 351. **Principles of Plant Pathology.** First term, 4 hours.

Causes, symptoms, effects, methods of spread and principles of control of plant diseases with laboratory examination of typical specimens. Two recitations; 3 two-hour laboratory periods.

Bot 391. **Materials for Botany Instruction.** Third term, 3 hours.

Choice of plant materials for secondary schools, their collection, preparation, preservation, etc. Types of apparatus, texts and reference material, herbaria, etc. For prospective high school teachers. Three two-hour periods.

Bot 401. **Research.** Term and hours to be arranged.

Bot 403. **Thesis.** Term and hours to be arranged.

Bot 405. **Reading and Conferences.** Term and hours to be arranged.

Bot 407. **Seminar.** Any term, 1 hour.

For senior students in botany.

Bot 411, 412, 413. **Advanced Morphology.** Three terms, 3 hours each term.

Studies of particular groups of the plant kingdom, algae, bryophytes, pteridophytes, spermatophytes. Prerequisite: elementary botany. Offered in alternate years. Offered 1932-33.

Bot 421, 422, 423. **Advanced Plant Taxonomy.** Three terms, 3 hours each term.

Studies of special groups of higher plants. Prerequisite: elementary botany. Three two-hour periods.

Bot 425. **Paleobotany.** Third term, 4 hours.

History of fossil plants with special reference to those found in Oregon. Two lectures, 2 three-hour laboratory periods.

Bot 431, 432, 433. **Advanced Plant Physiology.** Three terms, 3 hours each term.

Studies of the physiological processes and relations of plants with reviews of literature. Prerequisites: Bot 331, organic chemistry. Offered in alternate years. Offered 1932-33. Class schedule to be arranged.

Bot 441. **Plant Ecology.** Third term, 3 hours.

Effects of environmental influences on plant activities. Should precede Bot 442, 443. Two lectures; 1 three-hour laboratory period.

Bot 442, 443. **Plant Ecology.** Two terms, 3 hours each term.

Bot 442: Plant associations and geographical relations. Not offered 1932-33. Bot 443: Anatomical adaptations of plants to environment. Offered second term, 1932-33. Class schedule to be arranged.

Bot 451, 452, 453. **Advanced Plant Pathology.** Three terms, 3 hours each term.

Bot 451: Methods used in plant pathological research. (Not offered 1932-33.) Bot 452: Diseases of field crops and vegetables. (Not offered 1932-33.) Bot 453: Fruit diseases. (Offered third term 1932-33.) Three two-hour periods.

Bot 461, 462, 463. **Introduction to Mycology.** Three terms, 3 hours each term.

The chief groups and families of fungi; their structure, reproduction and classification. Prerequisite: Bot 201 or Bot 351. Offered in alternate years. Not offered in 1932-33.

Bot 471, 472, 473. **Plant Histology and Cytology.** Three terms, 3 hours each term.

First term, microscopic anatomy of plants. Second term, practice in microtechnique. Third term, structure and reproduction of plant cells. Offered in alternate years. Offered in 1932-33.

Bot 491, 492, 493. **Assistants' Conference.** Three terms, 1 hour each term.

GRADUATE COURSES

Bot 501. **Graduate Research.** Terms and hours to be arranged.

Bot 503. **Graduate Thesis.** Terms and hours to be arranged.

Bot 505. **Graduate Reading and Conferences.** Terms and hours to be arranged.

Bot 507. **Graduate Seminar.** Any term, 1 hour.

AT EUGENE

LOWER DIVISION COURSES

Bot 101, 102, 103. **General Botany Survey.** Three terms, 3 hours each term.

An introductory study of plant life. First term, structure and physiology of higher plants. Second term, examples of the chief groups of the plant kingdom. Third term, introduction to plant classification and basic principles of plant heredity. Prerequisite to all other courses in botany. Two recitations; 1 three-hour laboratory period.

Bot 201, 202. **The Plant Groups.** First and second terms, 4 hours each term.

Typical structure and life histories of the chief groups of plants. First term, algae, fungi, liverworts and mosses. Second term, ferns, fern allies and seed plants. Two lectures; 2 three-hour laboratory periods.

Bot 203. **Classification of Flowering Plants.** Third term, 4 hours.

The principles of plant classification or taxonomy. The distinguishing characteristics of common plant families. Practice in plant identification with special reference to the Oregon flora. Two lectures; 2 three-hour laboratory periods.

Chemistry

THE Department of Chemistry aims to prepare its major students for (1) governmental service; (2) teaching positions in colleges, universities, junior colleges, and secondary schools; (3) positions as chemists and technical experts in commercial laboratories of all sorts, having to do with all types of manufactured articles; (4) positions as chemists in various food industries, dairying, experiment stations, etc.

For the better positions in any of these fields the Ph.D. degree is almost universally necessary for younger men. Research or original investigation plays a very important part in these better positions whether the work is that of governmental chemist, university professor, or industrial chemist. A strong fundamental training in all the main branches of chemistry is therefore essential. Specialization can come only after a very substantial amount of fundamental work is covered.

Positions for which the full training of the doctorate degree is not required include junior chemists in the government service, teachers in secondary schools, holders of minor positions in colleges, analysts, and control chemists in various branches of industry, experiment stations, etc.

The lower division courses in chemistry at Eugene are intended to meet the special requirements of such schools as Social Science, Physical Education, and Medicine, and also to lay a foundation for those students who may later wish to major in chemistry.

Students wishing to major in this subject should transfer to the Corvallis campus not later than the beginning of the junior year. This transfer may be effected without loss of credit hours.

DESCRIPTION OF COURSES

AT CORVALLIS

LOWER DIVISION COURSES

Ch 101, 102, 103. **Physical Science Survey.** Three terms, 4 hours each term.

Ch 201, 202, 203. **Elementary General Chemistry.** Three terms, 3 hours each term.

A short introductory course designed to fit the needs of students intending to major in Home Economics, Agriculture, Physical Education, etc.

Ch 204, 205, 206. **General Chemistry.** Three terms, 5 hours each term.

A thorough course intended for students whose major interest is in chemistry or allied fields. In the third term the laboratory work consists mainly of qualitative analysis. Two lectures; 1 recitation; 2 three-hour laboratory periods.

Ch 208, 209. **General Chemistry.** Second and third terms, 5 hours each term.

A two-term course designed to cover the same material as Ch 201, 202, 203 for students starting at the beginning of the winter term. Two lectures; 1 recitation; 2 three-hour laboratory periods.

Ch 221. **Organic Chemistry.** First term, 5 hours.

A brief study of occurrence, methods of preparation, characteristic reactions, and properties of the more common organic compounds. Prerequisite: Ch 203. Two lectures; 1 recitation; 3 two-hour laboratory periods.

Ch 226, 227. **Organic Chemistry.** First and second terms, 5 hours each term.

A substantial two-term sequence in the chemistry of the carbon compounds; the aliphatics, aromatics, and derivatives. Prerequisite: Ch 206. Two lectures; 1 recitation; 2 three-hour laboratory periods.

Ch 231. **Qualitative Analysis.** First term, 3 to 5 hours.

Classification, separation, identification of the common ions and cations. Prerequisite: Ch 206 or equivalent.

Ch 232. **Quantitative Analysis.** Second or third term, 5 hours.

Elementary quantitative analysis. Two lectures; 3 three-hour laboratory periods.

Ch 233. **Quantitative Analysis.** Third term, 3 to 5 hours.

Continuation of Ch 232.

Ch 251. **Elementary Biochemistry.** Second or third term, 5 hours.

A study of proteins, carbohydrates, and fats; qualitative and quantitative analysis of these food products, and chemical changes which they undergo in the process of digestion and metabolism. The subject-matter varies somewhat with the need and interest of the students enrolled. Prerequisite: Ch 221 or 226. Two lectures; 1 recitation; 3 two-hour laboratory periods.

UPPER DIVISION COURSES

Ch 320. **Elementary Chemical Microscopy.** One term, 3 hours.

Use of the microscope in analysis of diverse materials. Prerequisites: Ch 206 and physics.

Ch 330. **Elementary Physiological Chemistry.** Third term, 5 hours.

An elementary treatment of the chemistry of physiology. This course is designed to follow Ch 251 for students whose preparation will not allow a fuller course. Prerequisite: Ch 251.

Ch 340. **Elementary Physical Chemistry.** One term, 3 hours.

A non-mathematical course designed for those who desire a knowledge of the elements of physical chemistry. Discussion of such topics as kinetic theory, atomic structure, molecular weights, classification of elements, solubility, ionization, colloids, hydrogen-ion measurements, and electro-chemistry. Prerequisite: Ch 203 or equivalent.

Ch 351, 352, 353. **Agricultural and Biochemical Analysis in Specialized Fields.** Three terms, 3 hours each term.

Students registering in this course may select work in the various fields of applied agricultural chemistry such as the analysis of soils, dairy products, fruit and vegetable products, etc. Prerequisite: Ch 232. Three three-hour laboratory periods.

Ch 370. **Glass Blowing.** One term, 1 hour.

Elementary practice in the manipulation of glass. One laboratory period.

Ch 403. **Senior Thesis.** Terms and hours to be arranged.

Ch 411, 412, 413. **Advanced Inorganic Chemistry.** Three terms, 2 hours each term.

The chemical elements are first discussed as regards their practical and theoretical importance. Finally, such topics as radioactivity, the periodic table, and atomic structure are taken up. A minimum of two-years' work in chemistry is prerequisite. Two lectures a week.

Ch 414, 415. **Inorganic Preparations.** Terms and hours to be arranged.

The preparation and purification of typical inorganic compounds.

Ch 418. **History of Chemistry.** Second term, 2 hours.

Rise and development of chemical theories and laws. Prerequisite: Ch 206 or equivalent.

Ch 420, 421, 422. **Advanced Analytical Chemistry.** Three terms, 3 hours each term.

This laboratory course acquaints the student with special analytical procedure such as those of electro-analysis, fuel analysis, water, iron and steel, etc.

Ch 423. **Microchemical Analysis.** One term, 3 hours.

Quantitative analysis by micro-methods. Prerequisite: Ch 233.

Ch 424. **Gas Analysis.** One term, 3 hours.

Prerequisite: Ch 233.

Ch 425. **Optical Methods of Analysis.** One term, 3 hours.

Basic principles and laboratory practice in the use of optical instruments in chemical analysis and in the investigation of physico-chemical phenomena.

Ch 430, 431, 432. **Organic Chemistry.** Three terms, 4 hours each term.

The chemistry of the compounds of carbon. Deals with compounds which are important from the theoretical, technical, and biological standpoints. The first two terms are devoted to aliphatic compounds and the third term to those of the aromatic series. Prerequisite: two years of college chemistry. Three lectures; 1 laboratory period.

Ch 433. **Organic Analysis.** Third term, 5 hours.

Qualitative tests and analysis of organic compounds and mixtures. Prerequisites: Ch 227, 232, 432. Two lectures; 3 three-hour laboratory periods.

Ch 434. **Organic Combustion Analysis.** One term, 3 hours.

Quantitative analysis of organic compounds. Prerequisites: Ch 227, 232, 432.

Ch 435, 436. **Organic Preparations.** Terms and hours to be arranged.

The more important methods of synthesis, such as Grignard's, Friedel-Craft's, Perkins' reaction, and others are studied. Prerequisite: Ch 227 or Ch 432.

Ch 437, 438. **Organic Chemistry.** First and second terms, 2 hours each term.

A continuation of Ch 430, 431, 432. Emphasis placed upon the methods of synthesis, interpretation of reactions, and structure of organic compounds. Two lectures.

Ch 440, 441, 442. **Physical Chemistry.** Three terms, 4 hours each term.

A study of the more important principles of physical and electrochemistry. The laboratory work includes molecular weight determinations, properties of liquids, conductance of solutions, velocity of reactions, and electrochemical measurements. Two lectures; 2 three-hour laboratory periods.

Ch 443. **Chemical Literature.** Any term, 1 hour.

A course designed to give the student facility in the use of source material in chemistry and chemical technology.

Ch 444. **Special Topics in Physical Chemistry.** One term, 2 hours.

Ch 445, 446. **Chemical Thermodynamics.** Two terms, 3 hours each term.

A study of chemical equilibrium and electrochemistry from the standpoint of free energy. Three lectures.

Ch 447. **Electrochemistry.** One term, 3 hours.

A study of theoretical and applied electrochemistry.

Ch 448, 449. **Colloidal Chemistry.** Two terms, 3 hours each term.

Three lectures.

Ch 450, 451. **Biochemistry.** First and second terms, 3 to 5 hours each term.

A general course dealing with the chemistry of both plant and animal organisms, their tissue constituents, nutrition and metabolism. Prerequisite: organic chemistry.

Ch 452. **Animal Physiological Chemistry.** Third term, 5 hours.

Prerequisite: Ch 451.

Ch 453. **Plant Physiological Chemistry.** Third term, 5 hours.

Prerequisite: Ch 451.

Ch 460, 461, 462. **Pulp and Paper Chemistry.** Three terms, 3 hours each term.

A study of the chemistry of cellulose and of the fundamental, chemical processes of the pulp and paper industry.

Ch 467. **Colloidal Chemistry Laboratory.** One term, 2 hours.

GRADUATE COURSES

- Ch 501. **Research.** Any term, hours to be arranged.
- Ch 503. **Graduate Thesis.** Three terms, hours to be arranged.
Special problems in chemistry.
- Ch 507. **Seminar.** Any term, 1 hour.
Required of all graduate students.
- Ch 520, 521, 522. **Advanced Analytical Chemistry.** Three terms, hours to be arranged.
Special analytical procedures adapted to those enrolling.
- Ch 530, 531, 532. **Advanced Organic Chemistry.** Three terms, 2 hours each term.
The theoretical aspects of the subject are emphasized by discussion of theories of valence, chemical reactivity, free radicals, catalysis, etc., as these are related to particular groups of compounds.
- Ch 540, 541, 542. **Advanced Physical Chemistry.** Three terms, 2 hours each term.

AT EUGENE

LOWER DIVISION COURSES

- Ch 101, 102, 103. **Physical Science Survey.** Three terms, 4 hours each term.
- Ch 201, 202, 203. **Elementary General Chemistry.** Three terms, 4 hours each term.
A short introductory course designed to fit the needs of students intending to major in Home Economics, Agriculture or Physical Education or closely allied fields.
- Ch 204, 205, 206. **General Chemistry.** Three terms, 4 hours each term.
A thorough course intended for students whose major interest is in chemistry or allied fields. In the third term the laboratory work consists mainly of qualitative analysis. Two lectures; 1 recitation; 2 three-hour laboratory periods.
- Ch 220. **Continuation Chemistry.** First term, 4 hours.
A one-term course designed to supplement and extend the work of the general chemistry course, Ch 201, 202, 203. For medical students.
- Ch 226, 227. **Organic Chemistry.** Two terms, 4 hours each term.
A two-term sequence in the chemistry of the carbon compounds; the aliphatics, aromatics, and derivatives.
- Ch 231. **Qualitative Analysis.** First term, 4 hours.
Classification, separation, identification of the common ions and cations. Prerequisite: Ch 206 or equivalent. Two lectures; 3 three-hour laboratory periods.

Ch 232. **Quantitative Analysis.** Second or third term, 5 hours.

Elementary quantitative analysis. Two lectures; 3 three-hour laboratory periods.

Ch 233. **Quantitative Analysis.** Third term, 3 to 5 hours.

Continuation of Ch 232. Two lectures; 3 three-hour laboratory periods.

UPPER DIVISION SERVICE COURSES

Ch 440, 441, 442. **Physical Chemistry.** Three terms, 4 or 5 hours each term.

A study of the more important principles of physical and electrochemistry. The laboratory work includes molecular weight determinations, properties of liquids, conductance of solutions, velocity of reactions, and electrochemical measurements. Two lectures; 2 three-hour laboratory periods. Offered 1932-33 only.

Entomology

ENTOMOLOGY courses are planned to acquaint the student with the proper relationship of entomology to general agriculture, to train students for commercial honey production, to prepare students for State and Federal service in economic entomology, and to meet the needs of students from other departments who desire work in entomology. Three fields of advanced work are offered: applied entomology, bee culture, and forest entomology.

Advanced courses are planned to equip students specializing in entomology with a fundamental ground-work in the science sufficient to prepare them for effective service in applied entomology and to fit them for advanced research study.

DESCRIPTION OF COURSES

AT CORVALLIS

LOWER DIVISION COURSES

Ent 201. **Principles of Economic Entomology.** Any term, 3 hours.

Designed primarily for Agriculture students. A consideration of typical economic forms of insects in the principal orders and more important families, and of the principles of insect-pest control. Prerequisite: Z 130. Three recitations; 1 two-hour laboratory period.

Ent 202. **General Entomology.** Third term, 3 hours.

Collection, preservation, and elementary classification of insects. In field collecting, the biological aspects are emphasized. Life-history studies in the field and laboratory receive attention. One recitation; 2 two-hour laboratory periods.

Ent 231, 232, 233. **Commercial Bee Culture.** Three terms, 3 hours each term.

Designed primarily for the student planning to take up commercial honey production. Study of the selection and preparation of equipment; biology and life-history of the honey-bee; honey flora; fall, winter, spring, and summer management; marketing; disease control. Two recitations; 1 three-hour laboratory period.

Ent 234. **Entomology for Engineers.** First or third term, 2 hours.

Designed to acquaint Engineering students, who will deal with timbers, lumber, and wood products, with the defects in wood caused by insects and how to combat them. Two lectures.

Ent 235. **Bee Culture.** Third term, 3 hours.

A practical course in actual apiary manipulations designed primarily for students interested in horticulture. The College has a small apiary where the simpler manipulations may be mastered. Two recitations; 1 three-hour laboratory period.

UPPER DIVISION COURSES

Ent 311. **Entomological Field Work.** Term and hours to be arranged.

Field work, performed between sophomore and junior years or between junior and senior years, in connection with some State or Federal service; a written report based on an approved outline. Spring, summer, or fall; for summer work registration should be made and fee paid before close of third term. Prerequisite: permission of instructor.

Ent 321. **Principles of Forest Entomology.** First term, 3 hours.

A general introduction to entomology for Forestry students. A survey of the forest losses due to insects, the groups responsible and a consideration of typical examples of the various groups and methods of prevention and control. Required of Forestry and Logging Engineering students. Two lectures; 1 two-hour laboratory period.

Ent 322, 323. **Forest Entomology.** Second and third terms, 3 hours each term.

An intensive study of insects injurious to forests and forest products, forest insect surveys, and the principles of forest insect control. Prerequisite: Ent 321. Three lectures; 1 two-hour laboratory period.

Ent 351. **Insect Morphology.** First term, 3 hours.

A study of the fundamentals of external, internal, and comparative morphology of insects including adaptive structures and their utility, and wing venation. Especial attention is given to structures used in classification. Prerequisite: Ent 201. One recitation; 2 two-hour laboratory periods.

Ent 352. **Entomological Nomenclature and Literature.** Second term, 1 hour.

A survey of rules, regulations and practices in entomological nomenclature; the International Code; sources of entomological literature; Bureau of Entomology; periodicals and books; bibliographies.

Ent 353. **Historical Entomology.** First term, 3 hours.

The insects of the ancients; early works on entomology; beginnings in America; early entomological workers in America; introduced pests; development of the Bureau of Entomology; early work in Oregon.

Ent 407. **Seminar.** Any term, 1 hour.

Reading, discussing, and abstracting of the leading articles on entomological topics as they appear in current scientific literature. May be repeated for additional credit without duplication.

Ent 411, 412, 413. **Economic Entomology.** Three terms, 3 hours each term.

An intensive consideration of specific insect pests of farm, garden, and orchard, man, and domestic animals, particularly of the Pacific Coast, and their control; latest developments in insecticides and their uses. Prerequisite: Ent 201. Two recitations or lectures; 1 two-hour laboratory period.

Ent 415. **Principles of Insect Control.** Term and hours to be arranged.

Pests of special groups, such as fruit insects, truck crop insects, insects affecting man and animals, greenhouse and field crop insects; control measures and principles.

Ent 423. **Forest Entomology.** Any term, 4 hours.

(Advanced course.) An intensive study of the bark beetles injurious to forest trees. Prerequisite: Ent 323 or equivalent. Two lectures; 2 two-hour laboratory periods. Associate Professor Chamberlin.

Ent 424. **Forest Insect Problems.** Term and hours to be arranged.

Research work on special problems relating to forest insect control; life-history problems; preparation of bibliographies, etc. Prerequisite: Ent 323.

Ent 451, 452, 453. **Insect Taxonomy.** Three terms, 3 hours each term.

The classification of insects of the several orders; intensive study of insects of selected groups; attention to phylogenetic relationships and distribution. Prerequisite: Ent 351. Two recitations; 1 three-hour laboratory period.

Ent 461, 462, 463. **Special Studies.** Three terms, hours to be arranged.

For students specializing in entomology. Investigation of special problems or advanced studies not included in regular courses.

Ent 471. **Insect Morphology.** Term and hours to be arranged.

Anatomy, histology, embryology, and postembryological development of insects, with technique in histological methods as applied to insects. Prerequisite: Ent 351.

Ent 472, 473. **Insect Ecology.** Second and third terms, 5 hours each term.

A study of insects in relation to their surroundings, considering the interrelations of insects with each other and with other animals

and plants; influence of climate and other natural phenomena upon the distribution and activities of insects and application of these factors to economic entomology. Prerequisite: Ent 201, Two recitations; 2 three-hour laboratory periods.

GRADUATE COURSES

Ent 501. **Graduate Research.** Terms and hours to be arranged.

For graduate students. Students select problems in applied entomology; problems in insect ecology, taxonomy, or morphology; emphasis on methods in research.

Ent 503. **Graduate Thesis.** Terms and hours to be arranged.

Prosecution of special studies by graduate students and preparation of thesis for advanced degree.

Geology

THE courses in geology are planned to afford a foundation in the allied fields and a thorough training in geological subjects. Such training is essential to an appreciation of the importance these subjects occupy in our civilization and serves as a foundation for advanced work leading to the graduate degrees.

The State of Oregon offers unusually rich fields for the graduate student working in many phases of physiographical, geological, or paleontological sciences. The department is equipped to afford facilities for graduate work in these fields.

The lower division courses at Eugene are intended to meet the special requirements of such schools as Social Science and Physical Education, and also to lay a foundation for those students who may later wish to major in geology.

Students wishing to major in geology should transfer to the Corvallis campus not later than the beginning of the junior year. This transfer may be effected without loss of credit.

DESCRIPTION OF COURSES

AT CORVALLIS

LOWER DIVISION COURSES

G 101, 102, 103. **Physical Science Survey.** Three terms, 4 hours each term.

A general introductory course in the field of the physical sciences, embracing cosmical relations, principles of physics and chemistry, geologic processes, and man's reaction to them. Especial emphasis is laid upon development and applications of the scientific method.

G 201, 202. **General Geology.** First and second terms, 3 hours each term.

An elementary course dealing with those processes of nature by which the surface of the earth has been built up, deformed, and torn down. A study of the natural history and occurrence of the common rocks and useful minerals. Three lectures; 1 laboratory or field period.

G 203. **Historical Geology.** Third term, 3 hours.

An outline of the geological history of the earth, with special reference to the development of the North American continent. Prerequisites: G 201, 202 or a satisfactory course in high school physiography. Three lectures; 1 laboratory or field period.

G 204, 205. **General Geology Laboratory.** First and second terms, 1 hour each term.

G 206. **Historical Geology Laboratory.** Third term, 1 hour.

G 280. **Introduction to Field Geology.** Term and hours to be arranged.

A course which may be conducted in the summer, during which time trips to regions of significant geology will be taken. This course is available to students in geology who wish to learn something of geology in nature's own laboratory. Prerequisites: G 201, 202.

UPPER DIVISION COURSES

G 312, 313, 314. **Methods for the Determination of Materials.** Three terms, 4 hours each term.

Physical and chemical methods useful in the recognition of the materials of which the earth is composed. Especial attention given to microphysical and microchemical methods. Prerequisite: chemistry.

G 321. **Structural Geology.** Third term, 4 hours.

Study of origin, interpretation and mapping of minor rock structures and of joints, faults, and folds. Prerequisite: G 201, 202. Three lectures; 1 laboratory or field period.

G 322. **Physiography.** Second term, 4 hours.

Emphasis will be laid upon the physiographic cycle with a view to elaborating the general principles. Prerequisites: G 201, 202. Three lectures; 1 laboratory or field period.

G 323. **Stratigraphy.** First term, 4 hours.

The genesis and subsequent history of stratified rocks including a study of the geologic processes concerned with sedimentation and cementation. Prerequisites: G 201, 202, 203. Three lectures; 1 laboratory or field period.

G 324. **Engineering Geology.** One term, 3 hours.

A special course covering the general field from the engineering standpoint.

G 330. **Development and History of Life.** First term, 3 hours.

A brief discussion of the origin of life on the earth and an outline of the history of life.

G 331. **Geologic History of Vertebrates.** Second term, 3 hours.

A brief consideration of the rise and development of the vertebrates with especial emphasis on certain groups of ancient animals that once lived on the Pacific Coast.

G 332. Geologic History of Man. Third term, 3 hours.

A study of the physical and cultural development of the ancient types of men, as shown by their fossil remains, their implements and art.

G 340, 341. Invertebrate Paleontology. Two terms, 4 hours each term.

A study of major groups of fossil invertebrates and the characteristics of important West Coast genera. Two class periods and laboratory periods a week. (The third term of the year-sequence is Bot 425.)

G 380. Advanced Field Geology. Nine hours.

A general course in geologic mapping and surveying methods and an intensive study of a small area so chosen as to include a wide range of special problems. This work is conducted in a summer camp of four weeks. The course may be taken with full credit for a series of summers, since a different area is studied each season.

G 407. Seminar. Any term, 1 hour each term.

Open to advanced major students of this and related departments for the consideration of research material and a review of the current technical literature.

G 411. Advanced Geology. One term, hours to be arranged.

Special work assigned to meet the requirements of advanced students.

G 412, 413, 414. Earth Materials. Three terms, 4 hours each term.

The description, occurrence, origin, uses, and distribution of minerals, igneous, sedimentary, metamorphic rocks, and metallic ores. Laboratory work with hand specimens and microphysical and microchemical studies of fragments, slices and polished sections. Prerequisite: A knowledge of methods for determination of materials.

G 424. Advanced Paleontology. Term and hours to be arranged.

Special work assigned to meet the requirements of the advanced student.

G 425. Mesozoic Faunas. First term, 4 hours.

A consideration of the character, migrations, and successions of the Mesozoic West Coast faunas, including a laboratory study of typical species from the various horizons. Two lectures; 2 laboratory periods. Prerequisites: stratigraphy and paleontology.

G 426. Tertiary Faunas. Second term, 4 hours.

A study of the faunal aspects of the principal West Coast horizons, and the determination of characteristic index fossils. Two lectures; 2 laboratory periods. Prerequisites: stratigraphy and paleontology.

G 431. Geologic History of North America. One term, 4 hours.

The geologic development of the North American continent. Prerequisite: stratigraphy.

- G 432. **Geologic History of the Pacific Coast.** One term, 4 hours.
The geologic history of the Pacific Coast of North America. Prerequisites: stratigraphy and paleontology.
- G 433. **Geologic History of Pacific Countries.** Third term, 3 hours.
A study of the broad problems of the Pacific region. Prerequisites: G 201, 202, 321, 323.

GRADUATE COURSES

- G 501. **Graduate Research.** Term and hours to be arranged.
Geology or paleontology.
- G 503. **Graduate Thesis.** Term and hours to be arranged.
- G 505. **Applied Geology.** Term and hours to be arranged.
Advanced study in the application of geology to engineering and economic problems.
- G 507. **Graduate Seminar.** Any term, 1 hour.
- G 512, 513, 514. **Microscopy.** Three terms, hours to be arranged.
A course on the use and theory of the microscope in the recognition and determination of the properties of organic and inorganic materials.
- G 520. **Advanced Economic Geology.** Term and hours to be arranged.
Special work assigned to meet the requirements of advanced students in metallic and non-metallic mineral deposits.
- G 580. **Graduate Field Geology.** Term and hours to be arranged.
Advanced field problems assigned to meet the requirements of the graduate student.

AT EUGENE

LOWER DIVISION COURSES

- G 101, 102, 103. **Physical Science Survey.** Three terms, 4 hours each term.
A general introductory course in the field of physical sciences.
- G 201, 202. **General Geology.** First and second terms, 3 hours each term.
An elementary course dealing with those processes of nature by which the surface of the earth has been built up, deformed, and torn down. Three lectures; 1 laboratory or field period.
- G 203. **Historical Geology.** Third term, 3 hours.
An outline of the geological history of the earth, with special reference to the development of the North American continent. Prerequisites: G 201, 202. Three lectures; 1 laboratory or field period.
- G 204, 205. **General Geology Laboratory.** First and second terms, 1 hour each term.
- G 206. **Historical Geology Laboratory.** Third term, 1 hour.

G 280. **Introduction to Field Geology.** Terms and hours to be arranged.

A course which may be conducted in the summer available to students in geology who wish to study in nature's own laboratory. Prerequisites: G 201, 202.

Mathematics

MATHEMATICS courses are intended to meet the needs of the following groups: first, those students seeking mental discipline through the study of an exact science; second, those desiring a mathematical basis for the study of the pure and applied sciences; third, those preparing to be teachers of mathematics in high schools; fourth, those desiring to proceed to graduate work in mathematics.

The courses at Eugene are intended to meet the needs of the following groups: those students seeking mental discipline through the study of an exact science; those students in the social or physical sciences needing a sound foundation for scientific work in their special fields.

Students wishing to major in mathematics should transfer to the Corvallis campus not later than the beginning of the junior year. This transfer may be effected without loss of credit hours.

DESCRIPTION OF COURSES

AT CORVALLIS

LOWER DIVISION COURSES

Mth 24. **Algebra.** First term, no credit.

For students entering with only two terms of high school algebra. Daily meetings.

Mth 25. **Corrective Algebra.** First term, no credit.

For students who fail to pass the placement examination. Daily meetings.

Mth 105, 106, 107. **Unified Mathematics.** Three terms, 4 hours each term.

Graphs, algebra, elements of calculus, trigonometry, and analytic geometry.

Mth 108. **Mathematics of Finance.** One term, 4 hours.

Courses Mth 105, 106, 108 form a year-sequence for Business Administration students.

Mth 109. **Elements of Statistics.** One term, 4 hours.

Mth 105, 106, 109 form a year-sequence for Forestry freshmen.

Mth 111. **Algebra.** One term, 3 hours.

Mth 121, 122, 123. **Trigonometry and Elementary Analysis.** Three terms, 5 hours each term.

For Engineering students entering without trigonometry.

Mth 131, 132, 133. Mathematical Analysis. Three terms, 5 hours each term.
For Engineering students entering with trigonometry.

Mth 201, 202, 203. Differential and Integral Calculus. Three terms, 4 hours each term.
Prerequisite: Unified Mathematics or equivalent.

Mth 204, 205, 206. Differential and Integral Calculus. Three terms, 4 hours each term.
Prerequisite: Mathematical analysis or its equivalent.

UPPER DIVISION COURSES

Mth 311. History of Mathematics. One term, 3 hours.
A course tracing the development of ancient, medieval, and modern mathematics. Prerequisite: Unified Mathematics or equivalent.

Mth 411. Theory of Equations and Determinants. One term, 3 hours.
Properties and methods of solution of algebraic equations, and a brief study of determinants and their applications. Prerequisite: Unified Mathematics or equivalent.

Mth 412. Higher Algebra. One term, 3 hours.
A more advanced treatment of topics in earlier courses, together with much new material. Not offered 1932-33. To be offered 1933-34. Prerequisite: Unified Mathematics or its equivalent.

Mth 413. Advanced Analytic Geometry. One term, 3 hours.
A more advanced treatment of the subject and intended for students of fair mathematical maturity. Not offered in 1932-33. To be offered 1933-34. Prerequisite: Unified Mathematics or its equivalent.

Mth 414. Solid Analytic Geometry. One term, 3 hours.
A course dealing with lines and planes in space, surfaces of the second degree, and a brief discussion of surfaces in general. Prerequisite: Unified Mathematics or its equivalent. Not offered 1932-33. To be offered 1933-34.

Mth 415. Modern Geometry.
A study of the recent developments in synthetic Euclidean geometry. Prerequisite: Unified Mathematics or equivalent. Not offered 1932-33. To be offered 1933-34.

Mth 416. Projective Geometry. One term, 3 hours.
Prerequisite: calculus.

Mth 420. Numerical Calculus. One term, 3 hours.
Finite differences, interpolation, numerical differentiation and integration, and numerical solution of differential equations. Prerequisite: differential equations. (Offered if sufficient demand.)

Mth 421, 422. Differential Equations. Two terms, 3 hours each term.

A practical course in the solution of ordinary and partial differential equations. Prerequisite: calculus.

Mth 423. Hyperbolic Functions. One term, 3 hours.

Prerequisite: calculus.

Mth 424. Theory of Measurements. One term, 3 hours.

Theory of errors, method of least squares, and adjustment of observations. Prerequisite: calculus. Not offered 1932-33. To be offered 1933-34.

Mth 425. Vector Analysis. One term, 3 hours.

Prerequisite: calculus. Not offered 1932-33. To be offered 1933-34.

Mth 426. Mathematical Theory of Probability. One term, 3 hours.

A course for advanced students. Prerequisite: calculus.

Mth 431, 432. Advanced Calculus. Two terms, 3 hours each term.

Selected topics not covered in the first year of calculus. Prerequisites: Mth 421, 422. (Offered if sufficient demand.)

Mth 441, 442. Mathematical Theory of Statistics. Two terms, 3 hours each term.

A course for advanced students. Prerequisite: calculus.

GRADUATE COURSES

Mth 503. Thesis. Terms and hours to be arranged.

Mth 507. Seminar. Terms and hours to be arranged.

Mth 511, 512. Functions of a Complex Variable. Two terms, 3 hours each term.

An introduction to analytic functions, fundamental for advanced study in mathematics.

Mth 514. Calculus of Variations. One term, 3 hours.

Mth 521, 522, 523. Differential Equations of Mathematical Physics. Three terms, 3 hours each term.

Ordinary and partial linear differential equations and boundary value problems, with applications. Not offered 1932-33. To be offered 1933-34.

Mth 531, 532, 533. Advanced Analytical Mechanics. Three terms, 3 hours each term.

Offered 1933-34.

AT EUGENE

LOWER DIVISION COURSES

Mth 104, 105, 106, 107, 108. **Unified Mathematics.** Three terms, 4 hours each term.

So-called "Unified Mathematics" consists of one of the following sequences of courses listed below: Mth 104, 105, 106; Mth 104, 105, 108; Mth 105, 106, 107; Mth 105, 106, 108.

Mth 104. **Intermediate Algebra.** One term, 4 hours.

Mth 105. **Elementary Analysis.** One term, 4 hours.

Mth 106. **Plane Trigonometry.** One term, 4 hours.

Mth 107. **Analytical Geometry.** One term, 4 hours.

Mth 108. **Mathematics of Finance.** One term, 4 hours.

Mth 109. **Elements of Statistics.** One term, 3 hours.

Of growing importance in numerous fields. Prerequisites: Mth 104, 105, 106, or equivalent. Given 1933-34.

Mth 200. **Analytical Geometry.** First term, 4 hours.

Prerequisites: advanced algebra and plane trigonometry, and Mth 105, 106. See note under Mth 201, 202.

Mth 201, 202. **Differential and Integral Calculus.** Second and third terms, 4 hours each term.

An introductory course for literary and scientific students. Prerequisite: Mth 200 or Unified Mathematics. Note: The sequence, Mth 201, 202, 203 may be taken as a sophomore year-sequence applicable in satisfying group requirements.

Mth 201, 202, 203. **Differential and Integral Calculus.** Three terms, 4 hours each term.

Standard course for all workers in the physical or social sciences. Prerequisite: Mth 200 or Mth 105, 106, 107.

Mth 214. **Higher Algebra.** One term, 3 hours.

(Given in 1932-33.) An extension of the algebra given in Unified Mathematics. Prerequisites: Mth 104, 105, 106 or equivalent.

Mth 215. **Analytical Trigonometry.** One term, 3 hours.

(Given in 1932-33.) Prerequisites: Mth 104, 105, 106 or equivalent.

Mth 216. **Synthetic Geometry.** One term, 3 hours.

(Given in 1933-34.) Modern developments in geometry based on the plane geometry of Euclid. Prerequisites: Mth 104, 105, 106 or equivalent.

Mth 217. **Elements of Projective Geometry.** One term, 3 hours.

(Given in 1933-34.) Prerequisites: Mth 104, 105, 106 or equivalent.

Mth 219. History of Elementary Mathematics. One term, 3 hours.

(Given in 1932-33.) A course covering ancient, medieval, and modern mathematics, designed to bring out the great human interest of this most ancient and most modern of the sciences. Prerequisites: Mth 104, 105, 106, or equivalent.

Physics

STUDENTS planning to major in physics should offer a maximum of high school mathematics and physics for entrance. The lower division program should include mathematics through the calculus, general chemistry, and ordinarily two years of physics. Those planning for graduate study and research should also lay the foundations of a reading knowledge of German or French, or both. In special cases courses in closely related departments, involving a considerable study of physical principles, may be accepted as major work.

The lower division program for students at Eugene intending to complete a major in physics at Corvallis or elsewhere should include mathematics through calculus, general chemistry, and ordinarily two years of physics.

Students wishing to major in this subject should transfer to the Corvallis campus not later than the beginning of the junior year. This transfer may be effected without loss of credit hours.

DESCRIPTION OF COURSES

AT CORVALLIS

LOWER DIVISION COURSES

Ph 101, 102, 103. Physical Science Survey. Three terms, 4 hours each term.

Ph 111, 112, 113. Engineering Physics. Three terms, 3 hours each term.

A course in general physics adapted to students in Engineering. One lecture; 2 recitations; 2 one-hour laboratory periods.

Ph 114. General Physics. First term, 3 hours.

A continuation of the former Ph 111, 112, 113 required of Pharmacy students. Will be given in 1932-33 only.

Ph 161. Rudiments of Photography. One term, 2 hours.

A manipulation course intended for students not having the science prerequisites for Ph 261. One lecture; 2 two-hour laboratory periods.

Ph 201, 202, 203. General Physics. Three terms, 4 hours each term.

A general course covering mechanics sound, heat, light, electricity, and an introduction to the modern physics. Prerequisites: Mth 105, 106 or an acceptable equivalent. Three lectures or recitations; 1 two-hour laboratory period.

Ph 205, 206. **General Physics.** Second and third terms, 5 or 6 hours each term.

The same general subject-matter as Ph 201, 202, 203 covered in two terms. May be taken by engineering students as an equivalent for Ph 101, 102, 103. Four lectures or recitations; 1 or 2 three-hour laboratory periods.

Ph 211, 212, 213. **Advanced Physics.** Three terms, 3 hours each term.

An extension of Ph 111, 112, 113 or Ph 201, 202, 203, recommended to students in engineering and to physics majors as a basis for the more advanced courses in the department. Prerequisites: one year of college physics and an elementary knowledge of calculus. Two lectures; 1 three-hour laboratory period.

Ph 214. **Physics for Home Economics Students.** One term, 5 hours.

A brief descriptive course with such applications as are of greatest interest to students in Home Economics. Five lectures or recitations; 2 two-hour laboratory periods.

Ph 261, 262, 263. **Photography.** Three terms, 3 hours each term.

Theoretical and practical phases of the subject. First term: hand camera, photographic processes, enlarging, lantern slides, etc. Second term: special techniques. Third term: special problems. Prerequisite: physics or chemistry. Two lectures or recitations; 2 two-hour laboratory periods.

Ph 281. **Laboratory Arts.** Term and hours to be arranged.

The construction, repair, and adjustment of physical apparatus. If desired, the study of the administration of the physical laboratory and points regarding home-made apparatus for high schools. Lectures, assigned readings, and laboratory.

Ph 291. **Meteorology.** One term, 3 hours.

A treatment of the physical phenomena presented by the earth's atmosphere. Three lectures.

Ph 293. **Descriptive Astronomy.** Third term, 3 hours.

A brief elementary course covering the most important points relating to the heavenly bodies. Descriptive rather than mathematical in character. Three recitations or their equivalent in lectures and observational work, depending upon weather conditions.

UPPER DIVISION COURSES

(Ph 211, 212, 213 and Calculus are prerequisite to all upper division courses except Ph 331, 332, 333, 360, 381, 396).

Ph 321, 322, 323. **Analytical Mechanics.** Three terms, 3 hours each term.

First term, statics; second term, dynamics of a particle; third term, dynamics of a rigid body. Three lectures or recitations.

Ph 331, 332, 333. **Radio Communication.** Three terms, 3 hours each term.

Theory of radio transmission and reception; study of vacuum tubes; radio and audio frequency measurements; special problems. Two lectures or recitations; 1 laboratory period.

Ph 334, 335, 336. **Electrical Measurements.** Three terms, 3 hours each term.

The more fundamental electrical quantities and their interrelations. Direct current measurements; the magnetic properties of iron; the introduction to alternating current theory and measurements; transient electrical phenomena. Two lectures; 1 three-hour laboratory period.

Ph 343. **Acoustics.** One term, 3 hours.

A study of the acoustics of buildings. Three lectures; occasional laboratory.

Ph 360. **Advanced Photography.** One term, 3 hours.

Work in special fields, such as color-photography, photo-micrography. Prerequisite: Ph 263. One lecture; 2 two-hour laboratory periods.

Ph 381. **History of Physics.** One term, 3 hours.

Three lectures.

Ph 391, 392, 393. **General Astronomy.** Three terms, 3 hours each term.

An advanced course dealing with the problems of the celestial universe. Three lectures, with an occasional evening of observation.

Ph 396. **Practical Astronomy.** One term, 3 hours.

Determination of time, latitude, longitude, and azimuth by astronomical methods. Prerequisites: Ph 293 and trigonometry. One lecture; 2 observation periods.

Ph 403. **Advanced Laboratory.** Term and hours to be arranged.

Special topics, including senior thesis.

Ph 405. **Readings and Conferences.** Term and hours to be arranged.

Readings and reports on special topics.

Ph 431, 432, 433. **Recent Developments in Electricity.** Three terms, 3 hours each term.

Review of classical theory; including Maxwell's equations; discharge through gases; thermoelectricity; photoelectricity; X-rays; radioactivity; quantum theory; vacuum technique. Two lectures; 1 three-hour laboratory period.

Ph 461. **Physical Optics.** One term, 3 hours.

A study of the usual optical phenomena and the theory of optical instruments. Two lectures; 1 three-hour laboratory period.

Ph 464. **The Physics of Light Production.** One term, 3 hours.

A study of radiation and the development of modern illuminants. Two lectures; 1 three-hour laboratory period.

Ph 471, 472, 473. **Introduction to Modern Physics.** Three terms, 3 hours each term.

Dealing with cathode, canal and X-rays, ionization of gases, photoelectricity, radioactivity, atomic structure, thermoelectricity, metallic conduction, radiation and wave mechanics. Prerequisite: general chemistry. Three lectures.

GRADUATE COURSES

- Ph 501. **Research and Investigation.** Terms and hours to be arranged.
- Ph 503. **Graduate Thesis.** Terms and hours to be arranged.
Qualified students will have all the facilities of the laboratory at their disposal and will receive the advice and assistance of the department.
- Ph 505. **Readings and Conferences.** Terms and hours to be arranged.
- Ph 507. **Seminar in Current Topics.** Terms and hours to be arranged.
- Ph 521. **Potential Theory.** One term, 3 hours.
A study of the Newtonian and other potential functions. Three lectures.
- Ph 522. **Theory of Elasticity.** One term, 4 hours.
The mechanics of elastic solids; applications to the strength, resistance, and deformation of materials. Four lectures.
- Ph 524, 525, 526. **Advanced Mathematical Physics.** Three terms, hours to be arranged.
Lectures and assigned readings. The topics treated will be varied from year to year to suit the needs of the students.
- Ph 527, 528. **Hydrodynamics.** Two terms, 4 hours each term.
The mechanics of fluids, with special reference to liquids, but including also some applications to air and other gases. The work of the second term requires a knowledge of spherical and cylindrical harmonics. Four lectures.
- Ph 531, 532, 533. **Advanced Electrical Theory.** Three terms, 3 hours each term.
Special attention to transient phenomena, oscillations and waves, thermionic vacuum tubes, and modern applications. Prerequisites: Ph 334, 335, 336.
- Ph 534, 535, 536. **Advanced Electrical Laboratory.** Three terms, 1 or 2 hours each term.
Laboratory work accompanying Ph 531, 532, 533.
- Ph 551, 552, 553. **Theory of Heat.** Three terms, 3 hours each term.
Thermodynamics and the kinetic theory. Especially for students in physics and physical chemistry and those interested in industrial applications. Three lectures.
- Ph 561, 562. **Spectroscopy.** Two terms, 3 hours each term.
A study of the modern theory of the origin of spectra and its bearing on atomic and molecular structure. First term, line spectra. Second term, band spectra. Prerequisites: Ph 461, 473. Two lectures; 1 three-hour laboratory period.

Ph 571, 572, 573. **Modern Physical Theories.** Three terms, 3 hours each term.

A discussion of such topics as the electromagnetic theory of light, the electron theory, relativity, the quantum theory, and wave mechanics. Three lectures. Prerequisite: Ph 473.

Ph 576. **Quantum Mechanics.** One term, 3 hours.

A study of modern theories based on matrices, tensors, Schroedinger's equation, Heisenberg principle, and Dirac's transformation theory. Three lectures. Prerequisites: Ph 562, 573.

Ph 577. **Ionization of Gases.** One term, 3 hours.

A study of the nature and properties of carriers of electricity in gases; electrons and gaseous ions. Lecture and laboratory.

Ph 578. **X-Rays.** One term, 3 hours.

A study of the basic laws related to X-rays with applications to X-ray spectra. Lectures and laboratory.

Ph 579. **Radioactivity.** One term, 3 hours.

A study of the radioactive disintegration of atoms. Lectures and laboratory.

Ph 591, 592. **Cosmic Physics.** Two terms, 3 hours each term.

A study of the physical characteristics and behavior of the stellar universe with special emphasis upon the problems of the earth and the solar system. Three lectures.

Ph 593. **Geophysics.** One term, 3 hours.

Prerequisites: G 321, Ch 203, and differential equations. Three lectures.

AT EUGENE

LOWER DIVISION COURSES

Ph 101, 102, 103. **Physical Science Survey.** Three terms, 4 hours each term.

Ph 161. **Rudiments of Photography.** One term, 2 hours.

A manipulation course intended for students not having the science prerequisites for Ph 261. One lecture; 2 two-hour laboratory periods.

Ph 201, 202, 203. **General Physics.** Three terms, 4 hours each term.

A general course covering mechanics sound, heat, light, electricity, and an introduction to the modern physics. Prerequisite: Mth 105, 106, or an acceptable equivalent. Three lectures or recitations; 1 three-hour laboratory period.

Ph 211, 212, 213. **Advanced Physics.** Three terms, 3 hours each term.

An extension of Ph 101, 102, 103 or Ph 201, 202, 203, recommended to major students in engineering and physics as a basis for the more advanced courses in the department. Prerequisites: one year of college physics and an elementary knowledge of calculus. Two lectures; 1 three-hour laboratory period.

Ph 246. **Sound.** Second term, 3 hours.

An extended treatment of the phenomena of vibration, for students interested in music. The scientific basis of harmony and music, and the physics of musical instruments.

Ph 291. **Meteorology.** One term, 3 hours.

A treatment of the physical phenomena presented by the earth's atmosphere. Three lectures.

Ph 293. **Descriptive Astronomy.** One term, 3 hours.

A brief elementary course covering the most important points relating to the heavenly bodies. Descriptive rather than mathematical in character. Three recitations or their equivalent in lectures and observational work, depending on weather conditions.

Ph 296. **Practical Astronomy.** One term, 3 hours.

Determination of time, latitude, longitude, and azimuth of astronomical methods. Prerequisites: Ph 293 and trigonometry. One lecture; 2 observation periods.

Zoology

IN the lower division courses the purpose is to furnish the student with effective grounding in the principles of animal biology and in laboratory methods. These courses also form the basis for technical and professional work in applied biology. The upper division courses provide for training in the special fields of the science and an acquaintance with recent developments. Problem courses and seminars introduce the student to research and give opportunity for advanced work in selected subjects.

The lower division courses in Zoology at Eugene are designed to serve the special requirements of various departments such as Psychology and such schools as Physical Education and Medicine.

Students wishing to major in zoology should transfer to the Corvallis campus not later than the beginning of the junior year. This transfer may be effected without loss of credit hours.

DESCRIPTION OF COURSES

AT CORVALLIS

LOWER DIVISION COURSES

Z 101, 102, 103. **Animal Biology.** Three terms, 3 hours each term.

An introductory course dealing with principles of animal biology. Two lectures; 1 three-hour laboratory period. For premedical students, physical education and psychology majors, and others desiring a fundamental course in animal biology.

Z 111, 112, 113. **Sub-assistants' Conference.** Three terms, 1 hour each term.

Students registered for Z 101, 102, 103 who have a high general rating may be appointed to attend a preview and discussion of the laboratory demonstration material.

Z 130. **Principles of Zoology.** Second term, 5 hours.

The distribution, habits, and functions of animals with reference to their economic importance. Three lectures; 2 two-hour laboratory periods.

Z 201, 202, 203. **Biology of the Vertebrates.** Three terms, 4 hours each term.

The elements of comparative anatomy, gross and microscopic, and of vertebrate embryology. Two lectures; 6 hours laboratory.

Z 211, 212. **Elementary Human Physiology.** Second and third terms, 3 hours each term.

For students in Home Economics, Physical Education, pre-nursing, and others desiring a general course in the principles of human physiology. Two lectures; 1 laboratory period.

Z 213. **Field Zoology.** Third term, 4 hours.

The local vertebrates, their taxonomic arrangement, habits, and distribution. Two lectures; 6 hours of laboratory or field work, the latter being largely bird study. Prerequisite: elementary biology.

Z 214. **Genetics.** First term, 3 hours.

A preliminary study of heredity and variation in plants and animals. For students without previous biology training.

Z 215. **Evolution and Eugenics.** Third term, 3 hours.

A study of the various ideas concerning the origin, development, and relation of organisms with emphasis on human welfare. For students without previous biology training.

UPPER DIVISION COURSES

Z 375, 376. **Advanced Histology.** First and second terms, 3 hours each term.

A study of the cellular organization of tissues and organs. Practice in the preparation of histological materials. One lecture; 6 hours laboratory.

Z 377. **Vertebrate Embryology.** Third term, 3 hours.

A study of the morphology and physiology of the early development of mammals. One lecture; 6 hours laboratory. Prerequisite: an elementary course in embryology.

Z 407. **Seminar.** Terms and hours to be arranged.

Z 411, 412, 413. **General Physiology.** Three terms, 3 hours each term.

The principles of physiology and their application to life processes in plants and animals. Prerequisites: general chemistry and general physics. Two lectures; 1 three-hour laboratory period. Professor Moore.

Z 431, 432. **Invertebrate Zoology.** First and second terms, 4 hours each term.

Advanced course in the taxonomy, structure, physiology, ecology and life-histories of the invertebrates. Special attention to animals of economic importance, especially those of parasitic habits. Laboratory material from representatives of the invertebrate fauna of Oregon. Lectures, conferences, field work.

Z 435. **Protozoology.** First term, 4 hours.

A course dealing with the problems of protozoa in their relation to the larger problems of biology. A study of the morphology, physiology and ecology of the free living forms is made as well as reference to the parasitic forms as the causative agents in disease. Two lectures; 6 laboratory hours.

Z 436. **Parasitology.** Second term, 4 hours.

A biological consideration of parasitism with emphasis on animal parasites as causes of disease in man and other animals. Two lectures; 2 laboratory periods.

Z 437. **Cytology.** First term, 4 hours.

A study of the structure and function of the cell with special reference to the behavior and distribution of chromosomes. Lectures, conferences, and laboratory work.

Z 438, 439. **Advanced Genetics.** Second and third terms, 4 hours each term.

Lectures or conferences upon the fundamentals of genetics, together with laboratory practice in statistical analysis and experimental breeding. Professor Huestis.

Z 440, 441, 442. **Problems in Animal Biology.** Three terms, hours to be arranged.

To be undertaken under the direction of the appropriate member of the staff.

GRADUATE COURSES

Z 501. **Research and Investigation.** Terms and hours to be arranged.

May be undertaken by those properly prepared in the first year of graduate study; must be started in the second year of graduate work. Departmental staff.

Z 503. **Thesis.** Terms and hours to be arranged.

Department staff.

- Z 505. **Readings and Conference.** Terms and hours to be arranged.
Department staff.
- Z 507. **Seminar.** Terms and hours to be arranged.
For members of the staff and graduate students of the department of Zoology. Reports on research projects and reviews of contemporary literature.
- Z 511, 512, 513. **Experimental Zoology.** Three terms, 4 hours each term.
Experimental embryology. Physiology of the central nervous system. Given alternate years.
- Z 514, 515, 516. **Advanced Physiology.** Three terms, 4 hours each term.
Physical chemistry of cell and tissue. Advanced Physiology of circulation, respiration, muscles and nervous system. Given alternate years.
- Z 517, 518, 519. **Growth.** Three terms, 2 hours each term.
- Z 520, 521, 522. **Protozoology.** Three terms, 2 hours each term.
- Z 523, 524, 525. **Genetics.** Three terms, 2 hours each term.
- Z 526, 527, 528. **Cytology.** Three terms, 2 hours each term.

AT EUGENE

LOWER DIVISION COURSES

- Z 101, 102, 103. **Animal Biology.** Three terms, 3 hours each term.
An introductory course dealing with principles of animal biology. Two lectures; 1 three-hour laboratory period. For premedical students, physical education and psychology majors, and others desiring a fundamental course in animal biology.
- Z 104, 105, 106. **Animal Biology.** Three terms, 3 hours each term.
Same as above except a one-hour demonstration and quiz will be substituted for the three-hour laboratory period. A general elective.
- Z 111, 112, 113. **Sub-assistants' Conference.** Three terms, 1 hour each term.
Students registered for Z 101, 102, 103 who have a high general rating may be appointed to attend a preview and discussion of the laboratory demonstration material. Freshman elective.
- Z 201, 202, 203. **Biology of the Vertebrates.** Three terms, 4 hours each term.
The elements of comparative anatomy, gross and microscopic and of vertebrate embryology. Two lectures; 6 hours laboratory.
- Z 211, 212. **Elementary Human Physiology.** First and second terms, 3 hours each term.
For students in Physical Education and prenursing. A study of the principles of human physiology. Two lectures; 1 laboratory period. Prerequisites: general chemistry and animal biology.

Z 213. Field Zoology. Third term, 4 hours.

The local vertebrates, their taxonomic arrangement, habits and distribution. Two lectures; 6 hours of laboratory or field work, the latter being largely bird study. Prerequisite: elementary biology.

Z 217, 218. Growth in Infancy. First and second terms, 2 hours each term.

Problems of growth, development, and physiology with especial reference to the first two years of life.

Z 240, 241, 242. Genetics, Evolution, and Eugenics. Three terms, 2 hours each term.

A preliminary study of heredity and variation in plants and animals; the biological facts that bear upon theories of plant and animal development; application of our knowledge of hereditary differences among human beings to questions of individual behavior and social policy. For students without previous biology training.

UPPER DIVISION SERVICE COURSES

Z 411, 412, 413. Physiology. Three terms, 4 hours each term.

The principles of physiology and their application to life processes in plants and animals. For majors in psychology and electives in other departments.

Z 431, 432. Invertebrate Zoology. First and second terms, 4 hours each term.

Advanced course in the taxonomy, structure, physiology, ecology and life-histories of the invertebrates. Special attention to animals of economic importance, especially those of parasitic habits. Laboratory material from representatives of the invertebrate fauna of Oregon. Lectures, conferences, field work. Offered 1932-33 only.

Z 440, 441, 442. Problems in Animal Biology. Three terms, hours to be arranged.

To be undertaken under the direction of the appropriate member of the staff. Offered 1932-33 only.

College of Social Science

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

*ARNOLD BENNETT HALL, J.D., LL.D., President of the University.

JAMES HENRY GILBERT, Ph.D., Dean and Director of Social Science.

EARL MANLEY PALLETT, Ph.D., Executive Secretary and Registrar of the University.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

ERWIN BERTRAN LEMON, B.S., Registrar of the State College.

ELIZABETH B WALLMANN, Secretary to the Dean.

Economics

EUGENE

JAMES HENRY GILBERT, Ph.D., Professor of Economics; Head of Department.

DONALD MILTON ERB, Ph.D., Professor of Economics.

VICTOR PIERPONT MORRIS, Ph.D., Professor of Economics.

LOUIS AUBREY WOOD, Ph.D., Associate Professor of Economics.

CALVIN CRUMBAKER, Ph.D., Associate Professor of Economics.

CORVALLIS

MILTON NELS NELSON, Ph.D., Professor of Economics; Head of Department of Agricultural Economics.

WILLIAM HENRY DREESEN, Ph.D., Professor of Agricultural Economics.

ROBERT HORNIMAN DANN, M.A., Assistant Professor of Economics.

DELBERT RANSOM FRENCH, Ph.D., Assistant Professor of Economics.

Geography

EUGENE

WARREN DUPRE SMITH, Ph.D., Professor of Geography; Head of Department.

History

EUGENE

ROBERT CARLTON CLARK, Ph.D., Professor of History; Head of Department.

HENRY DAVIDSON SHELDON, Ph.D., Research Professor of History.

ANDREW FISH, Ph.D., Associate Professor of History.

JOHN TILSON GANOE, Ph.D., Associate Professor of History.

HAROLD JOYCE NOBLE, Ph.D., Assitant Professor of History.

*On leave of absence.

CORVALLIS

JOHN B. HOKNER, Litt.D., L.H.D., Emeritus Professor of History; Director of Oregon Historical Research.

EARNEST VANCOURT VAUGHN, Ph.D., Associate Professor of History.

JOSEPH WALDO ELLISON, Ph.D., Assistant Professor of History.

Philosophy

EUGENE

GEORGE REBEC, Ph.D., Professor of Philosophy; Head of Department.

HARVEY GATES TOWNSEND, Ph.D., Professor of Philosophy.

Political Science

EUGENE

JAMES DUFF BARNETT, Ph.D., Professor of Political Science; Head of Department.

WALDO SCHUMACHER, Ph.D., Professor of Political Science.

CORVALLIS

ULYSSES GRANT DUBACH, Ph.D., Professor of Political Science.

FRANK ABBOTT MAGRUDER, Ph.D., Professor of Political Science.

Psychology

EUGENE

EDMUND SMITH CONKLIN, Ph.D., Professor of Psychology; Head of Department.

HOWARD RICE TAYLOR, Ph.D., Professor of Psychology.

HAROLD RANDOLPH CROSLAND, Ph.D., Associate Professor of Psychology.

ROBERT HOLMES SEASHORE, Ph.D., Associate Professor of Psychology.

CORVALLIS

JESSE FRANKLIN BRUMBAUGH, A.M., Professor of Psychology.

OTHNIEL ROBERT CHAMBERS, Ph.D., Professor of Vocational Psychology.

Sociology

EUGENE

PHILIP ARCHIBALD PARSONS, LL.D., Ph.D., Professor of Sociology; Head of Department.

LUTHER SHEELEIGH CRESSMAN, Ph.D., Professor of Sociology.

JOHN HENRY MUELLER, Ph.D., Associate Professor of Sociology.

SAMUEL HAIG JAMESON, Ph.D., Associate Professor of Sociology.

MARY HESTER ANNIN, M.A., Assistant Professor of Sociology.

CORVALLIS

ELON HOWARD MOORE, Ph.D., Professor of Sociology.

ROBERT HORNIMAN DANN, M.A., Assistant Professor of Sociology.

CREATED by action of the State Board of Higher Education in March, 1932, the College of Social Science includes the work in social sciences on both the Eugene and the Corvallis campuses. The major work and graduate courses are confined to the Eugene campus. The lower division work at Corvallis, however, constitutes a full equivalent of the first two years at Eugene, and students finding it more convenient to spend the freshman and sophomore years at Corvallis may transfer for major work in social science without loss of credit and with fundamental requirements for upper division work fully met.

Major Work at Eugene. The College of Social Science includes on the Eugene campus the major work in economics, geography, history, philosophy, political science, psychology, and sociology. The work on the Corvallis campus includes lower division and service courses in economics, history, political science, psychology, and sociology. The aim at both places is to make the work as broad and liberalizing as possible, to lay a solid foundation for the study of business in its social relations, and to train for responsibilities of citizenship and public service.

Courses in history are intended to give the student a knowledge of human progress and culture as a changing concept and enable him to evaluate the present in the light of the accumulated and recorded experience of the past. The curriculum of the Economics department is extensively used in the training for law, journalism, and business. This subject has been aptly called the "social science of business." It stresses the relation between the vast organized system of business and the welfare of mankind. The College of Social Science recognizes in full its obligation for the training for intelligent citizenship and for leadership in public affairs. A civilization increasingly more complex creates a demand for leadership that is sincere, far seeing, and well informed.

In addition to opportunities for teaching social science subjects in secondary schools and colleges, graduates from this division may enter a variety of occupations in government service, foreign service, places on commissions and regulatory bodies. Banks and commercial organizations, realizing the extent to which business success depends on a wide and thorough knowledge of economics, politics, and sociology, are engaging trained investigators as business advisers. Business surveys as bases for programs of industrial development are sponsored by chambers of commerce, state, national, and local; and in making these investigations, trained experts in the field of social science are extensively employed.

The Department of Economics, in cooperation with the Department of Political Science and the School of Business Administration, offers a combination of courses intended to fit graduates for various fields of public service. Training in governments—national, state, and local—economics, law and constitutional law, psychology, accounting, auditing, transportation, public utilities and the work of railway public utility, tax commissions, and labor commissions, equips students for easy entrance into governmental positions and insures rapid promotion for those who show aptitude for their work. Public commissions of various kinds, charged with the responsibility for dealing with big business, are constantly seeking the services of graduates thoroughly versed in the economic, financial, and legal aspects of business in relation to public welfare. Such positions,

while paying acceptable salaries, also afford opportunities for continued investigation of vital economic and business problems and often pave the way for positions of influence and leadership in public affairs.

Lower Division Work at Both Eugene and Corvallis. The lower division work in social science is organized along similar lines at Corvallis and Eugene and is regarded as a part of a unified program of social science instruction. The aim in each case is to offer year-courses suitable to the needs of freshman and sophomore students who are seeking lower division preparation for the study of law, journalism, business, and similar professions, or preparing for major or specialized study at Eugene in the field of social science, including the major departments of Economics, Geography, History, Philosophy, Political Science, Psychology, and Sociology.

The lower division program on both campuses, besides laying a broad foundation for specialization, intends to serve the needs of students majoring in other fields through courses unusually broad and fundamental and calculated to have the maximum amount of informational and cultural value. This service feature is emphasized at both places while not neglecting at either the foundation work for those intending to specialize in social science work in its theoretical or practical aspects.

The freshman work on both campuses consists of a broad general course which is intended to stress the relation between the several fields of social science study, to familiarize the student with principles and methods that are common to all related departments. In the initial survey particular attention is given to the psychological approach and the attitude of the popular mind toward economic and social problems. During the sophomore year the student should elect one of the options from a number of courses open to him. The aim of these courses is to lay the foundation for specialization in a particular department. The choice of the sophomore course should be determined by the prospective major which the student will elect on entering the upper division period. For those majoring in other fields these broad general courses will supply the largest possible treatment of the subject for a student whose work in the field of social science must be limited. Besides these freshman and sophomore courses, fulfilling group requirements and providing for prerequisites for a major in a social science department at a later point in the student's course, the curriculum of the Lower Division contains a limited number of electives intended to meet prescriptions in major lines other than social science, and to supplement the student's program of standard freshman and sophomore subjects.

Admission. Admission to the College of Social Science is on the basis of the junior certificate. Students planning to major in Social Science take the first two years of their college work in the Lower Division, designating social science as their "group" of principal interest. As part of the first two years' work in the Lower Division the student takes a freshman and a sophomore year-sequence in this principal-interest group.

Requirements for Graduation. For the Bachelor of Arts or Bachelor of Science degree from the College of Social Science the student must complete a total of 186 term hours of work, including the freshman and sophomore work in the Lower Division and the junior and senior work in the

College of Social Science. The specific requirements for these degrees are given on pages 29-30. For the requirements for the M.A., M.S., and Ph.D. degrees, see Graduate Study.

Economics

ON the Eugene campus is centered the major work in economics, including upper division and graduate courses. Lower division and service courses are offered at both Eugene and Corvallis.

The lower division and service courses in economics are intended to meet the cultural and informational needs of all students interested in economic problems in relation to citizenship, to supply a lower division foundation for law, business, or public service. The courses are also selected with a view to meeting the prescriptions found in technical curricula and needed in connection with various vocational lines. The student will find at Corvallis all courses needed in preparing for major work in the field of economics which is offered on the Eugene campus.

DESCRIPTION OF COURSES

AT EUGENE

LOWER DIVISION COURSES

Ssc 101, 102, 103. Background of Social Science. Three terms, 3 hours each term.

A study is made of the factors and forces which constitute the make-up of society. The validity of the thought process and opinions of the students with respect to social phenomena are challenged. An analysis is made of scientific methods and the possibilities and limitations in the social sciences. An attempt is made to acquaint the student with the findings of psychology in regard to bias and prejudice, egoism of the crowd, habit responses, complexes and factors of wise thinking. A survey is made of controls of society—government, economic factors, family, education, religion and the social institutions generally. By this time things are viewed with a critical eye; they become the objects of inquiry, investigation, and reflection. Insight, rather than mere information, is the aim and object of the course. Professor Sheldon and staff.

Ec 201, 202, 203. The Principles of Economics. Three terms, 3 hours each term.

The principles that underlie production, exchange and distribution. Practical problems like monetary and banking reform, regulation of international trade, the taxation of land values, labor movement, regulation of railways, the control of the trusts, etc., are considered. Prerequisite: sophomore standing. Professors Erb and Morris, Associate Professors Crumbaker and Wood.

UPPER DIVISION COURSES

Ec 324. Trusts and Industrial Combinations. Second term, 4 hours.

The evolution of industrial combinations, the economics of concentration and the evils of combination from the standpoint of investor and the public. The attempts at regulation by state and federal authority and plans for safeguarding the public interest. Prerequisites: Ec 201, 202, 203. Associate Professor Crumbaker.

Ec 340. International Trade. First term, 4 hours.

The theory of international trade; nature and effects of government interference in the form of bounties, subsidies, import and export duties; the commercial policies of the more important nations. Prerequisites: Ec 201, 202, 203. Professor Morris.

Ec 341, 342. International Economic Policies. Second and third terms, 4 hours each term.

Economic problems, originating in or aggravated by the world war, and the remedial policies proposed. The economic clauses of the treaty of Versailles; reparations; inter-allied debts; economic activities of the League of Nations. Prerequisites: Ec 201, 202, 203. Professor Morris.

Ec 361. Conservation of Natural Resources. First term, 3 hours.

An inventory of natural resources in mineral wealth, water, soil, timber, etc.; practices leading to waste and extravagances considered. Public policy which prevents needless waste, promotes restoration and encourages conservation. Prerequisites: Ec 201, 202, 203. Professor Morris.

Ec 405. Labor Problems. First term, 4 hours.

Treats of the condition under which laborers have worked since the advent of the industrial revolution. Topics especially emphasized are: trade union policies; strikes and lockouts; trade agreements; conciliation and arbitration; immigration; unemployment; women and children in industry; prison labor; industrial education, etc. Open to students who have studied the principles of economics or the principles of sociology. Associate Professor Wood.

Ec 406. Organized Labor. Second term, 4 hours.

Study of the history of the labor movement, the aims, methods and policies of trade unions, conservative and radical. Students are required to interpret the philosophy of unionism and evaluate the significance of the labor movement. Prerequisite: Ec 405. Associate Professor Wood.

Ec 407. Labor Legislation. Third term, 4 hours.

A detailed study of some problems facing the employee, employer and public, which call for regulation through public authority. The course considers how far such legislation is consistent with the interests of all classes concerned. Associate Professor Wood.

Ec 413. Money, Banking, and Economic Crises. First term, 5 hours.

The principles of money, the laws controlling its value, methods for measuring price levels and devices for stabilizing the purchasing power. The monetary history of the United States and the present monetary system. Principles underlying sound banking and the use of credit, with the history, causes, and remedies for crises and panics. Prerequisites: Ec 201, 202, 203. Professor Gilbert.

Ec 418, 419. Public Finance. Second and third terms, 4 hours each term.

Aims to ascertain sound principles affecting public expenditure, the raising of revenue, budgetary legislation, financial organization and the use of the public credit. Various forms of taxes and a constructive plan for fiscal reform. Special consideration given to Oregon problems. Prerequisites: Ec 201, 202, 203. Professor Gilbert.

Ec 435. Railway Economics. First term, 4 hours.

The study of transportation by land as a factor in modern economic life, the tendency toward combination and the problems of discriminating rates. Prerequisites: Ec 201, 202, 203. Professor Erb.

Ec 436. Water Transportation. Second term, 4 hours.

Transportation agencies by water in both the domestic and foreign trade. The evolution, services and organization of these carriers and the relationships to the railways. The problems of combination and competition, the history and effect of subsidies and forms of indirect aid by governments. Prerequisites: Ec 201, 202, 203. Professor Erb.

Ec 437. Control of Carriers. Third term, 4 hours.

The characteristics which determine whether a carrier is a common carrier or not. The problems of regulation of rates, combinations and monopolies, relations between rail and water carriers, obtaining and use made of capital, relations of carriers to labor. Special attention to the work of the Interstate Commerce Commission and United States Shipping Board, and other government boards dealing with the problems of regulation. Prerequisites: Ec 201, 202, 203; Ec 435, 436. Professor Erb.

Ec 446, 447. International Trade Policies of the Pacific Area. Second and third terms, 3 hours each term.

The resources, trade, economic policies, and interdependence in the Pacific area, with special emphasis on the Far East. Prerequisites: Ec 201, 202, 203. Professor Morris.

Ec 450. Modern Theories of Social Reform. Third term, 3 hours.

Lectures present various suggested theories involving more or less radical changes in the economic order and these theories are subjected to criticism. Associate Professor Wood.

Ec 452. Economics of Public Utilities. Second term, 4 hours.

An analysis of the economic nature of public utilities followed by a critical study of their history, organization, financial problems and the trend toward large scale enterprise, consolidation, system build-

ing. Attention also given to the creation and development of specialized public relations organization. Prerequisite: Ec 324. Associate Professor Crumbaker.

Ec 453. State Regulation of Public Utilities. Third term, 4 hours.

This course aims to consider railway and state utility commissions with reference to power and achievements. Prerequisite: Ec 435. Associate Professor Crumbaker.

Ec 466. Labor and Remuneration. Second term, 3 hours.

A survey is made of the course of real wages in Europe and America during several centuries. Successive wage theories evolved in the modern period are examined. Present day wage statistics in the United States are analyzed and correlated; systems of wage payment described. The influence of trade unions on wages is considered. Prerequisite: Ec 405. Associate Professor Wood.

Ec 467. Labor and Agrarian Movements. Second term, 3 hours.

Deals in an historical and critical way with various labor and agrarian movements in the United States and Canada. Efforts to secure closer cooperation, economic and political, between organized labor and the farming class are considered and results appraised. Prerequisite: Ec 405. Associate Professor Wood.

Ec 470. History of Economic Thought. First term, 3 hours.

The evolution of man's ideas about economic matters. Prerequisites: Ec 201, 202, 203. Associate Professor Crumbaker.

Ec 471. Modern Economic Thought. Second term, 3 hours.

A critical study of the English classical school and subsequent writers, culminating in recent economic theory. Associate Professor Wood.

Ec 474. Economic History. First term, 4 hours.

A study of the evolution of modern industrial society in the period since the industrial revolution and the emergence of the problems of large-scale enterprise with special reference to the American situation. Prerequisites: Ec 201, 202, 203. Associate Professor Crumbaker.

GRADUATE COURSES

Ec 501. Research in Economics. Terms and hours to be arranged.

Original work for thesis purposes. Professor Gilbert.

Ec 503. Thesis. Nine hours.

Ec 507. Economics Seminar. Terms and hours to be arranged.

AT CORVALLIS

LOWER DIVISION COURSES

SSc 101, 102, 103. Background of Social Science. Three terms, 3 hours each term.

A study is made of the factors and forces which constitute the

make-up of society. The validity of the thought process and opinions of the students with respect to social phenomena is challenged. An analysis is made of scientific methods and the possibilities and limitations in the social sciences. An attempt is made to acquaint the student with the findings of psychology in regard to bias and prejudices, egoism of the crowd, habit responses, complexes and factors of wise thinking. Insight, rather than mere information, is the aim and object of the course. Assistant Professor Dann.

Ec 201, 202, 203. Principles of Economics. Three terms, 3 hours each term.

The principles that underlie production, exchange and distribution. Practical problems like monetary and banking reform, trade regulations, taxation, labor movements, regulation of railways and public utilities are considered. Professors Nelson and Dreesen, Assistant Professor French.

Ec 211. Outlines of Economics. Any term, 4 hours.

A general course covering our industrial and commercial organization, the nature of wealth, its production, consumption, and distribution; law of diminishing returns; division of labor and efficiency in production; exchange and distribution in their relation to the price-making process; factors determining prices, wages, interest, rent, and profits; problems of taxation; public expenditures; protection and free trade; money and banking; labor problems; and transportation. Text-book, lectures and reports on assigned readings. Open to non-Commerce students only. Assistant Professors Dann and French.

UPPER DIVISION SERVICE COURSES

Prescribed in major curricula in degree-granting schools on the Coreallis campus and also available as electives to students majoring in such schools.

Ec 405. Labor Problems. First term, 4 hours.

Treats of the condition under which laborers have worked since the advent of the industrial revolution. Topics especially emphasized are: trade union policies; strikes and lockouts; trade agreements; conciliation and arbitration; immigration; unemployment; women and children in industry; prison labor; industrial education, etc. Open to students who have studied the principles of economics or the principles of sociology.

Ec 413. Money and Banking. First or second term, 4 hours.

(a) Money. The nature and functions of money; the factors affecting price, and their relation to business conditions; brief history of the various forms of money; present problems and conditions. (b) Banking. Functions of banks; history of banking, including our national banking system, with emphasis upon the Federal Reserve Bank Act; comparison of our banking system with those of foreign countries. Assigned readings. Two sections first term; one section second term. Prerequisites: Ec 201, 202, 203, or Ec 211.

Ec 418. Public Finance. First or second term, 4 hours.

Public expenditures, local, state, and national; brief history of reforms calculated to secure efficiency in these expenditures; forms of

taxes, customs, and fees whereby revenues are raised; present systems of land taxation studied in the light of proposed reforms; special attention to war finance; bonds versus taxes in public finance; management of national and local debts. Assigned readings. Four recitations. Professor Dreesen.

Ec 435. **Transportation.** Third term, 4 hours.

A brief historical review of the development of systems of transportation; organization and financing of different systems; effect of competition in the railroad business; freight classification and the making of rates and fares; the necessity of government control and attempts at regulation by State and Federal governments. Prerequisites: Ec 201, 202, 203, or Ec 211.

Ec 436. **Ocean Transportation.** First term, 3 hours.

An advanced course in the study of ocean trade routes, ship canals, ports, and terminals, ocean transportation service and marine insurance.

Geography

ALL the present courses in geography are offered on the Eugene campus only. These comprise lower division, upper division, and graduate courses.

DESCRIPTION OF COURSES

AT EUGENE

LOWER DIVISION COURSES

Geo 205, 206, 207. **Introductory Geography.** Three terms, 3 hours each term.

A general course designed to serve as an introduction to the field of geography, in sequence as follows: Ec 205 Principles of Geography, Ec 206 Economic Geography, Ec 207 Regional Geography. Professor Smith.

Geo 208, 209, 210. **Laboratory Exercises.** Three terms, 1 hour each term.

Laboratory exercises to supplement Geo 205, 206, 207. Professor Smith.

UPPER DIVISION COURSES

Geo 305. **Climatology.** One term, 3 hours.

This course comprises a preview of the elements of meteorology and an intensive study of the climates of the earth, based upon Koppén's Classifications. Professor Smith.

Geo 306. Geomorphology. One term, 3 hours.

A systematic study of land forms in their relation to the cultural landscape. Emphasis will be placed upon the geographic cycle in the study of topographic development. Professor Smith.

Geo 413. Geography of Oregon. Terms and hours to be arranged.

Research in the physical and economic geography of Oregon. Prerequisites: G 201, 202 or Geo 205, 206, 207; Geo 306. Professor Smith.

Geo 426. The Geography of Europe. One term, 3 hours.

Comprises both lectures and laboratory work, following syllabus prepared by the Division of Geology and Geography of the National Research Council. The physiography of Europe, with a survey of the principal natural resources of the continent. Intensive study of the map of Europe. Discussions of some of the general problems. Professor Smith.

Geo 428. The Geography of the Pacific. One term, 3 hours.

An intensive study of the Pacific region, the physical geography and natural resources, with some attention given to the outstanding social, economic and political questions as influenced by the physical background of the more important countries bordering this ocean. Professor Smith.

Geo 429. The Geography of North America. One term, 3 hours.

A course of lectures, laboratory, and discussions of the physiography and resources of the continent and social reactions as influenced by these. The text used will be J. Russell Smith's *North America*, accompanied by laboratory studies of Lobeck's *Physiographic Diagram of the United States*. Professor Smith.

Geo 430. Geography of South America. One term, 3 hours.

A survey of the essential facts in the physical, economic, and human geography of this continent. The course will also consider the outstanding economic, social and political trends in South America, as influenced by the above facts. Prerequisites: Geo 205, 206, 207 or G 201, 202, 203. Professor Smith.

GRADUATE COURSES

Geo 503. Graduate Thesis. Terms and hours to be arranged.

Based upon field work in geography. Special problems to be assigned according to the needs of the student. Professor Smith.

Geo 507. Seminar in Geography. Any term, 1 hour.

History of Geography, etc. Professor Smith.

Geo 513. Geography of Oregon. Terms and hours to be arranged.

See Geo 413. For graduate students. Professor Smith.

History

UPPER division and graduate courses in history are centered on the Eugene campus. Lower division courses are offered at both Corvallis and Eugene.

The lower division work in history is intended to supply the necessary background for intelligent citizenship. The aim of the several courses is to afford an opportunity for a survey of world history and the development of western civilization together with a more detailed study of the English people, the British Empire, and the history of America from the earliest period to the present. Although the courses are arranged to meet the cultural and informational needs of students not majoring in history, the student after two years may transfer to the Eugene campus without loss of credit and continue with upper division and graduate work.

DESCRIPTION OF COURSES AT EUGENE

LOWER DIVISION COURSES

Hst 204, 205, 206. **World History.** Three terms, 4 hours each term.

The great civilization of the world in review. From the stone age to the present. Professor Sheldon.

Hst 207, 208, 209. **English History.** Three terms, 3 hours each term.

A general survey covering political, economic, social, intellectual, and religious development. Associate Professor Fish.

UPPER DIVISION COURSES

Hst 341, 342, 343. **Modern Europe.** Three terms, 4 hours each term.

The history of Europe from the death of Louis XIV to the present. Assistant Professor Noble.

Hst 371, 372, 373. **History of the United States.** Three terms, 3 hours each term.

From the establishment of independence to the present day. Professor Clark.

Hst 391, 392, 393. **History of the Far East.** Three terms, 3 hours each term.

A history of China, Japan, and Korea with emphasis in the early period on cultural development and in the later period upon diplomatic relations with western nations. Assistant Professor Noble.

Hst 404, 405, 406. **Intellectual History.** Three terms, 3 hours each term.

The development of the western European mind; origins of contemporary mental attitudes; history of the freedom of thought. Associate Professor Fish.

Hst 407, 408, 409. **Reading and Conference.** Three terms, 2 to 5 hours each term.

A course of reading mapped out by a member of the staff with personal conferences and a term thesis. Designed especially for honor students. History staff.

Hst 421, 422. **The Middle Ages.** Two terms, 3 hours each term.

A history of Europe from the decline of the Western Roman Empire to the age of Dante. Associate Professor Fish.

Hst 431, 432. **The Age of Monarchy.** Two terms, 3 hours each term.

The Renaissance; the Reformations; the Religious Wars; Louis XIV. Assistant Professor Noble.

Hst 457. **Recent Russia.** Third term, 3 hours.

A study of the tsarist regime in Russia, the work of the reformers, the successive revolutions, and the rise of the present government. Assistant Professor Noble.

Hst 473, 474. **American Foreign Relations.** First and second terms, 3 hours each term.

A history of the relations of the United States with other powers and the development of American foreign policies. Professor Clark.

Hst 475, 476. **History of the West.** Two terms, 3 hours each term.

The history of the American frontier. Professor Clark.

Hst 477, 478, 479. **Oregon History.** Three terms, 2 to 3 hours each term.

This course gives an acquaintance with the methods of historical study and research, and practice in the writing of history. Detailed study, largely from sources, of the building of civilization in the Pacific Northwest. Required course for senior majors, and for graduate students who write a thesis in the field of Oregon history. Professor Clark.

Hst 480. **Colonial America.** Second term, 3 hours.

A study of the establishment of the European colonies in America and their development until 1750. Associate Professor Ganoc.

Hst 481. **South America.** Third term, 3 hours.

The story of the conquest and organization of Spain's American empire, and of the wars of independence, followed by a study of the political and social life of the four or five most important republics. Associate Professor Ganoc.

Hst 482. **Mexico and the Carribean.** First term, 3 hours.

Associate Professor Ganoc.

GRADUATE COURSES

Hst 501. **History Research.** Any term, 2 to 3 hours.

The working out of a research problem assigned and supervised by the instructor in whose field the problem is found. History staff.

Hst 503. **History Thesis.** Six to 9 hours.
History staff.

Ed 551, 552. **Problems in History of 19th Century Education and Civilization.** First and second terms, 2 hours each term.
Special course for students in history and education. Prepared papers on some material. Professor Sheldon.

Hst 565. **Nineteenth Century England.** Third term, 3 hours.
An intensive study by the seminar method of the social, economic, and intellectual aspects. Associate Professor Fish.

Hst 570. **Problems in United States Economic History.** First term, 3 hours.
The history of the policies of the federal government relating to public land conservation and reclamation, road building and railroads, etc. Associate Professor Ganoe.

Hst 575. **Problems in United States Foreign Relations.** Third term, 3 hours.
Professor Clark.

AT CORVALLIS

LOWER DIVISION COURSES

SSc 101, 102, 103. **Background of Social Science.** Three terms, 3 hours each term.

A study is made of the factors and forces which constitute the make-up of society. The validity of the thought process and opinions of the students with respect to social phenomena are challenged. An analysis is made of scientific methods and the possibilities and limitations in the social sciences. An attempt is made to acquaint the student with the findings of psychology in regard to bias and prejudice, egoism of the crowd, habit responses, complexes and factors of wise thinking. Insight, rather than mere information, is the aim and object of the course. Assistant Professor Dann.

Hst 201, 202, 203. **History of Western Civilization.** Three terms, 3 hours each term.

A survey of the origins and development of western civilization from early times to the present. Particular attention will be given to social, economic and political factors and the relation of the past to contemporary civilization. Associate Professor Vaughn, Assistant Professor Ellison.

Hst 207, 208. **England and the British Empire.** First and second terms, 3 hours each term.

The course deals with the constitutional and political history of England and with the expansion and present position of the British Empire. The course when followed by course Hst 209 satisfies group requirements in Social Science and is accepted as the equivalent of the second sophomore option given on the Eugene campus (English History, Hst 207, 208, 209). Associate Professor Vaughn.

Hst 209. **World War and Reconstruction.** Third term, 3 hours.

The war and the problems of reconstruction in the light of their historical antecedents and causes studied with reference to evaluation of current events and sources. With Hst 207, 208 serves as sophomore option and meets Social Science group requirement.

Hst 224, 225, 226. **History of America.** Three terms, 3 hours each term.

A course dealing with the rise and development of the United States from the early period of North American colonization to contemporary times. Special emphasis on economic, social, and cultural life and political and constitutional changes. Assistant Professor Ellison.

Philosophy

THE lower division courses are service courses for students who anticipate more advanced study of philosophy as well as for those who desire a brief introductory study only.

The upper division courses are intended to assist the student in a more systematic study of the subject. For this reason they should be chosen with an eye to natural sequence. A survey course should precede the more specialized ones.

A major in philosophy should include certain philosophical classics whether or not specific courses involve them. Thus a major student in philosophy will be expected to have studied during his course the chief works of at least a majority of the following authors: Plato, Aristotle, Augustine, Thomas Aquinas, Bacon, Descartes, Leibnitz, Spinoza, Hobbes, Locke, Berkeley, Hume, Kant, Fichte, Hegel, Schopenhauer, Mill, Bradley, James, Royce.

DESCRIPTION OF COURSES

AT EUGENE

LOWER DIVISION COURSES

Phl 112, 113, 114. **Introduction to Reflective Thinking.** Three terms, 3 hours each term.

A course intended to develop in the student the habit of reflective thinking by self-examination and through the interpretation of fact, conduct, and experience. The student is asked to apply the processes of critical thinking to his habitual judgments and valuations of life, the world, himself and human society. Professor Rebec.

Phl 201, 202, 203. **Introduction to Philosophy.** Three terms, 3 hours each term.

A study of the forms and methods of knowledge; the function and limits of knowledge. A critical examination of some common beliefs about matters of fact and conduct. No prerequisites. Exclusively for sophomores. Professor Townsend.

UPPER DIVISION COURSES

Phil 301, 302, 303. **Contemporary Philosophical Problems.** Three terms, 3 hours each term.

A study of some common phases of philosophical theory, particularly philosophical method and its bearing on science and art in our time. No prerequisites but not open to lower division students. Professor Townsend.

Phil 311, 312, 313. **Logic.** Three terms, 3 or 4 hours each term.

A study of the forms and methods of knowledge, the general nature of scientific method and the function and limits of human understanding. The organization of knowledge for effective presentation, the problem of inference, and the nature of evidence. Open to sophomores. No prerequisites. Professor Townsend.

Phil 321, 322, 323. **Ethics and Religion.** Three terms, 3 hours each term.

An inquiry into the nature of value and value systems. The ethical nature of man as revealed in an analysis of his desires and the forms of civilization. The individual in society, his rights, duties, satisfactions, and destiny. Man's hopes of immortality and his relation to God. For upper division students only. Professor Townsend.

Phil 341, 342, 343. **History of Philosophy.** Three terms, 3 or 4 hours each term.

A survey of European thought from its Greek beginnings down to the present. A strictly upper division course. Professor Rebec.

Phil 351, 352, 353. **Philosophical Ideas in the United States.** Three terms, 3 or 4 hours each term.

A survey of philosophical history in America from colonial times to the present. Puritanism, transcendentalism, idealism, pragmatism, and realism will be considered. For students who have had previous study of philosophy or who are advanced majors in American history or literature. Given alternate years. Not given 1932-33. Professor Townsend.

Phil 441, 442, 443. **Philosophy of History.** Three terms, 3 or 4 hours each term.

The conflict of ideas in history. A critical attempt to envisage history as an evolution of such conflict. The study will converge upon an attempt to seize and interpret the essential movement of contemporary civilization. For advanced students after consultation with the instructor. Professor Rebec.

Phil 451, 452, 453. **Undergraduate Seminar.** Three terms, 1 to 5 hours each term.

To meet the needs of students, individually or in small groups, for work of a more advanced and intensive sort. Tutorial or consultational method used. Professors Rebec and Townsend.

GRADUATE COURSES

Phl 503. **Graduate Thesis.** Nine hours.

Professors Rebec and Townsend.

Phl 507. **Graduate Seminar.** Any term, 2 to 3 hours.

A selection from the problems and literature of philosophy based on the interests of the group of students and faculty in attendance.

Political Science

CCOURSES in political science are offered at both Eugene and Corvallis, the major work, including upper division and graduate courses, being centered at Eugene with lower division and service courses on both campuses.

The courses in political science are designed primarily for training in intelligent citizenship and effective participation in public affairs. They aim to give the student an active interest in the structure of political life, the operation of governments, state and local, and an understanding of current political questions. Graduates of technical and professional schools on the Corvallis campus are expected to take an active part in the affairs of government and through courses in political science are trained for the responsibilities of public life. The lower division work also lays the foundation for specialization in the field of political science in the major department at Eugene, to which transfer may be made at the end of the lower division period without loss of credit.

DESCRIPTION OF COURSES

AT EUGENE

LOWER DIVISION COURSES

SSc 101, 102, 103. **Background of Social Science.** Three terms, 3 hours each term.

A study is made of the factors and forces which constitute the make-up of society. The validity of the thought process and opinions of the student with respect to social phenomena are challenged. An analysis is made of scientific methods and the possibilities and limitations in the social sciences. An attempt is made to acquaint the student with the findings of psychology in regard to bias and prejudice, egoism of the crowd, habit responses, complexes and factors of wise thinking. A survey is made of the controls of society—government, economic factors, family, education, religion, and the social institutions generally. By this time things are viewed with a critical eye; they become the objects of inquiry, investigation, and reflection. Insight, rather than mere information, is the aim and object of the course. Professor Sheldon and staff.

PS 201, 202, 203. **Modern Governments.** Three terms, 4 hours each term.

(1) American National government. The national government, with special attention to practical operation and contemporary reforms. (2) State and local governments. The state and local governments, with special attention to practical operation and contemporary reforms in Oregon. (3) European governments. The organization and operation of the governments of England, France, Germany, Italy, Russia, and Switzerland, with special attention to the government of England. Professors Barnett and Schumacher.

UPPER DIVISION COURSES

PS 301. **Elementary Law.** Third term, 5 hours.

A very general introduction to the law. For non-professional students. Professor Barnett.

PS 402. **Law of Municipal Corporation.** First term, 4 hours.

The principles of the law of municipal corporations. Chiefly a discussion of leading cases. Open to students credited with at least one course in law. Professor Barnett.

PS 403. **International Law.** Second term, 4 hours.

The principles of international law. Professor Barnett.

PS 404. **Political Parties and Election Problems.** First term, 4 hours.

The nature, organization, and operation of political parties, with special attention to conditions in the United States; election and recall of officers; proportional representation; representation of vocational interests; initiative and referendum; civil service reform. Professor Barnett.

PS 405. **City Government.** Second term, 4 hours.

The organization and operation of city government in France, Prussia, England, and the United States, with special attention to contemporary reforms in the United States. Professor Barnett.

PS 406. **Political Theory.** Third term, 4 hours.

A study of the main concepts of political theory, mostly from the works of modern writers. Professor Barnett.

PS 407, 408, 409. **International Organization and World Politics.** Three terms, 4 hours each term.

Nature and history of international relations, the League of Nations and World Court, together with a study of political and economic realities affecting international interdependence. Professor Schumacher.

PS 410. **Democracy.** First term, 4 hours.

A study of the problems inherent in popular government with special reference to the democratic institutions in operation in the United States. Professor Schumacher.

PS 411. **Public Opinion.** Second term, 4 hours.

A study of the methods of formation and control of public opinion.
Professor Schumacher.

PS 412. **Political Problems.** Third term, 4 hours.

An investigation of current governmental problems. Professor
Schumacher.

GRADUATE COURSES

PS 501. **Research in Political Science.** Terms and hours to be arranged.

Professor Barnett.

PS 503. **Graduate Thesis.** Terms and hours to be arranged.

Professor Schumacher.

PS 507. **Seminar in Political Science.** Terms and hours to be arranged.

Professor Schumacher.

AT CORVALLIS

LOWER DIVISION COURSES

SSc 101, 102, 103. **Background of Social Science.** Three terms, 3 hours each term.

A study is made of the factors and forces which constitute the make-up of society. The validity of the thought process and opinions of the students with respect to social phenomena are challenged. An analysis is made of scientific methods and the possibilities and limitations in the social sciences. An attempt is made to acquaint the student with the findings of psychology in regard to bias and prejudice, egoism of the crowd, habit responses, complexes and factors of wise thinking. Insight, rather than mere information, is the aim and object of the course. Assistant Professor Dann.

PS 201, 202, 203. **Modern Governments.** Three terms, 4 hours each term.

(1) American National Government with special attention on contemporary reforms; (2) State and Local Governments with attention to practical operation and contemporary reforms in Oregon; (3) European Governments, a comparative study of the principal European countries with particular attention to England, France, and Germany. Professors Dubach and Magruder.

UPPER DIVISION SERVICE COURSES

Prescribed in major curricula in degree-granting schools on the Corvallis campus and also available as electives to students majoring in such schools.

PS 405. **Municipal Government.** Third term, 3 hours.

Consideration of the organization, functions, and present-day problems of city and town government. The cities of the Northwest receive special attention. Professor Magruder.

PS 407. International Relations. Any term, 4 hours.

A brief description of the leading governments of the world and a discussion of their interrelations, with emphasis upon their relations with the United States. General principles of international law, the League of Nations, and current political events are considered. Professor Magruder.

Psychology

MAJOR work in psychology, including upper division and graduate courses, is offered on the Eugene campus. Lower division courses are offered at both Corvallis and Eugene.

Lower division courses in psychology are intended to serve a three-fold purpose: (1) to meet the needs of students desiring a foundation in psychology for work in education, either general or vocational; (2) to meet the service needs of various schools and departments that require psychology as a part of their program of training; and (3), in the case of lower division work at Corvallis, since it represents an equivalent of the lower division work at Eugene, to provide all prerequisites for those who transfer to the Eugene campus and seek a degree in the major department of Psychology.

DESCRIPTION OF COURSES AT EUGENE

LOWER DIVISION COURSES

Psy 201, 202, 203. Elementary Psychology. Three terms, 3 hours each term.

An introductory study of the material of general experimental psychology, learning, memory, perception, imagination, sensation, attention, reasoning, instinct, emotion, will, etc. Professors Conklin and Taylor; Associate Professor Crosland.

Psy 204, 205, 206. Elementary Psychology Laboratory. Three terms, 1 hour each term.

An introductory course in laboratory experimental methods. This is operated in coordination with Psy 201, 202, 203, which must be taken at the same time. One laboratory period each week. Associate Professor Seashore.

UPPER DIVISION COURSES

Psy 201, 202, 203, or equivalent, is an indispensable prerequisite for all upper division courses.

Psy 307. Research and Thesis. Terms and hours to be arranged.

Special individual work on some small problem selected for training in methods of research under direction of some member of the staff.

Psy 334, 335. **Social Psychology.** Two terms, 2 hours each term.

Social factors in man's original nature and in development. Critical survey of such explanatory concepts as, instinct, emotion, imitation, suggestion, sympathy, compensation, and rationalization. Analysis of leadership, crowd behavior, public opinion, and propaganda. Professor Taylor.

Psy 336. **Character and Personality.** One term, 2 hours.

The growth of character, the integration of personality, types and classificatory schemes, the use of rating schemes and tests in study of personality. Professor Taylor.

Psy 396, 397, 398. **Honors Reading.** Three terms, 3 to 12 hours each term.

Seminar. A course in extensive and intensive reading for honors candidates, arranged for the individual student. Professors Conklin and Taylor, Associate Professors Crosland and Seashore.

Psy 403, 404, 405. **Systematic Psychology.** Three terms, 2 hours each term.

A comparison of the viewpoints of structural, functional, behavioristic and other systems of psychology as found in the general texts of representative psychologists from the time of Wundt to the present. The development of these systems as related to their authors' training and research activities, their philosophical backgrounds, and the changes brought about by progress in related fields of science. Associate Professor Seashore.

Psy 406. **Adolescence.** Second term, 3 hours.

An intensive study of the available data and interpretations of the adolescent period of development. This course is in large part a continuation of Psy 410, Genetic Psychology, which should be taken as a preparation. Professor Conklin.

Psy 407. **Research and Thesis.** Term and hours to be arranged.

Minor research problems. Professors Conklin and Taylor, Associate Professors Crosland and Seashore.

Psy 410. **Genetic Psychology.** First term, 3 hours.

A study of the changes in the course of individual human development and of the current interpretation therefor. Professor Conklin.

Psy 415, 416, 417. **Advanced Laboratory.** Three terms, 2 hours each term.

A thorough training in laboratory technique as used in the problems of general psychology. Associate Professor Seashore.

Psy 418. **Abnormal Psychology.** Third term, 3 hours.

Traits and theories of hysterical phenomena, insanity and the borderland phenomena. Professor Conklin.

Psy 451, 452, 453. **Advanced Experimental.** Three terms, 3 hours each term.

Designated to give advanced students a thorough knowledge of general psychology as presented in the periodical literature, especially that which has not yet been summarized in textbooks. The point of

view is consistently experimental, and opportunity is offered the student to undertake some project to coordinate with class discussions. Associate Professor Crosland.

Psy 461. Test Methods in Psychology. Third term, 3 hours.

Brief survey of the most important statistical resources for handling psychological problems. Measures of central tendency, variability and relationship as applied in test procedure, and other experimental work. Advice and practice in the analysis of such data as the student is interested in. Professor Taylor.

Psy 462. The Nature of Intelligence. First term, 3 hours.

Survey of the history and theory of intelligence testing. Practice with the more important types of test, and in the interpretation of group tests especially. An effort to decide what such tests measure and to evaluate the concept "intelligence." Professor Taylor.

Psy 463. Employment Psychology. Second term, 3 hours.

Study of the possibilities in the differentiation of special individual potentialities. A survey of various aptitude tests and the principles underlying their construction, interpretation and practical use. Professor Taylor.

GRADUATE COURSES

Psy 503. Research and Thesis. Terms and hours to be arranged.

Original work for thesis purposes under the direction of the instructor in charge. Professors Conklin and Taylor, Associate Professors Crosland and Seashore.

Psy 508. Psychology of Religion. One term, 2 hours.

A seminar course for the review of the literature both of phenomena and interpretation in the field. Professor Conklin.

Psy 510. Psychology of Attention and Perception. First term, 2 hours.

A consideration of the various factors and the various aspects of attention phenomena and the phenomena of perception and apperception. Various points of view, of behaviorist, objectivist, centralist, subjectivist, idealist, realist, nativist, empiricist and gestaltist. Special attention to the modern conception of attention and perception so influential in medicine, psychiatry, ethics and education. Practical experience in research in this field if the student desires it. Associate Professor Crosland.

Psy 511. Psychology of Memory and the Image. Second term, 2 hours.

A treatment of the various phases of mental organization manifested in conscious memory phenomena and in the image of imagination. Eidetic imagery, dissociation, assimilation, organization and generalization of memory contents will be thoroughly studied and illustrated, together with many technical as well as practical applications of the facts here presented. Practice in the methodology of this field if the student desires it. Associate Professor Crosland.

Psy 518. **Association.** Third term, 2 hours.

The doctrines of association, as related to the phenomena of habit formation, memories and imagination, imagery, attention, complexes and diagnosis of mental ailments, the diagnosis of guilty knowledge, assimilation, conception, illusions, and hallucinations. The concepts of the reflex-arc and the irreversibility of nerve-conduction. Practical experience if the student desires it. Associate Professor Crosland.

Psy 522. **Principles of Psychoanalysis.** One term, 2 hours.

A seminar presentation of the essential concepts in this system of psychology. Alternate years. Professor Conklin.

Psy 525, 526, 527. **Seminar in Experimental Psychology.** Three terms, 1 to 3 hours each term.

Discussions and reports of experimental movements in contemporary psychology. Associate Professor Crosland.

Psy 530, 531. **Seminar in Genetic Psychology.** Two terms, 2 hours each term.

Intensive study of selected special topics in the theory, data, and methods of genetic psychology. Emphasis will be placed upon the newer developments, including psychoanalysis and Gestalt. Alternate years. Professor Conklin.

Psy 533, 534, 535. **Seminar in the Interpretation of Psychological Measurements.** Three terms, 2 hours each term.

A consideration of the fundamental assumptions involved in psychological tests with reviews and discussions of recent literature. Professor Taylor.

AT CORVALLIS

LOWER DIVISION COURSES

Ed 101, 102, 103. **Education Orientation.** Three terms, 3 hours each term.

Intended to help the student in making his adjustments to conditions of college life by cultivating proper habits of study and of intellectual activity. Deals with the habits, attitudes, and proper functioning of a normal mind. The last term is designed to serve the need of an introduction for students intending to major in the field of Education. Professor Chambers.

Psy 111. **Mental Hygiene.** Any term, 3 hours.

This course deals with the conditions of healthy mental development and normal reactions to life and the college environment. It inquires into habits, attitudes, and reactions of the normal mind. No credit is given to students who have taken Ed 101. Professor Chambers.

Psy 112, 113, 114. **Introduction to Reflective Thinking.** Three terms, 3 hours each term.

A course intended to develop in the student the habit of reflective thinking by self-examination and through the interpretation of fact,

conduct, and experience. The student is asked to apply the processes of critical thinking to his habitual judgments and valuations of life, the world, himself, and human society. Professor Brumbaugh.

Psy 201, 202, 203. **Elementary Psychology.** Three terms, 3 hours each term.

An introductory study of the material of general experimental psychology, learning, memory, perception, imagination, sensation, attention, reasoning, instinct, emotion, will, etc. Professor Chambers.

Psy 204, 205, 206. **Elementary Psychology Laboratory.** Three terms, 1 hour each term.

An introductory course in laboratory experimental methods. This is operated in coordination with Psy 201, 202, 203, which must be taken at the same time. One laboratory period each week. Professor Chambers.

Psy 211. **Outlines of Psychology.** Any term, 4 hours.

A study of the fundamental facts of human equipment and behavior; instinct, emotion, sensation, feeling, memory, imagination, suggestion, will, reason, and personality. Professor Chambers.

Psy 212, 213, 314. **Logic.** Three terms, 3 hours each term.

A study of the forms and methods of knowledge, the general nature of scientific method and the function and limits of human understanding. The organization of knowledge for effective presentation, the problem of inference and the nature of evidence. Professor Brumbaugh.

Sociology

MAJOR work in sociology, including upper division and graduate courses, is offered on the Eugene campus. Lower division and service courses are offered at both Corvallis and Eugene.

The lower division work in sociology, like that in the related social sciences is intended to contribute to the task of training for good citizenship through a better understanding of the principles that govern human associations and relationships. Particular attention is given to attitudes and habits of mind and characteristic reactions to public events and social institutions. An insight is given into contemporary social problems both urban and rural. Courses are also designed to meet the needs of those who are majoring in home economics and allied fields. The lower division work at Corvallis represents a substantial equivalent of similar work during the first two years on the Eugene campus, where opportunities are afforded for further specialization in sociology and allied social sciences.

DESCRIPTION OF COURSES

AT EUGENE

LOWER DIVISION COURSES

SSc 101, 102, 103. Background of Social Science. Three terms, 3 hours each term.

A study is made of the factors and forces which constitute the make-up of society. The validity of the thought process and opinions of the student with respect to social phenomena are challenged. An analysis is made of scientific methods and the possibilities and limitations in the social sciences. An attempt is made to acquaint the student with the findings of psychology in regard to bias and prejudice, egoism of the crowd, habit responses, complexes, and factors of wise thinking. A survey is made of controls of society—government, economic factors, family, education, religion, and the social institutions generally. By this time things are viewed with a critical eye; they become the objects of inquiry, investigation, and reflection. Insight, rather than mere information, is the aim and object of the course. Professor Sheldon and staff.

Soc 201, 202, 203. Elements of Sociology. Three terms, 3 hours each term.

Analysis of social organization and culture, human nature; social changes and movements as affected by culture, biological and physical environmental factors, and a brief survey of the various social problems as well as methods of investigation. Not open to freshmen. Professor Cressman; Associate Professor Jameson.

Soc 224. Elements of Statistics. Any term, 3 hours.

A course in the fundamentals of statistics covering methods of collection, tabulation and presentation of data, frequency distributions, averages and index numbers, time series analysis, elementary curve fitting; and correlation. Problems chosen largely from the field of business and other social sciences. Not open to freshmen.

UPPER DIVISION COURSES

Soc 301. Social Pathology. First term, 3 hours.

A study of personal disorganization with special emphasis upon the causative social factors and the institutional and legislative policies of correction. The following problems will be considered: poverty, vice, old and defective classes, migratory population. Associate Professor Jameson.

Soc 303. Problems of Child Welfare. Third term, 3 hours.

Concerned with the changing social and legal status of the child; an analysis of the child welfare movement in the United States and Europe; a discussion of juvenile delinquency, child labor and other problems with the current and proposed policies. Professor Cressman.

Soc 311. Criminology. First term, 3 hours.

The nature and causes of crime, history of its treatment and a criticism of present methods of repression. Professor Parsons; Associate Professor Mueller.

Soc 312. Matrimonial Institutions. Second term, 3 hours.

The development and social utility of the family and an analysis of its breakdown in divorce, desertion, and celibacy. A critical study of the current theories of family reorganization. Professor Parsons; Associate Professor Mueller.

Soc 322. Urban Problems. Second term, 3 hours.

An analysis of the problems arising from the concentration of population under the complex and artificial conditions of modern urban and industrial life. The course will include the study of the following subjects: origin and development of cities, social and political definitions of the city; principles of city growth, natural population areas, problems of social control and current social policies. Associate Professor Jameson.

Soc 323. Principles of Social Legislation. Third term, 2 hours.

Historical attempts at the correction of social problems by legislative methods in the field of housing and city planning, industrial legislation and social insurance, and the miscellaneous legislation designed to protect public health and control immoral practices. Professor Cressman.

Soc 331. Principles of Publicity. Third term, 2 hours.

A practical course for social workers, teachers, ministers, and others who handle their own publicity in a non-professional way. Training will not only include the methods for securing adequate and effective newspaper cooperation but will cover the various other media that may be used to reach the public. Not offered 1932-33.

Soc 340. Prehistoric Man and Culture. First term, 3 hours.

A study of the physical and cultural development of prehistoric man, as shown by their fossil remains, their implements and art. Professor Cressman.

Soc 341. Anthropology. Second term, 3 hours.

A study of the physical traits of the prehistoric and historic races, the theories of evolutionary trends, and race distribution and habitats; the problems of classification. Professor Cressman.

Soc 342. Cultural Anthropology and Ethnology. Third term, 3 hours.

The study of primitive cultures; theories of culture growth and its determining factors as diffusion, psychological and geographical determinism, and the historical school; phases of primitive culture such as religion, economic and political organization, social and family organization and art. Professor Cressman.

Soc 343. Immigration and Assimilation. Third term, 3 hours.

A study of the westward movement of population of modern times with the accompanying problems as they arise out of the diverse racial and culture contacts; with special application to the United States and some comparison with analogous problems in other countries. Professor Cressman.

Soc 351. Social Interactions. First term, 3 hours.

Treats the nature of contacts and reciprocal give-and-take processes among the various groups and types of human beings; the analysis of the development of social personality. Special attention is given to the problems of antagonistic and friendly interactions of the racial, national, occupational, administrative, age, sex, religious, and educational groupings; the nature of oriental and occidental interactions with reference to social factors contributing to conflicts or cooperations and the consequent results upon the interacting persons and group. Associate Professor Jameson.

Soc 371, 372. Field Work I and II. First and second terms, 5 hours each term. (Repeated third term and summer.)

The first two quarters of field work will usually be spent in the Public Welfare Bureau in family case work, since experience in the solution of family problems is basic to other fields of social service.

Soc 401. Population and Population Theory. First term, 2 hours.

Theories of population from Biblical times through the Middle Ages and the commercial and industrial era as they pertain to birth and death rates, increase and decrease of population, and the problems of quality; current programs of reform such as Neo-Malthusianism, Eugenics, and immigration policies as they affect population. Not offered 1931-32. Associate Professor Mueller.

Soc 402. Contemporary Social Movements. Second term, 2 hours.

The analysis of movements on the part of classes and groups who challenge the existing order; the programs advanced. Such movements as the proletarian, youth, feminist and the various race movements and others will be considered in the light of nineteenth century backgrounds and the social factors and forces determining them. They will also be studied as they are reflected in law, social philosophy, literature, the drama, etc. Not offered 1931-32. Associate Professor Mueller.

Soc 403. Theories of Social Progress. Third term, 2 hours.

The analysis of the criteria of progress; theories on the factors and determinants of progress as advanced from the earliest times to the present day; and a consideration of the more prominent schools of thought, such as: geographic determinism, economic determinism, the aesthetic school, racialists, etc., in the light of modern sociological theory. The course will include the history of the idea of progress. Not offered 1931-32. Associate Professor Mueller.

Soc 408. Advanced Social Statistics. Third term, 3 hours.

This course will consider the technique of computation and analysis of social statistics and the methods of graphic presentation. Demographic and vital statistics and indices of the different forms of dependency will be analyzed. Recitation and laboratory. Prerequisite: Soc 224. Professor Cressman.

Soc 410. Race Relations on the Pacific Slope. Third term, 2 hours.

A study of the amalgamation of the biological stock and the culture contacts of oriental and occidental races west of the Rocky Mountains; with some consideration given to the study of surviving primitive peoples. Class discussion and research. Professor Cressman.

Soc 411, 412, 413. Methods and Practice in Personnel and Guidance Problems. Three terms, 2 hours each term.

A course in the methods and practice in personnel problems. The class is limited and applicants must have preparation in psychology and sociology. Dean Onthank.

Soc 414, 415, 416, 417. Methods in Social Case Work. Three terms and summer, 3 hours each term.

The principles and methods fundamental to family case work will be discussed the first term. In the second term, special processes and skills generic to any kind of case work and employed in interviewing, treatment, case recording and analysis of situations, will be further studied.

Soc 420. Community Problems. First or third term, 2 hours.

A study of rural society and the social problems characteristic of rural communities. Repeated each term. Open to seniors and graduate students only. Section I, first term; section II, third term. Professor Parsons.

Soc 421, 422. Methods in Rural Social Work. Two terms, 2 hours each term.

A study of methods in undifferentiated family case work particularly as it applies to rural social problems. Open to seniors and graduate students only. Prerequisite: two terms of field work or actual social work experience; qualifications of persons offering part or all of advanced standing for this course to be determined by the dean in each case. Section I, first and second terms; Section II, third term and summer. Assistant Professor Annin.

Soc 423. Ethnology of the Northwest Coast. Third term, 2 hours.

An examination of the aboriginal culture of the Pacific Northwest, material culture, social organization, religion, and art will be considered, together with an analysis of the culture contacts of the Northwest. Particular attention will be devoted to the Oregon area. Prerequisite: Soc 342. Professor Cressman.

Soc 424, 425. Field Work in Community Social Work. Two terms, 5 hours each term.

Field work, under the supervision of the instructor of not less than

fifteen hours per week. To be taken in connection with and under the same conditions as Soc 421, 422. Section I, first and second terms; Section II, third term and summer. Assistant Professor Annin.

Soc 431. Community Organization. First or third term, 2 hours.

A study of the problems arising out of the dissolution of natural communities as shown in the fields of education, recreation, religion, and community leadership. Various proposals for meeting such problems through community organization will be analyzed. Section I, first term; Section II, third term. Professor Parsons.

Soc 445. The Social Aspects of Art and Esthetics. First term, 2 hours.

A study of schools of art and the social factors determining standards of beauty; the mental processes underlying its perception; and the social functions of art as conceived by esthetic and social theorists; past and contemporary. Prerequisite: orientation in at least one of the fine arts or literature; senior standing. Associate Professor Mueller.

Soc 446, 447. The History of Social Work. First and second terms, 3 hours each term. (Repeated third term and summer.)

The dominant ideals, methods, and purposes in modern social work will be related to the social philosophies and organizations of an earlier period, in which they have antecedents. The first term will deal particularly with the English Poor Law, the humanitarian and social reform movements of the nineteenth century in England. During the second term the development in America since the nineteenth century of the social case work method, the state care of certain groups and the growth of various types of private agencies, will be traced. Professor Parsons.

Soc 449, 450. Community Analysis and Planning. First and second terms, 3 hours each term. (Repeated third term and summer.)

A study of community life, its government and social problems; actual practice in organizing a community to become aware of its social problems and to undertake the remedying of them. Prerequisite: two terms in theory and practice of case work. Assistant Professor Annin.

Soc 451, 452. History of Social Thought. First and second terms, 3 hours each term.

An account of the conceptions of the nature and the functions of society from the time of the Greeks to the present and the emergence of sociological thought in the nineteenth century, e.g., Plato, Aristotle, The Church Fathers, Reformers, Contract Theorists, Condorcet, Godwin, Comte, and others. Special emphasis is laid upon the relation of social thought to contemporaneous forces, and their survivals in modern society. Honors privileges. Associate Professor Mueller.

Soc 453. Modern Social Thought. Third term, 3 hours.

A critical study of recent and current social thought since Herbert Spencer to the modern day. Honors privileges. Associate Professor Mueller.

Soc 481. **The Methods of Social Research.** First term, 2 hours.

The relative value of the various methods of research, such as statistics, case study, method of analogy as deduced from the analysis of the standard surveys and investigations. The validity, accuracy and characteristics of social science will be considered in comparison with the physical sciences. The study will include the problem of measurement and the technique of investigation such as the interview, maps, and graphic presentation. Prerequisite: Soc 224. Associate Professor Mueller.

Soc 483. **Community Problems.** Third term, 2 hours.

An exposition of the current term "community" with reference to its territorial and non-territorial aspects. Interpretation of the concept in terms of the interaction of dominant social values and attitudes. Analysis of the factors involved in the genesis, functions, and the preservation of the community with specific attention to conditions which create and solve crises; viz., disasters, economic booms, social isolation, industrialization, diffusion of new ideas, local pride, loyalty, desire for status, conflict of agencies, personality clashes, leadership, etc. Associate Professor Jameson.

GRADUATE COURSES

Soc 501. **Social Research.** Term and hours to be arranged.

This course is intended to give the student an opportunity to work out projects in the line of his special interest. Opportunities in the field of child welfare, medical social work, visiting teaching, family welfare, and community organization will be afforded. Professor Parsons and staff.

Soc 503. **Thesis.** Three to 9 hours.

Professor Parsons and staff.

Soc 507. **Seminar in Social Science.** Any or all terms, 3 to 9 hours each term.

A cooperative effort in the investigation of social problems overlapping into the fields of several departments such as Sociology, Political Science, Economics, History, Journalism, and Education. Open to graduate students and also to seniors with honors privileges. Professor Parsons and staff.

Soc 520. **Research in Ethnology.** Any term, 3 hours.

Individual projects in the field of primitive culture. Professor Parsons and staff.

Soc 521. **Research in Anthropology.** Any term, 3 hours.

Individual problems and research in the field of physical anthropology. Professor Cressman.

AT CORVALLIS

LOWER DIVISION COURSES

SSc 101, 102, 103. **Background of Social Science.** Three terms, 3 hours each term.

A study is made of the factors and forces which constitute the make-up of society. The validity of the thought process and opinions of the students with respect to social phenomena are challenged. An analysis is made of scientific methods and the possibilities and limitations in the social sciences. An attempt is made to acquaint the student with the findings of psychology in regard to bias and prejudice, egoism of the crowd, habit responses, complexes and factors of wise thinking. A survey is made of controls of society—government, economic factors, family, education, religion and the social institutions generally. By this time things are viewed with a critical eye; they become the objects of inquiry, investigation, and reflection. Insight, rather than mere information, is the aim and object of the course. Assistant Professor Dann.

Soc 201, 202, 203. **Elements of Sociology.** Three terms, 3 hours each term.

Analysis of social organization and culture, human nature; social changes and movements as affected by culture, biological and physical environmental factors, and a brief survey of the various social problems as well as methods of investigation. Professor Moore.

Soc 211. **General Sociology.** Any term, 4 hours.

Analysis of the phenomena of group life, embracing social origins, a comparative study of group behavior and social institutions. A sociological study of the problems of social control, crime, poverty, family life, racial and economic conflicts, recreation, and character development. Professor Moore.

UPPER DIVISION SERVICE COURSES

Prescribed in major curricula in degree-granting schools on the Corvallis campus and also available as electives to students majoring in such schools.

Soc 312. **The Family.** First or second term, 3 hours.

A survey of the evolution of matrimonial institutions; the modern legal status of marriage; economic and social aspects of the modern family; women in industry and the new woman's movement in relation to the family; a comparative study of the divorce problem. Open only to juniors and seniors. Prerequisites: Soc 201, 202, 203 or equivalent. Assistant Professor Dann.

Soc 314. **Educational Sociology.** Third term, 3 hours.

A study of the field of sociology from the educational point of view; social institutions in their origin and development; social activities in their relation to institutions and the individual; social control or the molding of social institutions and the directing of social activities; different methods of social investigation and their comparative results. Professor Moore.

Soc 364. Rural Sociology. Third term, 3 hours.

Problems of rural life and rural institutions contrasted with the problems of urban living. Attention is given to the community, the family, the school, the church, recreation and welfare activities as they find their expression in the rural setting. Assistant Professor Dann.

Soc 474. Social Psychology. Second term, 3 hours.

Analysis of group attitudes, social values, crowd behavior, fashion, custom, public opinion and forces forming it. Factors in personality, elements and types of racial and group consciousness. Prerequisites: Soc 201-3 or 211; Psy 201-3 or 211. Three recitations. Professor Moore.

School of Agriculture

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

WILLIAM ALFRED SCHOENFELD, M.B.A., Dean and Director of Agriculture.

ARTHUR BURTON CORDBLEY, D.Sc., LL.D., Dean Emeritus of the School of Agriculture.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

ERWIN BERTRAN LEMON, B.S., Registrar of the State College.

RALPH STEPHEN BESSE, M.S., Vice-Director of the Agricultural Experiment Station.

MARIE BERRY LEWIS, Pd.B., Secretary to the Dean.

Agricultural Economics

MILTON NELS NELSON, Ph.D., Professor of Agricultural Economics.

WILLIAM HENRY DREESSEN, Ph.D., Professor of Agricultural Economics.

Agricultural Education

HEBER HOWARD GIBSON, A.M., Professor of Agricultural Education.

OLIVER KENNETH BEALS, B.S., Critic Teacher in Agricultural Education.

Agricultural Engineering

WILLIAM JAMES GILMORE, B.C.E., B.S., Professor of Agricultural Engineering.

CLYDE WALKER, M.S., Associate Professor of Agricultural Engineering.

RALPH NICHOLAS LUNDE, B.S., Instructor in Agricultural Engineering.

Animal Husbandry

ERMINE LAWRENCE POTTER, M.S., Professor of Animal Husbandry.

ORAN MILTON NELSON, M.S., Professor of Animal Husbandry.

BENJAMIN WILLIAM RODENWOLD, M.S., Assistant Professor of Animal Husbandry.

ALFRED WEAVER OLIVER, M.S., Assistant Professor of Animal Husbandry.

GILMER LEE HANKINS, B.S., Teaching Fellow in Animal Husbandry.

Dairy Husbandry

PHILIP MARTIN BRANDT, A.M., Professor of Dairy Husbandry.

GUSTAV HANS WILSTER, Ph.D., Professor of Dairy Manufacturing.

IDWAL RALPH JONES, Ph.D., Associate Professor of Dairy Husbandry.

HOWARD NOTSON COLMAN, A.B., B.S., Assistant Professor of Dairy Husbandry.

Extension Methods

PAUL VESTAL MARIS, B.S., Professor of Extension Methods.

Farm Crops

GEORGE ROBERT HYSLOP, B.S., Professor of Farm Crops.
EARL NORMAN BRESSMAN, Ph.D.; Associate Professor of Farm Crops.
DONALD DAVID HILL, M.S., Associate Professor of Farm Crops.
HENRY HARDY RAMPTON, B.S., Teaching Fellow in Farm Crops.
REX WARREN, B.S., Teaching Fellow in Farm Crops.
HOWARD THEODORE JOHNSTON, B.S., Teaching Fellow in Farm Crops.

Farm Management

HENRY DESBOROUGH SCUDDER, B.S., Professor of Farm Management.
GUSTAV WESLEY KUHLMAN, M.S., Associate Professor of Farm Management.
ARNOLD STEWART BUNNIER, M.S., Associate Professor of Farm Management.

Horticulture

WALTER SHELDON BROWN, D.Sc., Professor of Horticulture.
ARTHUR GEORGE BOUQUET, M.S., Professor of Vegetable Crops.
ERNEST HERMAN WIEGAND, B.S., Professor of Horticultural Products.
WILLIS PIERRE DURUZ, Ph.D., Professor of Pomology.
THOMAS ONSDORFF, B.S., Instructor in Horticultural Products.

Poultry Husbandry

ALFRED GUNN LUNN, B.S., Professor of Poultry Husbandry.
FRANK ELMER FOX, M.S., Associate Professor of Poultry Husbandry.

Soils

WILBUR LOUIS POWERS, Ph.D., Professor of Soils.
CHARLES VLADIS RUZEK, M.S., Professor of Soil Fertility.
ROSCOE ELMO STEPHENSON, Ph.D., Associate Professor of Soils.
EDWARD FRITZHOFF TORGERSON, B.S., Assistant Professor of Soils.

Veterinary Medicine

BENNETT THOMAS SIMMS, D.V.M., Professor of Veterinary Medicine.
WALTER THEODORE JOHNSON, D.V.M., Professor of Veterinary Medicine.
JAMES NIVEN SHAW, D.V.M., Assistant Professor of Veterinary Medicine.
OTTO HERBERY MUTH, D.V.M., Instructor in Veterinary Medicine.

THE School of Agriculture at Corvallis offers curricula leading to the degree of Bachelor of Science in General or Specialized Agriculture, in Agricultural Engineering, in Horticultural Products, in Agricultural Technology, or in Sciences Basic to Agriculture. The completion of 192 term hours (including Military and Physical Education) is required for graduation from any curriculum.

2. ANIMAL SCIENCES

	Term hours		
	1st	2d	3d
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Organic Chemistry (Ch 221).....	5	.....	.....
Elements of Dairying (DH 211).....	3	.....	.....
General Bacteriology (Bac 201).....	.....	3	.....
Principles of Farm Management (FM 211).....	.....	.....	3
Quantitative Analysis (Ch 232).....	.....	5	.....
Practical Poultry Keeping (PH 211).....	3	.....	.....
Anatomy of Domestic Animals (VM 211).....	.....	3	.....
Physiology of Domestic Animals (VM 221).....	.....	.....	3
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
Major options.....	.....	.....	6
	16	16	17
Major options			
Dairy Breed Types (DH 321).....	.....	.....	3
Dairy Products Standards (DH 315).....	.....	.....	1
Livestock Management I (AH 221).....	.....	.....	4
Incubation and Brooding (PH 321).....	.....	.....	4

3. FARM MANAGEMENT AND AGRICULTURAL ECONOMICS

	Term hours		
	1st	2d	3d
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Agricultural Statistics (AEc 221).....	.....	3	.....
Agricultural Economics (AEc 211).....	.....	.....	3
Organic Chemistry (Ch 221).....	5	.....	.....
General Bacteriology (Bac 201).....	.....	3	.....
Farm Management (FM 211).....	.....	.....	3
Elements of Dairying (DH 211).....	.....	3	3
Forage and Root Crop Production (FC 211).....	.....	3	.....
Soils (Sls 211, 212).....	3	3	.....
Soil Drainage and Irrigation (Sls 213).....	.....	.....	3
Farm Accounting (FM 311).....	3	.....	.....
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
	16	17	17

4. PLANT AND SOIL SCIENCES

Principles of Economics (Ec 201, 202, 203).....	3	3	3
Organic Chemistry (Ch 221).....	5	.....	.....
Elements of Dairying (DH 211).....	3	.....	.....
General Bacteriology (Bac 201).....	.....	3	.....
Principles of Farm Management (FM 211).....	.....	.....	3
Principles of Plant Physiology (Bot 331).....	.....	.....	3
Forage and Root Crop Production (FC 211).....	.....	.....	3
Landscape Architecture (LA 279).....	.....	3	.....
Soils (Sls 211, 212).....	3	3	.....
Soil Drainage and Irrigation (Sls 213).....	.....	.....	3
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
Electives.....	1	3	.....
	17	17	17
Horticulture			
Plant Propagation (Hrt 311).....	.....	3	.....
or Elementary Biochemistry (Ch 251).....	.....	5	.....
Farm Implements (AE 231).....	.....	.....	2
Farm Crops			
Potato Growing (FC 311).....	.....	2	.....
or Elementary Biochemistry (Ch 251).....	.....	5	.....
Principles of Economic Entomology (Ent 211).....	3	or 3	or 3
Agricultural Engineering (AE 111).....	3	or 3	or 3
Practical Poultry Keeping (PH 211).....	3	or 3	or 3
Soils			
Quantitative Analysis (Ch 232) or Elementary Biochemistry (Ch 251).....	.....	5	.....
Agricultural Engineering (AE 111).....	3	or 3	or 3
Climatology (Sls 319).....	.....	.....	2

Sophomore Year in Landscape Horticulture

Sophomores planning to major in Landscape Horticulture (see page 242) pursue the following program.

Sophomore Year	Term hours		
	1st	2d	3d
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Landscape Architecture (LA 279).....	5	3	---
Organic Chemistry (Ch 221).....	5	---	---
Principles of Plant Physiology (Bot 331).....	---	---	3
Drawing—Architectural.....	2	2	2
Trigonometry.....	---	---	5
Drawing—Free hand.....	3	3	---
Soils (Sls 211, 212), Soil Drainage and Irrigation (Sls 213).....	3	3	3
Military Science and Tactics.....	1	1	1
General Hygiene and Physical Education (PE 151, 152, 153).....	1	1	1
	18	16	18

UPPER DIVISION CURRICULA

1. AGRICULTURAL EDUCATION

Junior Year

Farm Motors (AE 211) or Automobile Mechanics (AE 313).....	3	---	---
Farm Construction (Farm Shop I) (AE 221).....	4	3	---
Animal Nutrition (AH 411).....	4	---	---
Principles of Plant Pathology (Bot 351).....	4	---	---
Dairy Herd Management (DH 322).....	---	3	---
Secondary Education (Ed 311).....	---	3	---
Principles of Teaching (Ed 313).....	---	---	3
Principles of Economic Entomology (Ent 201).....	---	---	3
Enterprise Costs and Profits (FM 414).....	---	---	3
Elementary Journalism (J 111).....	---	3	---
Fruit Production (Pom 415).....	---	---	4
Educational Psychology (Ed 312).....	3	---	---
Diseases of Poultry (VM 351).....	3	---	3
Genetics (Z 214).....	3	---	---
Electives.....	3	2	1
	17	17	17

Electives

Automobile Mechanics (AE 313).....	---	---	3
Farm Equipment Repair (Farm Shop II) (AE 222).....	---	---	3
Landscape Architecture (LA 279).....	3	---	---
Elementary Journalism (J 112).....	---	---	3
Soil Fertility Lectures (Sls 425).....	---	3	---

Senior Year

Special Methods in Agriculture (AEEd 311).....	5	---	---
Rural Survey Methods (AEd 533).....	---	---	2
Supervised Teaching (Ed 315).....	---	---	3
Special Crop Work (FC 305).....	---	3	---
Enterprise Costs and Profits (FM 415).....	2	---	---
Pruning (Pom 431).....	---	3	---
Modern Governments (PS 201).....	---	---	4
Extempore Speaking (Eng 130).....	---	---	3
Electives.....	9	10	4
	16	16	16

Electives

Seminar in Agricultural Education (AEEd 407).....	2	---	2
Stock Judging II (AH 311).....	---	---	3
Livestock Economics (AH 424).....	---	---	5
House Planning (AA 178).....	---	---	3
Milk Production (DH 422).....	---	---	3
Breeding Dairy Cattle (DH 421).....	---	3	---
Cooperative Marketing Organization (AEC 411).....	---	3	---
Seed Production (FC 414).....	3	---	---
Farm Organization (FM 411).....	---	3	---
Poultry Feeding (PH 411).....	4	---	---
Small Fruits and Grapes (Pom 341).....	---	---	3
Diseases of Livestock (VM 341).....	4	---	---

¹Special section arranged for senior majors in Agricultural Education.

2. ANIMAL SCIENCES

ANIMAL HUSBANDRY

	Term hours		
	1st	2d	3d
Junior Year			
Physiology of Domestic Animals (VM 321).....	3	.....	.....
Animal Nutrition (AH 411).....	4	.....	.....
Genetics (Z 214).....	3	.....	.....
Feeds and Feeding (AH 412).....	2	5	.....
Landscape Architecture (LA 179).....	2	.....	.....
Soils (Sls 211, 212).....	3	3	.....
Principles of Economic Entomology (Ent 201).....	.....	.....	3
Electives	2	9	14
	17	17	17
<i>Electives¹</i>			
Breeds of Livestock, I (AH 315).....	3	.....	.....
Turkey Management (PH 351).....	3	.....	.....
Agricultural Engineering (AE 111).....	3	.....	.....
Breeds of Livestock II (AH 316).....	.....	3	.....
Meats (AH 326).....	.....	3	.....
Farm Organization (FM 411).....	.....	3	.....
Agricultural Statistics (AEc 221).....	.....	3	.....
Dairy Herd Management (DH 322).....	.....	3	.....
Range and Pasture Botany (Bot 341).....	3	.....	.....
Stock Judging II (AH 311).....	.....	.....	3
Wool and Mohair (AH 418).....	.....	.....	3
Pedigree Study (AH 421).....	.....	.....	3
Elementary Psychology (Psy 201).....	.....	.....	3
Business Law (BA 256).....	4	.....	.....
Market Milk (DH 311).....	.....	.....	3
Business English (Eng 217).....	.....	.....	3
Senior Year			
Extempore Speaking (Eng 130).....	3	.....	.....
Modern Governments (PS 201).....	.....	4	.....
Diseases of Livestock (VM 441, 442, 443).....	3	3	3
Livestock Economics (AH 424).....	.....	.....	5
Electives	11	10	9
	17	17	17
<i>Electives¹</i>			
Stock Judging III (AH 312).....	4	.....	.....
Livestock Practice (AH 319).....	1	.....	.....
Seed Production (FC 414).....	3	.....	.....
Money and Banking (Ec 413).....	4	or	4
Markets and Marketing (AEc 341).....	4	or	4
Reproduction Problems (AH 323).....	.....	.....	3
Breeding Dairy Cattle (DH 421).....	.....	.....	3
Agricultural Land Economics (FM 416).....	.....	.....	3
Industrial Journalism (J 212).....	.....	3	.....
Livestock Practice (AH 320).....	.....	.....	2
Weed Eradication (FC 317).....	.....	.....	2
Crop Efficiency (FC 421).....	.....	.....	5
Dairy Products Manufacturing (DH 314).....	.....	.....	4
Milk Production (DH 422).....	.....	.....	3
Extension Methods (EM 411).....	.....	.....	3
Cooperation and Farmers' Movements (AEc 311).....	.....	.....	3
Special Studies (AH 305) (any term, hours to be arranged).....	.....	.....	.....

DAIRY MANUFACTURING

Junior Year

	1st	2d	3d
Constructive Accounting (BA 111, 112, 113).....	3	3	3
Dairy Products Manufacturing (DH 312, 313, 314).....	4	4	4
Market Milk (DH 311).....	.....	.....	3
Dairy Bacteriology (Bac 411, 412).....	3	3	.....
Modern Governments (PS 201).....	4	.....	.....
Agricultural and Biochemical Analysis (Ch 352).....	.....	3	.....
Electives	3	4	7
	17	17	17

¹Electives are not limited to those listed but may be arranged to suit the needs of the individual student.

	Term hours		
	1st	2d	3d
<i>Electives</i>			
Pumps and Water Systems (AE 321).....	3	.....	.....
Principles of Agricultural Marketing (AEc 441).....	4	.....	.....
Agricultural Statistics (AEc 221).....	.....	3	.....
Animal Nutrition (AH 411).....	.....	.....	4
Refrigeration (ME 462).....	.....	.....	3

Senior Year

Dairy Technology (DH 411, 412).....	.....	3	3
Milk Production (DH 422).....	.....	.....	3
Electives	17	14	11
	17	17	17

Electives

Seminar (DH 407).....	1	1	1
Diseases of Livestock (VM 341).....	4	.....	.....
Dairy Breed Types (DH 321).....	.....	.....	3
Elements of Sociology (Soc 201).....	3	.....	.....
Money and Banking (Ec 413).....	4	.....	.....
Sanitary Chemistry (ChE 451).....	3	.....	.....
Extempore Speaking (Eng 130, 131).....	3	3	.....
Industrial Journalism (J 212).....	.....	3	.....
Dairy Herd Management (DH 322).....	.....	3	.....
Investments (BA 463).....	3	.....	.....
Marketing Poultry Products (PII 421).....	.....	4	.....
Steam, Air, and Gas Power (ME 345).....	.....	3	.....
Elementary Physical Chemistry (Ch 340).....	.....	3	.....
Business Law (BA 256, 257).....	4	4	.....
Literature	3	3	3
Cooperation and Farmers' Movements (AEc 311).....	.....	.....	3
Elements of Organization and Production (BA 221).....	.....	.....	3
¹ Special Studies (DH 305, 405).....	.....	.....	.....
Carbonated Beverages and Crushed Fruits (HP 353).....	.....	.....	3

DAIRY PRODUCTION

Junior Year

Physiology of Domestic Animals (VM 321).....	3	.....	.....
Animal Nutrition (AH 411).....	4	.....	.....
Genetics (Z 214).....	3	.....	.....
Soils (Sls 211, 212).....	3	3	.....
Principles of Economic Entomology (Ent 201).....	.....	.....	3
Electives	5	14	14
	18	17	17

Electives

Pumps and Water Systems (AE 321).....	3	.....	.....
Dairy Bacteriology (Bac 411, 412).....	3	3	.....
Dairy Products Manufacturing (DHI 312, 313, 314).....	4	4	4
Industrial Journalism (J 212).....	.....	3	.....
Dairy Herd Management (DH 322).....	.....	3	.....
Feeds and Feeding (AH 412).....	.....	5	.....
Meats (AH 326).....	.....	3	.....
Agricultural Statistics (AEc 221).....	.....	3	.....
Range and Pasture Botany (Bot 341).....	3	.....	.....
Market Milk (DH 311).....	.....	.....	3
Business Law (BA 256).....	4	.....	.....
Stock Judging II (AH 311).....	.....	.....	3

Senior Year

Landscape Architecture (LA 179).....	2	.....	.....
Diseases of Livestock (VM 441, 442, 443).....	3	3	3
Extempore Speaking (Eng 130).....	.....	3	.....
Modern Governments (PS 201).....	.....	.....	3
Electives	12	11	11
	17	17	17

¹Hours to be arranged.

	Term hours		
	1st	2d	3d
<i>Electives</i>			
Seminar (DH 407).....	1	1	1
Seed Production (FC 414).....	3	.....	.....
Money and Banking (Ec 413).....	4	.....	.....
Advanced Poultry Judging (PH 341).....	2	.....	.....
Turkey Management (PH 351).....	3	.....	.....
Principles of Agricultural Marketing (AEc 441).....	4	.....	.....
Breeding Dairy Cattle (DH 421).....	.....	3	.....
Dairy Technology (DH 411).....	.....	3	.....
Investments (BA 463).....	3	.....	.....
Milk Production (DH 422).....	.....	3	3
Reproduction Problems (AH 323).....	.....	3	.....
Livestock Economics (AH 424).....	.....	.....	5
Cooperation and Farmers' Movements (AEc 311).....	.....	.....	3
*Special Studies (DH 405).....	.....	.....	.....

POULTRY HUSBANDRY

Junior Year

Genetics (Z 214).....	3	.....	.....
Soils (Sis 211, 212).....	3	3	.....
Anatomy of the Fowl (VM 311).....	.....	3	.....
Animal Nutrition (AH 411).....	.....	.....	4
Diseases of Poultry (VM 351).....	.....	.....	3
Principles of Economic Entomology (Ent 201).....	.....	.....	3
Electives.....	11	11	7
	17	17	17

Electives

Poultry House Design and Construction (PH 331).....	.....	4	.....
Turkey Management (PH 351).....	3	.....	.....
Industrial Journalism (J 212).....	.....	3	.....
Meats (AH 326).....	.....	3	.....
Agricultural Statistics (AEc 221).....	.....	3	.....
Dairy Herd Management (DH 322).....	.....	3	.....
Business Law (BA 256, 257).....	4	4	.....
Animal Physiological Chemistry (Ch 452).....	.....	.....	5
Incubation and Brooding (PH 321).....	.....	.....	4

Senior Year

Landscape Architecture (LA 179).....	2	.....	.....
Small Fruits and Grapes (Pom 341).....	.....	4	.....
Modern Governments (PS 201).....	.....	.....	4
Electives.....	15	13	13
	17	17	17

Electives

Principles of Agricultural Marketing (AEc 441).....	4	.....	.....
Poultry Feeding (PH 411).....	4	.....	.....
Money and Banking (Ec 413).....	4	.....	.....
Livestock Practice (AH 319, 320).....	1	.....	2
Marketing Poultry Products (PH 421).....	.....	4	.....
Agricultural Land Economics (FM 416).....	.....	3	.....
Poultry Plant Management (PH 431).....	.....	.....	4
Cooperation and Farmers' Movements (AEc 311).....	.....	.....	3
Extension Methods (EM 411).....	.....	.....	3
Business English (Eug 217).....	.....	.....	3

3. FARM MANAGEMENT AND AGRICULTURAL ECONOMICS

AGRICULTURAL ECONOMICS

Junior Year

	Term hours		
	1st	2d	3d
Principles of Agricultural Marketing (AEc 441).....	4	.....	.....
Rural Sociology (Soc 364).....	.....	.....	3
Elements of Organization and Production (BA 221).....	.....	.....	3
Business Law (BA 256).....	4	.....	.....
Money and Banking (Ec 413).....	.....	4	.....
Rural Finance (AEc 431).....	.....	.....	3
Public Finance (Ec 418).....	.....	4	.....
Modern Governments (PS 201).....	4	.....	.....
General Bacteriology (Bac 201).....	.....	3	.....
Municipal Government (PS 405).....	.....	.....	3
Seminar in Agricultural Economics (AEc 307).....	1	1	1
Electives.....	4	5	4
	17	17	17

*Hours to be arranged.

	Senior Year		
	1st	2d	3d
Cooperative Marketing Organization (AEc 411).....	3	3	3
Agricultural Land Economics (FM 416).....	3	3	3
Enterprise Costs and Profits (FM 414).....	3	3	3
Agricultural Prices (AEc 351).....	3	3	3
Seminar in Agricultural Economics (AEc 407).....	1	1	1
Electives	16	10	10
	17	17	17

FARM MANAGEMENT

Junior Year

Operation Efficiency (FM 312).....	3	3	3
Farm Organization (FM 411).....	3	3	3
Enterprise Costs and Profits (FM 414).....	3	3	3
Genetics (Z 214).....	3	3	3
Livestock Management I (AH 221).....	4	4	4
Animal Nutrition (AH 411).....	4	4	4
Electives	11	10	10
	17	17	17

Electives

Principles of Plant Pathology (Bot 351).....	4	4	4
Soil Physics (Sls 322).....	3	3	3
Soil Survey (Sls 327).....	3	3	3
Practical Poultry Keeping (PH 211).....	3	or 3	or 3
Elementary Journalism (J 111).....	3	or 3	or 3
Farm Motors (AE 211).....	3	or 3	or 3
Farm Equipment Repairs (AE 222).....	3	or 3	or 3
Rural Finance (AEc 311).....	3	3	3
Pruning (Pom 431) or Fruit Production (Pom 415).....	3	or 3	or 3
Landscape Architecture (LA 279).....	3	or 3	or 3
Stock Judging II (AH 311).....	3	3	3
Livestock Practice (AH 319, 320).....	1	2	2
Secondary Education (Ed 311).....	3	3	3
Educational Psychology (Ed 312).....	3	3	3
Principles of Teaching (Ed 313).....	3	3	3

Senior Year

Enterprise Costs and Profits (FM 415).....	2	2	2
Applied Farm Management (FM 403).....	3	3	3
Agricultural Land Economics (FM 416).....	3	3	3
Dairy Herd Management (DH 322).....	3	3	3
Extempore Speaking (Eng 130).....	3	3	3
Modern Governments (PS 201).....	3	3	3
Electives	12	11	10
	17	17	17

Electives

Diseases of Livestock (VM 341).....	4	4	4
Soil Fertility Lectures (Sls 425).....	3	3	3
Extension Methods (EM 411).....	3	3	3
Principles of Agricultural Marketing (AEc 441).....	4	4	4
Cooperative Marketing Organization (AEc 411).....	3	3	3
Agricultural Prices (AEc 351).....	3	3	3
Livestock Economics (AH 424).....	3	3	3
Seed Production (FC 414).....	3	3	3
Turkey Management (PH 351).....	3	3	3
Breeding Dairy Cattle (DH 421).....	3	3	3
Milk Production (DH 422).....	3	3	3
Business Law (BA 256).....	4	4	4
House Planning (AA 178).....	3	3	3
Special Methods in Agriculture (AEc 311).....	5	5	5
Supervised Teaching (Ed 315).....	3	3	3
Methods in Teaching Evening and Part-Time Classes in Agriculture (AEc 313).....	2	2	2
Special Methods in Agriculture (AEc 311).....	5	5	5

4. PLANT AND SOIL SCIENCES

FARM CROPS

	Term hours		
	1st	2d	3d
Cereal Production (FC 321).....	5	---	---
Crop Inspection (FC 411).....	---	5	---
Forage and Related Crops (FC 324).....	---	---	3
Principles of Plant Pathology (Bot 351).....	4	---	---
Constructive Accounting (BA 111).....	---	3	---
Animal Nutrition (All 411).....	---	---	4
Electives	8	9	10
	17	17	17

Senior Year

Seed Production (FC 414).....	3	---	---
Applied Plant Genetics (FC 330).....	5	---	---
Extempore Speaking (Eng 130, 131).....	---	3	3
Soil Fertility Lectures (Sls 425).....	---	3	---
Crop Efficiency (FC 421).....	---	---	5
Business Law (BA 256).....	4	---	---
Elementary Journalism (J 111).....	---	3	---
Seminar (FC 407).....	1	1	1
Electives	4	7	8
	17	17	17

HORTICULTURE: LANDSCAPE HORTICULTURE

The object of the curriculum in Landscape Horticulture is to train students for the practical application of landscaping principles to problems in the field, as in management of estates, superintendency of cemeteries and parks, ornamental nursery stock industry, seed and bulb business, teaching the practical phases of ornamental gardening, maintenance of golf courses, contracting and construction on new properties, and in other similar occupations.

Junior Year

	Term hours		
	1st	2d	3d
General Bacteriology (Bac 201).....	3	---	---
Plane Surveying (CE 226, 223).....	3	---	3
Plant Materials (LA 326, 327, 328).....	3	3	3
Principles of Plant Pathology (Bot 351).....	4	---	---
Principles of Economic Entomology (Ent 201).....	---	3	---
Plant Propagation (Hrt 311).....	---	3	---
Landscape Design (LA 317, 318, 319).....	2	2	2
Constructive Accounting (BA 111).....	---	3	---
Modern Governments (PS 201).....	---	---	4
Electives	2	3	5
	17	17	17

Senior Year

Spraying (Pom 419).....	---	---	3
Maintenance and Construction (LA 359, 360, 361).....	3	3	3
Plant Composition (LA 332, 333).....	3	3	---
Pruning (Pom 431).....	---	3	---
History and Literature of Landscape Architecture (LA 356, 357, 358).....	2	2	2
Greenhouse Crops (Hrt 313, 314).....	---	3	3
Electives	9	3	6
	17	17	17

¹Electives leading to production, agricultural teaching, research, extension, or commercial careers are chosen in conference with the head of the department.

HORTICULTURE: POMOLOGY

	Junior Year		
	1st	2d	3d
Principles of Plant Pathology (Bot 351).....	4	.....	.....
Commercial Pomology (Pom 313).....	4	.....	.....
History and Literature of Horticulture (Pom 312).....	3	.....	.....
Principles of Economic Entomology (Ent 201).....	3	.....	.....
Fruit Production (Pom 415).....	.....	.....	4
Farm Accounting (FM 311).....	3	.....	.....
Practical Poultry Keeping (PII 211).....	.....	3	.....
Genetics (Z 214).....	3	.....	.....
Commercial Bee Culture (Ent 231).....	.....	.....	3
Advanced Plant Pathology (Bot 451).....	3	.....	.....
Electives.....	3	5	10
	17	17	17

Electives

Subtropical Pomology (Pom 321).....	3	.....	.....
Small Fruit and Grapes (Pom 341).....	.....	3	.....
Classification of Flowering Plants (Bot 203).....	.....	.....	4
Elements of Dairying (DH 211).....	3	.....	.....
Principles of Vegetable Production (VC 321).....	3	.....	.....
Feeds and Feeding (AH 412).....	.....	5	.....
French or German.....	3-4	3-4	3-4

Senior Year

Dehydration of Fruits and Vegetables (HP 331).....	3	.....	.....
Systematic Pomology (Pom 417).....	4	.....	.....
Pruning (Pom 431).....	.....	3	.....
Economic Entomology (Ent 411).....	3	.....	.....
Extensore Speaking (Eng 130).....	3	.....	.....
Modern Governments (PS 201).....	.....	.....	4
Spraying (Pom 419).....	.....	.....	3
Seminar (Hrt 407).....	1	1	1
Electives.....	3	13	9
	17	17	17

Electives

Methods of Research (Hrt 411).....	.....	3	.....
Small Fruits and Grapes (Pom 341).....	.....	3	.....
Enterprise Costs and Profits (FM 414).....	.....	.....	3
Applied Plant Genetics (FC 330).....	5	.....	.....
Refrigeration (ME 462).....	.....	.....	3

HORTICULTURE: VEGETABLE CROPS

Junior Year

Principles of Plant Pathology (Bot 351).....	4	.....	.....
Farm Accounting (FM 311).....	.....	3	.....
Genetics (Z 214).....	3	.....	.....
Principles of Economic Entomology (Ent 201).....	.....	3	.....
History and Literature of Horticulture (Pom 312).....	.....	3	.....
Bee Culture (Ent 235).....	.....	.....	3
Practical Poultry Keeping (PII 211).....	.....	.....	3
Principles of Vegetable Production (VC 321).....	3	.....	.....
Vegetable Growing Practices (VC 323).....	.....	.....	3
Plant Propagation (IIRT 311).....	.....	3	.....
Electives.....	7	5	8
	17	17	17

Electives

Fruit Production (Pom 415).....	.....	.....	4
Potato Growing (FC 311).....	.....	2	.....
Principles of Canning Vegetables (HP 252).....	.....	3	.....
Agricultural Statistics (AEc 221).....	.....	.....	3
French or German.....	3-4	3-4	3-4
Advanced Plant Pathology (Bot 451).....	3	.....	.....

	Senior Year		
	Term hours		
	1st	2d	3d
Extempore Speaking (Eng 130).....	3	4	...
Modern Governments (PS 201).....	1	4	...
Vegetable Forcing (VC 421).....	2	2	...
Vegetable Varieties (VC 423).....	2	3	...
Vegetable Marketing (VC 424, 425).....	3	3	...
Seminar (Hrt 407).....	1	1	1
Electives.....	3	7	16
	17	17	17
<i>Electives</i>			
Refrigeration (ME 462).....	...	...	3
Methods of Research (Hrt 411).....	...	3	...
Enterprise Costs and Profits (FM 414).....	...	...	3
Applied Plant Genetics (FC 330).....	5	...	...
Classification of Flowering Plants (Bot 203).....	...	...	4
Greenhouse Crops (Hrt 312, 313, 314).....	3	3	3

SOILS

Junior Year			
Genetics (Z 214).....	3	...	...
Animal Nutrition (AH 411) or Fruit Production (Pom 415).....	...	...	4
Farm Accounting (FM 311).....	...	3	...
Farm Motors (AE 211).....	3	...	...
Irrigation Farming (Sls 311).....	3	...	...
Western Land and Water Laws (Sls 314).....	...	3	...
Soil Survey (Sls 327).....	...	...	3
Soil Bacteriology (Bac 421).....	4	...	...
Agricultural Land Economics (FM 416).....	...	3	...
Principles of Economic Entomology (Ent 201).....	...	...	3
Elementary Journalism (J 111).....	...	3	...
Electives.....	5	5	7
	18	17	17

Senior Year			
Extempore Speaking (Eng 130).....	3	...	...
Modern Governments (PS 201).....	...	4	...
Soil Physics (Sls 321).....	5	...	...
Soil Fertility (Sls 424).....	...	5	...
Soil Management (Sls 428).....	...	...	5
Irrigation (Sls 414).....	3	...	...
Seminar (Sls 407).....	1	1	1
Electives.....	5	7	11
	17	17	17
<i>Electives</i>			
General Physics (Ph 201, 202).....	4	4	...
General Geology (G 201).....	3 or	3	...
Elementary Psychology (Psy 201), Secondary Education (Ed 311), Principles of Teaching (Ed 313).....	3	3	3

B. Curriculum in Agricultural Engineering

B.S. Degree

AGRICULTURAL Engineering involves the application of engineering principles in the industry of agriculture. The curriculum includes work in mathematics, physics, and chemistry, and fundamental courses in the different engineering departments. Agriculture subjects are selected to familiarize the student with methods of scientific agriculture.

Graduates in Agricultural Engineering take up work along the following lines: college extension, experiment station, and government work in

agricultural engineering; sales and development work with manufacturers of implements such as tractors and farm equipment; agricultural specialists with building materials and equipment companies. For those who desire to enter the commercial field, unusual opportunities are afforded in the farm implement and lumber retail business. The teaching of vocational agriculture in the public schools and service as managers or operators of farms where the knowledge of drainage, farm structures, and machinery and power equipment is important also afford opportunities for graduate agricultural engineers.

	Freshman Year		
	1st	2d	3d
English Composition (Eng 111, 112, 113).....	3	3	3
Agricultural Engineering (AE 111).....	3	.....	.....
Engineering Problems (GE 101, 102, 103).....	2	2	2
Linear Drawing and Lettering, Elementary Mechanical Drawing (GE 111, 112).....	.....	2	2
Trigonometry and Elementary Analysis (Mth 121, 122, 123), or Mathematical Analysis (Mth 131, 132, 133).....	5	5	5
Engineering Physics (Ph 111, 112, 113).....	3	3	3
Military Science and Tactics.....	1	1	1
General Hygiene and Physical Education (PE 151, 152, 153).....	1	1	1
	18	17	17
Sophomore Year			
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Farm Motors (AE 211).....	.....	.....	3
Farm Construction (Farm Shop I) (AE 221).....	3	.....	.....
Farm Equipment Repair (Farm Shop II) (AE 222).....	.....	3	.....
Elementary General Chemistry (Ch 201, 202, 203).....	3	3	3
Cereal Production (FC 111).....	.....	.....	3
Differential and Integral Calculus (Mth 204, 205, 206).....	4	4	4
Soils (Sls 211, 212).....	3	3	.....
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
	18	18	18
Junior Year			
Farm Implements (AE 231).....	.....	.....	2
Automobile Mechanics (AE 313).....	.....	3	.....
Farm Structures (AE 361).....	3	.....	.....
Livestock Management I (AH 221).....	.....	4	.....
Hydraulics (CE 311).....	3	.....	.....
Elements of Dairying (DH 211).....	3	.....	.....
Principles of Farm Management (FM 211).....	.....	.....	3
Steam, Air, and Gas Power (ME 345, 346).....	.....	3	3
Mechanics (MM 351).....	3	.....	.....
Materials of Engineering (MM 311).....	.....	3	.....
Strength of Materials (MM 353).....	.....	.....	3
Electives.....	4	3	5
	16	16	16
Senior Year			
Pumps and Water System (AE 321).....	3	.....	.....
Rural Electrification (AE 331).....	.....	3	.....
Direct Currents (EF 351).....	3	.....	.....
Alternating Currents (EE 352).....	.....	3	.....
Alternating Current Machinery (EE 353).....	.....	.....	3
Constructive Accounting (BA 111).....	.....	.....	3
Modern Governments (PS 201).....	4	.....	.....
Extempore Speaking (Eng 130).....	.....	3	.....
Electives.....	6	7	10
	16	16	16

¹Agricultural Sciences may be substituted for Mth 204, 205, 206.

C. Curriculum in Horticultural Products

(Horticulture)

B.S. Degree

IN the Horticultural Products curriculum the objective is to train students in the fields of canning, preserving, fruit juice and vinegar making, carbonated beverage manufacture, pickling, dehydrating, and the by-products of these industries. Training in these and other phases of food manufacturing and handling is both technical and practical. Positions open besides those connected with the actual manufacture in the above mentioned fields are: buyers of raw materials, salesmen, food brokers, food inspectors, food chemists, food bacteriologists, food research workers, and instructors in foods.

	Term hours		
	1st	2d	3d
Freshman Year			
English Composition (Eng 111, 112, 113).....	3	3	3
Elementary General Chemistry (Ch 201, 202, 203).....	3	3	3
General Botany (Bot 101, 102, 103).....	3	3	3
General Physics (Ph 201, 202, 203).....	4	4	4
Mathematics.....	3	.....	.....
History of America (Hst 225).....	.....	3	.....
Elements of Horticulture (Hrt 111).....	.....	.....	3
Military Science and Tactics.....	1	1	1
General Hygiene and Physical Education (PE 151, 152, 153).....	1	1	1
	18	18	18

Sophomore Year			
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Elementary Journalism (J 111).....	.....	.....	3
Extempore Speaking (Eng 130).....	.....	.....	3
Landscape Architecture (LA 279).....	.....	.....	3
Organic Chemistry (Ch 221).....	5	.....	.....
Elementary Biochemistry (Ch 251).....	.....	5	.....
Business Law (BA 256, 257).....	4	4	.....
Principles of Canning Fruits (HP 251).....	.....	3	.....
Principles of Canning Vegetables (HP 252).....	.....	3	.....
Graphic Methods (AE 311).....	.....	.....	2
Military Science and Tactics.....	1	1	1
Physical Education (PE 251, 252, 253).....	1	1	1
Elective.....	.....	.....	1
	17	17	17

Junior Year			
General Bacteriology (Bac 201, 202, 203).....	3	3	3
Principles of Plant Pathology (Bot 351).....	4	.....	.....
Principles of Plant Physiology (Bot 331).....	.....	.....	3
Labor Problems (Ec 405).....	4	.....	.....
Money and Banking (Ec 413).....	.....	4	.....
Dehydration of Fruits and Vegetables (HP 331).....	3	.....	.....
Pickles, Relishes, and Condiments (HP 341).....	3	.....	.....
Fruit Production (Pom 415).....	.....	.....	4
Modern Governments (PS 201).....	.....	4	.....
Elements of Organization and Production (BA 221).....	.....	.....	3
Electives.....	.....	5	3
	17	16	16

	Senior Year		
	Term hours		
	1st	2d	3d
Principles of Accounting for Engineers (BA 385).....		3	.....
Fruit Juice and Vinegar Manufacture (HP 351).....	3	3	.....
Commercial Jam and Jelly Manufacture (HP 352).....		3	.....
Preserves, Glacé Fruits, and Candied Fruits (HP 361).....			3
Commercial Pomology (Pom 313).....	4	.....	.....
Seminar (Hrt 407).....	1	1	1
Electives	8	9	12
	16	16	16

D. Curriculum in Agricultural Technology

B.S. Degree

THE curriculum in Agricultural Technology provides training for students desiring specialized or technical lines of work leading to some special objective. Such work necessarily involves rather liberal electives. This curriculum is open to students with a definite technical objective. They should confer with the Dean of the School of Agriculture and work out a complete program of electives leading to the special work. Training in this curriculum leads to technical work in the industries handling agricultural and related products and to specialized lines in State or Federal research and regulatory work. Men and women desiring to be dairy or milling chemists, dairy or agricultural bacteriologists, insecticide, fertilizer, or seed analysts, transportation or refrigeration specialists, specialists in processing of agricultural products, managers of warehouses or elevators, plant explorers, and other specialists may be trained under this curriculum.

	Freshman Year		
	Term hours		
	1st	2d	3d
English Composition (Eng 111, 112, 113).....	3	3	3
Elementary General Chemistry (Ch 201, 202, 203).....	3	3	3
Animal Biology (Z 101, 102, 103) or General Botany (Bot 101, 102, 103).....	3	3	3
Unified Mathematics (Mth 105, 106, 107) or Lower division agricultural courses.....	4	4	4
Electives (Lower division agriculture courses).....	2	2	2
General Hygiene and Physical Education (PE 251, 252, 253).....	1	1	1
Military Science and Tactics.....	1	1	1
	17	17	17

	Sophomore Year		
	Term hours		
	1st	2d	3d
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Organic Chemistry (Ch 221).....	5	.....	.....
Genetics (Z 214).....	3	.....	.....
General Bacteriology (Bac 201).....		3	.....
Lower Division Science Elective (Sequence courses).....	3	3-5	3-8
Agricultural Electives from courses numbered 211 to 299.....		4-6	4-9
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
Military Science and Tactics.....	1	1	1
	16	17	17

Junior and Senior Years

Not less than 36 hours of upper division courses in Agriculture including 3 hours of Seminar.

E. Curricula in the Sciences Basic to Agriculture

B.S. Degree

Agricultural Biochemistry
Bacteriology
Botany and Plant Pathology

Entomology
Soil Science
Zoology

CURRICULA in the Sciences Basic to Agriculture train students for technical positions in agricultural industries. These curricula also afford adequate preparation for graduate studies leading to a career in research related to agriculture. The curricula are arranged so as to provide broad and thorough basic training combined with courses in Agriculture as a foundation for later specialized and applied work, such as that of specialists in the United States Department of Agriculture or in the various state experiment stations; in Federal or State plant quarantine service; in field, shipping point, and market inspection; technical advisers, experimenters, and field agents for commercial concerns which deal in agricultural supplies and equipment; soil and fertilizer technologists; specialists in plant and animal breeding investigations; or research or commercial bacteriologists or chemists in agricultural investigations or industries.

FRESHMAN YEAR

	Term hours		
	1st	2d	3d
English Composition (Eng 111, 112, 113).....	3	3	3
¹ Elementary General Chemistry (Ch 201, 202, 203).....	3	3	3
² Animal Biology (Z 101, 102, 103).....	3	3	3
³ General Botany (Bot 101, 102, 103) or Unified Mathematics.....	3-4	3-4	3-4
Military Science and Tactics.....	1	1	1
General Hygiene and Physical Education (PE 251, 252, 253).....	1	1	1
Electives.....	2-3	2-3	2-3
	17	17	17

PROGRAMS FOR SOPHOMORES, JUNIORS, AND SENIORS

The curricula beyond the freshman year are arranged by the heads of the respective departments and approved by the Dean of the School of Agriculture. Students majoring in Sciences Basic to Agriculture are required to take Agriculture courses to the extent of at least 18 credits. Such courses should be concentrated largely in the field of agriculture in which the student expects to apply his scientific training. Two years of German or French should be taken by all students expecting to engage in research.

AGRICULTURAL BIOCHEMISTRY

Sophomore Year

	Term hours		
	1st	2d	3d
Qualitative Analysis (Ch 231), Quantitative Analysis (Ch 232, 233).....	5	5	5
Differential and Integral Calculus (Mth 201, 202, 203).....	4	4	4
Electives (chosen from biological and agricultural science courses).....	3	3	3
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
	17	17	17

¹Students majoring in Agricultural Biochemistry and others who are properly qualified take Ch 204, 205, 206.

²In case of Bacteriology, Botany, Entomology, and Zoology, if Bot 101, 102, 103 are taken in freshman year, Z 101, 102, 103 are taken in sophomore year.

	Junior Year		
	Term hours		
	1st	2d	3d
Organic Chemistry (Ch 430, 431, 432).....	4	4	4
General Physics (Ph 201, 202, 203).....	4	4	4
Agricultural and Biochemical Analysis in Specialized Fields (Ch 351, 352, 353).....	3	3	3
Elementary German or French.....	3	3	3
Electives (chosen from Biological Science and Agriculture courses).....	3	3	3
	17	17	17

Senior Year			
Biochemistry (Ch 450, 451).....	5	5	---
Animal Physiological Chemistry (Ch 452), or Plant Physiological Chemistry (Ch 453).....	---	---	5
Physical Chemistry (Ch 440, 441, 442).....	4	4	4
Intermediate German or French.....	3	3	3
Senior Thesis (Ch 403).....	2	2	2
Electives (chosen from Biological Science and Agriculture courses).....	3	3	3
	17	17	17

BACTERIOLOGY

Sophomore Year			
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Organic Chemistry (Ch 226, 227), Elementary Biochemistry (Ch 251).....	5	5	5
General Physics (Ph 201, 202, 203).....	4	4	4
General Bacteriology (Bac 201, 202, 203).....	3	3	3
Principles of Economic Entomology (Ent 201).....	---	---	3
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
	17	17	20

Junior Year			
Botany or Zoology.....	3	3	3
Farm Accounting (FM 311).....	---	3	---
Principles of Farm Management (FM 211).....	---	---	3
Outlines of Economics (Ec 211).....	4	---	---
Genetics (Z 214).....	3	---	---
Animal Physiological Chemistry (Ch 452).....	---	---	5
Bacteriology.....	5	5	5
Electives.....	2	6	1
	17	17	17

Senior Year			
Modern Governments (PS 201).....	4	---	---
Extempore Speaking (Eng 130).....	---	3	---
French or German.....	3	3	3
Physical Chemistry (Ch 440, 441, 442).....	4	4	4
Bacteriology.....	5	5	5
Electives.....	1	2	5
	17	17	17

BOTANY AND PLANT PATHOLOGY

Students intending to major in this department should consult with the department head before registering. Besides nine term hours in general botany, at least 27 additional hours must be taken in this department. Students intending to pursue graduate studies in preparation for research should, if possible, take two years each of German and French.

	Term hours		
	1st	2d	3d
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Organic Chemistry (Ch 226, 227).....	5	5	.....
Quantitative Analysis (Ch 233).....	.....	.....	5
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
Electives	7	7	7
	<u>17</u>	<u>17</u>	<u>17</u>

Junior and Senior Years

Student programs are made up by arrangement with the department head.

ENTOMOLOGY

Sophomore Year

Principles of Economics (Ec 201, 202, 203).....	3	3	3
Organic Chemistry (Ch 226, 227).....	5	5	.....
Botany or Zoology.....	3	3	3
Principles of Economic Entomology (Ent 201).....	3	.....	.....
General Bacteriology (Bac 201, 202).....	.....	3	3
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
Electives	1	1	6
	<u>17</u>	<u>17</u>	<u>17</u>

Junior and Senior Years

Student programs are made up by arrangement with department head.

SOIL SCIENCE

Sophomore Year

Principles of Economics (Ec 201, 202, 203).....	3	3	3
General Bacteriology (Bac 201).....	.....	3	.....
Principles of Plant Physiology (Bot 331).....	.....	.....	3
Organic Chemistry (Ch 226).....	5	.....	.....
Quantitative Analysis (Ch 232).....	.....	.....	5
General Geology (G 201).....	3	.....	.....
Soils (Sls 211, 212), Soil Drainage and Irrigation (Sls 213).....	3	3	3
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
Electives	1	6	1
	<u>17</u>	<u>17</u>	<u>17</u>

Junior and Senior Years

See Soils major, page 244.

ZOOLOGY

Sophomore Year

Principles of Economics (Ec 201, 202, 203).....	3	3	3
Organic Chemistry (Ch 226, 227).....	5	5	.....
Botany or Zoology.....	3	3	3
Principles of Economic Entomology (Ent 201).....	.....	.....	3
Biology of the Vertebrates (Z 201, 202, 203).....	4	4	4
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
Electives .....	.....	.....	2
	<u>17</u>	<u>17</u>	<u>17</u>

	Term hours		
	1st	2d	3d
Junior Year			
Genetics (Z 214).....	3	.....	.....
Evolution and Eugenics (Z 215).....	.....	.....	3
Parasitology (Z 436).....	.....	4	.....
Advanced Histology (Z 375).....	3	.....	.....
General Entomology (Ent 202).....	.....	.....	3
Farm Accounting (FM 311).....	3	.....	.....
Physiology of Domestic Animals (VM 221).....	.....	.....	3
Elementary Journalism (J 111).....	.....	.....	3
General Physics (Ph 201, 202, 203).....	4	4	4
General Bacteriology (Bac 201).....	.....	3	.....
General Geology (G 201, 202).....	5	3	.....
Electives.....	1	3	1
	17	17	17
Senior Year			
Extempore Speaking (Eng 130).....	3	.....	.....
Business Law (BA 256).....	4	.....	.....
Agricultural Economics (AEC 211).....	.....	3	.....
Advanced Vertebrate Embryology (Z 377).....	.....	.....	3
Field Zoology.....	.....	4	.....
Electives.....	10	14	10
	17	17	17

Agricultural Economics

DESIGNED primarily to meet the needs of students interested in the business side of agriculture and its broader economic relationships the Department of Agricultural Economics offers in addition sufficient work in agricultural science and technique to give the student a scientific concept of the industry.

The growth of agriculture into a vast commercial industry and the increasing maze of economic, financial, and marketing problems accompanying that development are opening up attractive opportunities to well-trained students in agricultural economics. Not only does this course of study afford excellent preparation for those who intend to farm and assume positions of business, educational, and community leadership, but it gives the basic training needed for professional careers as teachers, research workers, and extension specialists. It lays a foundation for a business career in connection with farmers' buying and selling associations, real estate and farm mortgage companies, banks, brokerage, jobbing, wholesale, and retail houses, and expert business service for the agricultural field. It should give the best possible training for positions as county agricultural agents, secretaries of chambers of commerce, and agricultural advisers to business houses or railway companies where aggressive qualities of leadership and an intimate knowledge of town and country relations are required.

In order that the student may have ample opportunity to acquire the broad and liberal training requisite for entry into many of these occupations ample electives are provided for in the junior and senior years.

The practical character of instruction in agricultural economics is enhanced by the extension and research activities conducted by this department. Through the Agricultural Experiment Station investigations

dealing with (a) rural taxation, (b) cooperative marketing, and (c) economic trends and the market situation and outlook for Oregon's leading agricultural commodities are being conducted.

Through the Extension Service, market news and agricultural situation and outlook material is disseminated to farmers and others who manifest an interest in receiving such information. Special attention is also given to the needs of agricultural cooperation in the state. Technical assistance is placed at the disposal of farmers in planning, promoting, organizing, financing, and managing cooperatives.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

AEc 211. Agricultural Economics. Third term, 3 hours.

Fundamental principles of production, consumption, and distribution with special reference to agriculture; land tenure; land values; the law of proportions; pricemaking processes; money; banking; rural credit; cooperation; marketing; transportation; taxation; rent, interest, wages, and profits. Three recitations. Professor Dreesen.

AEc 221. Agricultural Statistics. Second term, 3 hours.

Sources of business and agricultural statistics; study of statistical devices used in the fields of business and agriculture, such as indices, trends, seasons; problems involved in comparing statistical results. Three recitations. Professor Nelson.

UPPER DIVISION COURSES

AEc 307. Seminar. Three terms, 1 hour each term.

Study of current topics in agricultural economics. Required of juniors in Agricultural Economics. Professor Nelson.

AEc 311. Cooperation and Farmers' Movements. Third term, 3 hours.

A review of the fundamentals of cooperation followed by a discussion of agrarian organizations such as the Grange, Farmers' Union, American Society of Equity, the Gleaners, Farm Bureau, Nonpartisan League, and cooperative organizations for production, distribution, consumption, and credit purposes. Offered alternate years. Not offered 1932-33. Prerequisite: AEc 211. Three recitations. Professor Nelson.

AEc 331. Economic Development of Agriculture. Third term, 3 hours.

The evolution of the economic organization starting with the earliest stages in Roman and medieval times, but with special attention given to later agriculture in Europe and in America. Methods of agricultural production and marketing, types of farming, and systems of tenure are traced historically. Offered alternate years. Not offered 1932-33. Prerequisite: AEc 211. Three recitations. Professor Nelson.

AEc 351. Agricultural Prices. Third term, 3 hours.

The purpose is to analyze trends of farm and market prices; compare prices of agricultural commodities with non-agricultural products and consider prices in their relation to production and marketing programs. The State and National agricultural situation and outlook will receive special attention. Not offered 1932-33. Prerequisites: AEc 211, 221, 441. Three lectures.

AEc 407. Seminar. Three terms, 1 hour each term.

Study of current topics in agricultural economics. Required of seniors in Agricultural Economics. Professor Nelson.

AEc 411. Cooperative Marketing Organization. Second term, 3 hours.

Principles of organization, management, and operation of cooperative marketing associations; application to the various types of agricultural commodities. Emphasis on types of organization and methods of formation, financial and operating policies, membership relations, marketing machinery and functions, sales methods and policies, and public relations. Prerequisite: AEc 441. Three recitations. Professor Nelson.

AEc 421. Land Economics. First term, 3 hours.

Deals with the underlying principles pertaining to urban, agricultural, mineral, forest, and other types of land in their social setting. Attention is focused on land resources, their classification, valuation, and use and related problems of finance and taxation. Not offered 1932-33. Prerequisite: Ec 203. Three recitations. Professor Nelson.

AEc 431. Rural Finance. Third term, 3 hours.

Fundamental principles of credit and finance as applied to agriculture; the credit requirements of agriculture; existing agencies for supplying credit and ways and means of utilizing them; strength and weakness of present credit system and proposals for reform. Offered alternate years. Offered 1932-33. Prerequisite: Ec 203; junior or senior standing. Three recitations. Professor Nelson.

AEc 433. Land Taxation. Second term, 3 hours.

A critical study of the present system of land assessment and taxation; tax burden of real property compared with tax burden of personal property, tangible and intangible; study of methods of taxing mineral wealth, forests, and water-power; analysis of effects of changes in taxation system. Offered alternate years. Not offered 1932-33. Prerequisite: Ec 203 or equivalent. Three recitations. Professor Dreesen.

AEc 441. Principles of Agricultural Marketing. First term, 4 hours.

A critical study of the marketing of staples, semi-staples, and perishable farm products, including the geographical location of producing areas, marketing routes from the producer to the consumer, types of middlemen, direct marketing, marketing costs, standardization, factors influencing prices, and a general description of our whole marketing system as it exists today. Prerequisite: Ec 203. Four recitations. Professor Nelson.

GRADUATE COURSES

AEc 501. Graduate Research. Three terms, hours to be arranged.

Opportunity is given students to undertake, under the direction of one of the instructors in the department, the study and investigation of special problems related to agricultural economics and rural sociology.

AEc 503. Graduate Thesis. Three terms, hours to be arranged.

The preparation of a thesis for an advanced degree.

AEc 507. Seminar. Three terms, 1 hour each term.

Study of current topics in agricultural economics. Professor Nelson.

Agricultural Education

THIS department is responsible for the training of teachers and supervisors of agriculture in elementary and secondary schools, and the training for leadership in rural life and education. Special attention is given to the training of directors, supervisors, and teachers of agriculture as provided for by the Federal law for vocational education known as the Smith-Hughes Act. Certain field studies and extension activities are included within the scope of this department's work.

The Department of Agricultural Education is a joint department with in both the School of Agriculture and the School of Education.

Preparation for Teaching Agriculture. Teachers of agriculture need to have a fundamental knowledge and a high level of doing ability in most of the departmental fields of the School of Agriculture. On account of requirements very little provision can be made in the Agricultural Education curriculum for electives. In order to increase the number of electives that can be taken during a four-year period, courses in Psychology and Education may be taken in the Summer Session prior to the junior or senior year.

Former graduates of the School of Agriculture may prepare themselves very satisfactorily for teaching agriculture by returning for a fifth year of work during which they can elect certain courses in Agriculture that are fundamental for teaching and also complete the required courses in Education.

Requirements in Agriculture.

- (1) Graduation from a college of agriculture of standard rank,
- (2) The course requirements in Agriculture and Education (for Smith-Hughes teaching) can be met in either of two ways: first, by majoring in the Agricultural Education curriculum, which includes requirements in both Agriculture and Education; second, by pursuing one of the three other curricula in Agriculture in the

sophomore year and any of the major curricula in General and Specialized Agriculture during the junior and senior years. The latter plan is satisfactory provided sufficient electives are available for meeting the course requirements in Agriculture as well as the 23 credits in Education required for state certification.

The curriculum leading to state certification in Agricultural Education is outlined on page 237.

(3) Depending on the student's previous training and experience and his choice of courses, 75 to 85 term hours of special work in Agriculture are required. The sequence and distribution of courses are given in the Agricultural Education curriculum. Regardless of the department in which the student majors he should have subject-matter courses in the respective departments as follows:

- (a) 11 hours in Agricultural Engineering
- (b) 10 hours in Animal Husbandry
- (c) 7 hours in Dairy Husbandry
- (d) 10 to 13 hours in Horticulture
- (e) 9 to 11 hours in Farm Crops
- (f) 9 to 13 hours in Farm Management and Agricultural Economics
- (g) 9 to 12 hours in Soils
- (h) 3 to 7 hours in Poultry Husbandry
- (i) 3 to 7 hours in Veterinary Medicine

As early as possible in his college course the prospective teacher should advise with the head of the Department of Agricultural Education regarding the courses he should select in each of the fields of agriculture mentioned above and the various qualifications essential in teaching vocational agriculture.

Requirements in Education. The courses in Education and Psychology required for state certification are described under School of Education. The sequence and distribution of these courses are as follows:

	Junior Year		
	Term hours		
	1st	2d	3d
Educational Psychology (Ed 312).....	3	.....	.....
Secondary Education (Ed 311).....	.....	3	.....
Principles of Teaching (Ed 313).....	.....	.....	3
Senior Year			
Special Methods in Agriculture (Ed 328).....	5	.....	.....
¹ Supervised Teaching (Ed 315).....	.....	3	3
Methods in Teaching Evening and Part-Time Classes in Agriculture (AEd 313).....	.....	2	.....
Rural Survey Methods (AEd 411).....	.....	.....	2

Special Curricula in Agricultural Education will be outlined for students preparing to teach agriculture in city schools or a combination of subjects including Agriculture as requested in the smaller rural high schools.

¹Ed 315 may be taken any two terms.

General Electives. Certain courses are open to all students in Agriculture and others who are interested in training for leadership in rural life. Special attention is called to AEd 331, Rural Education.

Graduate Study in Agricultural Education. Since the demands on teachers of agriculture the country over are becoming more exacting each year, graduate work in the fields of agriculture and education is desirable, and usually necessary for those who desire to enter the fields of supervision or teacher training. Programs of work leading to the degree of Master of Science are outlined by this department for students and teachers with approved standing.

DESCRIPTION OF COURSES

UPPER DIVISION COURSES

AEd 313. Methods in Teaching Evening and Part-Time Classes in Agriculture. Second term, 2 hours.

The administration and organization of classes for both young and adult farmers under the provisions of the state and federal boards for vocational education. Special attention to the use of the conference method as applied to the teaching of adult classes. Students in this course participate in recruiting, organizing, and teaching evening and part-time classes in the vicinity of Corvallis. Problems arising therefrom form the basis of the course. Prerequisite: Ed 328. Two recitations.

AEd 315. Club Work and Agriculture in the Elementary School. Second term, 3 hours.

Aims, materials, and methods of teaching and supervising elementary agriculture in upper elementary grades and junior high school. Stress is given to club work, covering its history, scope, organization, supervision, and administration. For prospective agriculture teachers, county agents, and club leaders. Three recitations.

AEd 316. Extension Course in Teacher Training. Any term, hours to be arranged.

This course is designed primarily for teachers of vocational agriculture in service who cannot be relieved of their professional duties to pursue courses that are offered in the Summer Session, but who wish to continue their professional improvement. Personal conferences, follow-up instruction, and supervision, supplemented by correspondence and reports. Prerequisites: Ed 311, 312. Professor Gibson.

Ed 328. Special Methods in Agriculture. First or second term, 5 hours.

Problems and methods of organizing and teaching vocational agriculture in high schools, part-time, and evening classes, for both young and adult farmers, in accordance with the provisions of state and Federal legislation. Prerequisite: Ed 313. Five recitations.

AEd 331. Rural Education. Third term, 3 hours.

Problems and methods in planning a program in rural education based on the analysis of the conditions and structure of the rural community and the psychology of rural life. The place of the high school and other rural organizations in achieving farm life and community efficiencies. Prerequisite: junior standing. Three recitations. Professor Gibson.

AEd 407. Seminar. Two terms, hours to be arranged.

Class and individual studies and reports on special problems in the teaching of agriculture and the administration of Agricultural Education. Prerequisites: Ed 311, 312, 328. Professor Gibson.

AEd 421. Agriculture in Secondary Schools. First or second term, 5 hours.

A study of the organization, administration, and methods of teaching agriculture. This course is based largely on the use of materials obtained from records and reports and by means of excursions and field studies which are required for the work. Prerequisites: Ed 311, 312, 313. Five recitations. Professor Gibson.

GRADUATE COURSES

Ed 501. Educational Research. Terms and hours to be arranged.

Advanced and graduate students may select special problems which they are qualified to study. Ability to select and outline such problems will be a condition for taking this work. Professor Gibson.

Ed 503. Thesis. Terms and hours to be arranged.

The preparation of a thesis for an advanced degree.

AEd 533. Rural Survey Methods. Third term, 2 hours.

The technique of making agricultural and rural education surveys, together with methods of analyzing, interpreting, and using the material and results as a basis for evaluating and formulating programs in Agricultural Education. Field studies required. Open to graduates with teaching experience and seniors by special permission. Prerequisites: Ed 311, 312, 313, 328. Professor Gibson.

Agricultural Engineering

THIS department offers two types of instruction: (1) a major curriculum in Agricultural Engineering and (2) service courses for students majoring in other departments. The technical major is planned to give training in the application of engineering to agriculture. Phases of the work include farm equipment, farm power, farm structures, and the relation of electricity to agriculture. The sciences fundamental to engineering and agriculture, including mathematics, physics, chemistry, and economics, serve as a basis for practical work in agriculture and agricultural engineering. Opportunity is given to elect non-technical work of cultural value.

Graduates are fitted for design and sales opportunities with farm equipment concerns, for positions with public utility companies, in Smith-Hughes teaching, as county agents, in consulting agricultural engineering, in research, or as effective farm operators.

The increasing importance of modern equipment in reducing cost of production, together with the desirability of improving rural living conditions, demands, in any branch of agriculture, a more complete and effective grasp of agricultural engineering. Students majoring in other departments who recognize the need for a knowledge of farm shop, farm implements, farm gas engines, tractors and automobile mechanics, building materials, and home conveniences may elect non-technical courses in Agricultural Engineering.

Equipment. The most up-to-date equipment is lent the institution by the leading implement dealers of the Northwest, so that the student has constantly before him and is working with and studying the very best equipment of all types. The large, well-lighted gas-engine laboratory contains many different makes of gas engines, trucks and tractors, and accessories, such as sectional carburetors, magnetos, and lubricators.

The laboratory is also equipped with two large brakes for the testing of tractors, dynamometers for determining the draft of the field machines and the draw-bar horse-power of tractors, a gas and steam indicator for determining the efficiency of farm engines and tractors, and electric motors and measuring devices, so that the student may become familiar with the power requirements of belt-driven farm machines. Many tractors of the latest design are available for use of the students in the laboratory and in the field.

Light and water systems, septic tanks, and other equipment for the farm home are installed in the Farm Conveniences laboratory. The design of farm structures and graphic methods are taught in a room provided with filing cases, blue-printing equipment, and individual drafting tables.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

AE 111. Agricultural Engineering. Any term, 3 hours.

Application of principles of mechanics, hydraulics, and electricity to study of farm equipment; practical farm problems. Two recitations; 2 two-hour laboratory periods.

AE 211. Farm Motors. Any term, 3 hours.

The principle, construction, operation, and adjustment of farm motors and accessories, carburetors, magnetos, ignition, governing, cooling, and lubricating systems; fuels and oils; testing, timing, and trouble hunting of farm gas motors, such as are used in the tractor, truck, automobile, and stationary outfits. Two recitations; 1 three-hour laboratory period.

AE 221. Farm Construction (Farm Shop I). Any term, 3 hours.

Farm drawing, reading blueprints, and estimating materials; farm building costs, construction of gates, fences, feeders, and various farm buildings, types of farm buildings and their construction, building specifications, tool sharpening, farm shop equipment, painting and glazing. One recitation; 2 three-hour laboratory periods.

AE 222. Farm Equipment Repair (Farm Shop II). Any term, 3 hours.

Repairing farm machinery and farm equipment, care of farm tools, farm repair shop and equipment. Soldering, babbiting, bearings, hot and cold metal work, oxacetylene welding, taps and dies and pipe work. One recitation; 2 three-hour laboratory periods.

AE 231. Farm Implements. Any term, 2 hours.

Study of the latest horse- and tractor-drawn farm implements, plows and their adjustments and hitches, cultivating machinery, seeding and planting machines, hay and grain cutting machines, and manure spreaders; fences and roads; adjustment of machines. Two recitations; 1 two-hour laboratory period.

UPPER DIVISION COURSES

AE 311. Graphic Methods. Any term, 2 hours.

Plotting and charting of figures and statistics relating chiefly to agricultural subjects; analyzing such material, putting it into a form which is easily read and understood, and charting the material in an attractive manner; use of drawing instruments. Two three-hour laboratory periods.

AE 312. Automobile Mechanics. Any term, 3 hours.

A detailed survey of the automobile and its parts; their functions, adjustment and simple repairs; advantages and disadvantages of different features in automobile construction; latest developments in the automotive field. This course is designed for the student who wishes to understand the principles of automobile operation together with simple repairs and adjustments which the operator of an automobile may have occasion to make. Two recitations; 1 three-hour laboratory period.

AE 313. Automobile Mechanics. Any term, 3 hours.

Practical work in overhauling and repairing automobiles, tractors, and trucks, involving disassembling and assembling of parts, testing for and locating troubles, making replacements and repairs. Lectures, demonstrations, class discussions, and laboratory work. Prerequisite: AE 211 or 312. One recitation; 2 three-hour laboratory periods.

AE 314. Automobile Mechanics. Second or third term, 3 hours.

(Advanced course.) A continuation of AE 313 for students who wish to acquire additional skill and information relative to automobile repairing and overhauling, especially those intending to teach automobile mechanics. Prerequisites: AE 211 or 312, and AE 313. Two recitations; 1 three-hour laboratory period.

AE 321. Pumps and Water Systems. Any term, 3 hours.

The study, operation, and testing of different types of pumps, irrigation equipment, and farm water supply systems, farm sewage disposal and plumbing. Farm spray pumps and equipment, water wheels and farm water-power development. Prerequisite: AE 111. Two recitations; 1 three-hour laboratory period.

AE 331. Rural Electrification. Any term, 3 hours.

Uses of electricity on the farm. Farm electric lighting plants. Rural line extension policies. Farm wiring, study of farm electric motors and equipment such as water heaters, cooling, sterilizing, and refrigerating equipment. Prerequisite: AE 111. Two recitations; 1 three-hour laboratory period.

AE 341. Land Clearing. Third term, 2 hours.

The use of explosives, hand stump-pullers, horse pullers; tractor and donkey engine for removing stumps, char-pitting, stump burning, and chemical treatment; what is being done in other states; clearing, terracing, and leveling of lands. One recitation; 1 three-hour laboratory period.

AE 351. Orchard Machinery. Third term, 3 hours.

Construction, operation, and adjustment of orchard machinery, such as gas engine, pump, tillage and seeding implements; orchard plowing and cultivation; demonstration of tractors for orchard work. Intended for students in Horticulture. Two recitations; 1 three-hour laboratory period.

AE 361. Farm Structures. Any term, 3 hours.

Planning of all farm buildings, fences, etc.; building materials; types of construction; lighting; ventilating; heating; plans, specifications, and estimated costs; designing of farm equipment. Prerequisite: AE 221 or equivalent. One recitation; 2 three-hour laboratory periods.

AE 407. Seminar. Terms and hours to be arranged.

Special problems in Agricultural Engineering assigned to students for independent study and research; preparation of papers and reports on recent developments in Agricultural Engineering. For senior and graduate students. Prerequisite: fourteen term hours in Agricultural Engineering or equivalent.

Animal Husbandry

COURSES in Animal Husbandry are planned to fit the student for the actual raising of livestock on the farm so that he may produce the highest grade of stock in the most economical and business-like manner. The student is thoroughly grounded in the underlying principles in order that he may successfully continue his study after leaving college, but the practical details are also thoroughly treated and a special effort is made to keep the student in close touch with the financial phases of the industry. Students who take this work as their specialty are expected not

to devote their entire time to livestock; but, on the contrary, to familiarize themselves with veterinary science, crop production, soil fertility, range botany, and other phases of agriculture as well as general education subjects. Much work in economics and marketing is also expected.

Students majoring in Animal Husbandry must have had considerable practical experience in farming and stock raising before they may be graduated. The nature and extent of the experience required is left to the judgment of the head of the department. Students are given a very free range of electives so that they may fit their programs to their own particular needs.

Students not majoring in Animal Husbandry but desiring to elect some work in the department will be given careful attention to see that they get just the work fitted to their individual needs.

Equipment. The equipment of the department of Animal Husbandry consists essentially of livestock, barns, and the College stock farms. The department maintains good representatives of all the leading breeds. The department has adequate equipment for the conduct of laboratory, lecture, and recitation work. Attention is called to courses and equipment in Veterinary Medicine listed elsewhere.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

AH 111. Stock Judging I. Any term, 3 hours.

The various types of farm animals are studied by score cards and comparative methods, and the student is made familiar with the desirable and undesirable types of beef and dairy cattle, sheep, swine, and horses. Three two-hour laboratory periods.

AH 221. Livestock Management I. Any term, 4 hours.

Practical details of the care and management of livestock, stabling, grooming, sanitation, practical feeding, and kindred details of livestock farming, all with special reference to western conditions. Three recitations; 1 two-hour laboratory period.

UPPER DIVISION COURSES

AH 305. Special Studies. Any term, hours to be arranged.

The student selects some topic for individual investigation by library methods or otherwise. The object is: first, to allow the student to study some particular subject in which he is especially interested; and second, to give him training in working out problems for himself, such as he will have to undertake after leaving college. Professor Potter.

AH 311. Stock Judging II. Third term, 3 hours.

Course in judging all kinds of stock, particularly market types. Prerequisite: AH 111. Three two-hour laboratory periods.

AH 312. Stock Judging III. First term, 4 hours.

Practical judging of all kinds of livestock, with occasional trips to fairs and stock farms. Judging teams for the Pacific International Stock Show are chosen largely from among the members of this class. Prerequisites: at least three credits in stock judging. Four two-hour laboratory periods.

AH 315, 316. Breeds of Livestock I, II. First and second terms, 3 hours each term.

First term deals with the breeds of sheep and beef cattle, their development, breeding, type, and best uses. Second term deals with the breeds of horses and swine, their development, breeding, type, and uses. Prerequisite: AH 111. Three recitations. Professor Nelson, Assistant Professors Oliver and Rodenwold.

AH 319. Livestock Practice. First term, 1 hour.

Laboratory practice in such work as dipping, dehorning, hoof trimming, shearing, horse training, and other common operations of the stock farm. (Note: The department reserves the right to limit the number of students in this course.) One two-hour laboratory period. Assistant Professor Oliver.

AH 320. Livestock Practice. Third term, 2 hours.

A continuation of AH 319. Two two-hour laboratory periods.

AH 323. Reproduction Problems. Second term, 3 hours.

A study of the breeding efficiency of livestock, covering the effect of nutritional, genetic, and physiological factors on reproduction; the care and management of young and breeding animals. In the laboratory work the student has opportunity to observe and study animals during breeding, pregnancy, parturition, and suckling. Prerequisites: AH 411, VM 321, Z 214. Two lectures; laboratory work to be arranged.

AH 326. Meats. Second term, 3 hours.

A study of meats of all classes of meat animals, covering butchering, location and cutting of standard and retail cuts, judging meat raw and cooked, economics of meat production, sanitation and inspection, abattoirs, packing houses, and retail markets. One lecture or recitation; 2 two-hour laboratory periods. Assistant Professor Oliver.

AH 411. Animal Nutrition. First or third term, 4 hours.

The chemical and physiological principles of animal nutrition; function of the various classes of nutrients when taken into the animal body; nutritive ratios; feeding standards; compounding ratios; feeds with special reference to chemical composition, energy values, and general adaptability to stock-feeding purposes. Prerequisite: Ch 251 or Ch 221. Four recitations. Professor Nelson.

AH 412. Feeds and Feeding. Second term, 5 hours.

An advanced course in the feeding of horses, beef cattle, sheep, and swine. Special study is made of the practices of the best stockmen, and of investigations carried on by the various experiment stations.

Students desiring to take only such parts of the course as relate to certain kinds of livestock will be permitted to do so by arrangement with the head of the department. Prerequisite: AH 411. Five recitations.

AH 418. Wool and Mohair. Third term, 3 hours.

A study of wool and mohair, covering commercial value, physical and chemical structure, preparation and marketing, judging, sorting, grading, scouring, and principles of manufacture. Prerequisite: AH 315. Two lectures; 1 two-hour laboratory period. Professor Nelson.

AH 421. Pedigree Study. First term, hours to be arranged.

A laboratory study of the blood lines of the various breeds of livestock. Each student is expected to select one or two breeds as the basis for special study rather than to attempt to cover all breeds. Assistant Professor Rodenwold.

AH 424. Livestock Economics. Third term, 5 hours.

(Advanced course.) Management, dealing particularly with economic and financial phases of livestock production. Prerequisite: AH 412. Five recitations. Professor Potter.

GRADUATE COURSES

AH 501. Graduate Research. Terms and hours to be arranged.

Graduate students are given opportunity to carry on research work along any lines desired. The department is well equipped for graduate work along lines of experimental feeding of hogs, sheep, and beef cattle, livestock management, and all forms of library work with either experiment station or general livestock literature.

AH 503. Graduate Thesis. Terms and hours to be arranged.

The preparation of a thesis leading to an advanced degree. Professor Potter.

Dairy Husbandry

AT the present time there are approximately 26,000,000 dairy cows in the United States. It is estimated that one-sixth of the food supply of the nation is derived from milk and its products. As the population of the country becomes more congested an increasing proportion of the animal food of the country will come from this source. Dairying is one of the most important agricultural industries of Oregon and the Pacific Northwest.

The student who plans to specialize in dairying may elect either dairy production or dairy manufacturing. The courses in dairy production are designed primarily to fit the student for dairy farming, although he may enter upon extension, experiment station, or teaching work. The dairy manufacturing courses are designed to fit the student for technical and

managerial work in the manufacturing field or for experiment station, teaching, inspection, and marketing work.

Equipment. The department has a herd of more than 100 head of pure-bred dairy cattle representing three major dairy breeds. These animals are available for both instructional and experimental purposes and each year are used in teaching judging alone to more than 300 students. The herd is being developed in such a way as to be of unusual value in illustrating the important points in breeding and handling dairy cattle. The herd is free from both tuberculosis and infectious abortion. It is one of the first herds in the country from which infectious abortion has been eliminated. The methods of eradication found successful here are emphasized in teaching work.

The department has a well-equipped manufacturing laboratory. The manufacture of butter, ice-cream, and cottage cheese, and the handling of market milk, are carried on continuously on a commercial scale. The student thus has opportunity to see this work done under practical conditions, and he receives his systematic instruction under the same conditions. The equipment includes a modern cold-storage plant with an 8-ton ammonia compressor, a 20,000-lb. zero-degree butter storage room, and a 150-gallon 5°-below-zero ice-cream hardening room, together with necessary brine tanks.

DESCRIPTION OF COURSES

LOWER DIVISION COURSE

DH 211. Elements of Dairying. Any term, 3 hours.

Fundamental principles and correct practices of modern dairying; testing of milk and cream; principles of buttermaking; operation of farm separators. Prerequisite: Ch 203 or 221. Two lectures; 1 two-hour laboratory period. Assistant Professor Colman.

UPPER DIVISION COURSES

DH 305. Special Studies. Terms and hours to be arranged.

Students who have demonstrated ability to do independent investigation may pursue various lines of study under supervision of members of the staff. Prerequisite: consent of department head. Professors Brandt and Wilster, Associate Professor Jones.

DH 311. Market Milk. Third term, 3 hours.

To train for the production of market milk and for work in city milk plants and as milk inspectors. Distribution problem of the small town and city; methods of buying, standardizing, and distributing milk from the point of view of the plant owner or manager. Prerequisite: DH 211. Two lectures; 1 two-hour laboratory period. Assistant Professor Colman.

DH 312, 313, 314. Dairy Products Manufacturing. Three terms, 4 hours each term.

Principles and practices of commercial manufacture of butter (first term), cheese and casein (second term), ice-cream and concentrated

milk products (third term). Two lectures each term, 2 four-hour laboratory periods, first term, 1 seven-hour laboratory period second term, 2 three-hour laboratory periods third term. Students may register any term. Prerequisite: DH 211. Professor Wilster.

DH 315. Dairy Products Standards. Third term, 1 hour.

A critical study of butter, cheese, milk, and ice-cream with score cards; discussion of defects and reasons therefor. One two-hour laboratory period. Professor Wilster.

DH 321. Dairy Breed Types. Third term, 3 hours.

The correlation of the form of dairy cattle with milk production; gross breed characteristics; comparative judging, terminology of the show ring, and fitting for show. Prerequisite: AH 111. Three two-hour laboratory periods. Associate Professor Jones.

DH 322. Dairy Herd Management. Second term, 3 hours.

History and characteristics of the breeds of dairy cattle and their adaptability to various conditions; the selection of a breed; development of a herd; keeping of records; raising calves and heifers; the principles of feeding dairy cattle. Prerequisite: AH 411. Three lectures. Professor Brandt.

DH 401. Research. Terms and hours to be arranged.

Senior students desiring to pursue advanced work may take up problems which they are qualified to study. Professors Brandt and Wilster, Associate Professor Jones.

DH 405. Special Studies. Terms and hours to be arranged.

Students who have demonstrated ability to do independent investigation may pursue various lines of study under supervision of members of the staff. Prerequisite: consent of department head. Professors Brandt and Wilster, Associate Professor Jones.

DH 407. Seminar. Three terms, 1 hour each term.

The object is to train students to do independent work and to develop the spirit of research. Each student prepares papers and discussions on recent scientific work. One recitation. Professor Brandt.

DH 411, 412. Dairy Technology. Second and third terms, 3 hours each term.

Technical problems in dairy plant operation. Application of fundamental sciences in solving these problems. Analysis of dairy products. Standardization. Prerequisites: DH 211, Ch 232, Bac 411. One lecture, 1 three-hour laboratory period.

DH 421. Breeding Dairy Cattle. Second term, 3 hours.

The application of the principles of genetics to the breeding of dairy cattle; selecting breeding animals; planning the breeding policy of a herd; study of pedigrees. Prerequisite: Z 214. Three lectures. Associate Professor Jones.

DH 422. **Milk Production.** Third term, 3 hours.

A further study of feeding for milk production; more detailed study of various feeding standards and recent feeding investigations; special problems. Prerequisite: AH 411. Three lectures. Professor Brandt.

GRADUATE COURSES

DH 501. **Graduate Research.** Terms and hours to be arranged.

Graduate students who desire to pursue advanced work may take up problems which they are qualified to study. Professors Brandt and Wilster, Associate Professor Jones.

DH 503. **Graduate Thesis.** Terms and hours to be arranged.

The preparation of a thesis leading to an advanced degree. Professors Brandt and Wilster, Associate Professor Jones.

DH 507. **Seminar.** Three terms, 1 hour each term.

The object of this course is to train the student to do independent work and to develop the spirit of research. Each student prepares papers and discussions on recent scientific work. For graduate students. One recitation. Professor Brandt.

Extension Methods

INSTRUCTION in this department is intended to supplement that of the subject-matter departments in the training of students for positions as county agricultural agents, home demonstration agents, boys' and girls' club leaders, extension specialists, and similar service. The work is designed primarily for graduate students, who are expected to outline, in conference with the head of the department, a year's program of work of not less than 48 credits. Whenever possible, students are given opportunity to gain practical experience as assistant county agents, club leaders, etc. Excellent opportunities for training in journalism, public speaking and dramatics, economics, sociology, and the various production departments supplemented by work in extension methods should materially assist in meeting the need for better training on the part of extension workers.

DESCRIPTION OF COURSES

UPPER DIVISION COURSE

EM 411. **Extension Methods.** Third term, 3 hours.

Intensive study of the history and present organization of extension work and of the most successful methods employed by extension specialists, county agricultural agents, home demonstration agents, 4-H club leaders, etc. For senior or graduate students only. Three lectures; 1 laboratory period. Professor Maris and assistants.

Farm Crops

PROBLEMS of production, improvement, marketing, manufacture, and uses of each of the field crops produced for food, forage, textile, and special purposes are dealt with by this department. The purpose of the work is primarily to teach students scientific, practical, and economical methods of crop production, marketing, and improvement that may be put into actual use on the farm. In addition the courses are so arranged that men may fit themselves for business positions in connection with the marketing of farm crops; for civil service positions in agronomy, forage crops, grain standardization, plant breeding, and crop marketing; and for experiment station, extension, and teaching work. The object is to develop men with broad training for leadership along agricultural and general lines and to provide the scientific training that graduates may succeed in the professional and technical agricultural fields. Considerable flexibility in electives is encouraged in order to meet special needs of individual students.

Farm crops graduates occupy technical, commercial, and teaching positions involving considerable responsibility and are successful in farm operation. They are in Federal experimental and regulatory positions and State experimental positions, several are county agents, others are in the seed and grain business, several farm successfully, and some are in graduate study and teaching positions. The field is a large one and deals principally with well-known and staple crops that are constantly in use and in demand. Farm crops work is closely related to four important fields: (1) the daily food supply of our human population, (2) the feed requirements of all classes of farm animals, (3) the growth of plants for textiles, and (4) seed and special crops, such as drug plants. Crops courses make practical application of scientific principles from such fields as soils, physics, chemistry, bacteriology, plant pathology, and physiology.

Equipment. The department has excellent recitation rooms, green-houses, and well-equipped laboratories. The Experiment Station plots and farm fields afford superior opportunities for field study and make possible extensive collection of valuable material for class work. Federal Cooperative investigations in seed testing, forage crop, fiber flax, cereals and hops form a distinct instructional asset. A large collection of the best books, periodicals, etc., dealing with the subject, is available. Oregon State Agricultural College is excellently equipped for grain and hay grading and inspection work; the crop inspection and grading work is a marked advance over anything heretofore offered.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

FC 111. Cereal Production. Any term, 3 hours.

Fundamental principles of economic production, rotation, storage, costs, marketing, uses, and improvement of the leading small cereals,

corn, the sorghums and broom corns, and fiber and seed flax. Prerequisite to all Farm Crops courses except FC 211, 311, 317 and 324. One lecture; 1 recitation; 1 two-hour laboratory period. Associate Professor Hill.

FC 211. Forage and Root Crop Production. Any term, 3 hours.

Fundamental principles of economic production, rotation, storage, costs, marketing, uses, and improvement of the important forage and pasture crops and their seeds, the root crops, and potatoes. Weed control principles. Two lectures; 1 two-hour laboratory period. Professor Hyslop.

UPPER DIVISION COURSES

FC 301. Research. Terms and hours to be arranged.

Original investigation of some scientific problem.

FC 303. Thesis. Terms and hours to be arranged.

Preparation of a thesis based on reading and research.

FC 305. Special Crop Work. Terms and hours to be arranged.

Lectures or laboratory work, or both, for groups of students desiring additional work along special lines of crop production not treated fully in other courses, or for students desiring to carry on advanced reading and conference work beyond that outlined in the regular courses. Professor Hyslop, Associate Professors Bressman and Hill.

FC 307. Seminar. Three terms, 1 hour each term.

Analyses of technical publications on farm crops and allied subjects. Especial attention is given to crop problems in production, breeding, standardization, economics, ecology, and related fields. One period. Professor Hyslop, Associate Professors Bressman and Hill.

FC 311. Potato Growing. Second term, 2 hours.

Potato production; improvement; storage; cost; marketing; distribution; uses; experimental work; varietal studies; identification, judging, and scoring. One recitation; 1 two-hour laboratory period. Professor Hyslop.

FC 313. Lawns and Turfs. First term, 2 hours.

Varieties, characteristics, and adaptability of turf plants and seeds; seed-bed preparation, seeding, fertilization, management, weed and pestcontrol for lawns, golf courses, grass nurseries, playing and landing fields, parks, and other purposes. One recitation; 1 two-hour laboratory period. Professor Hyslop.

FC 317. Weed Eradication. Third term, 2 hours.

Lectures and reference work on weed types and their habits of growth; weed legislation; practical methods of prevention, control, and eradication; special attention to noxious, persistent, perennial, and poisonous weeds of ranch and range. Two lectures. Associate Professor Bressman.

FC 321. Cereal Production. First term, 5 hours.

A thorough study of the production and uses of cereals and allied grains from seed to consumer; varieties; distribution; adaptability; best production methods; markets; manufacture and use of cereals; cereal judging; effects of seed treatment; practical ecological relationships and taxonomic studies; and studies of material in the field. Prerequisites: FC 111; Bot 103. Three lectures; 2 two-hour laboratory periods. Associate Professor Hill.

FC 324. Forage and Related Crops. Third term, 3 hours.

Special studies in the production, handling, marketing, and uses of forage and related plants. Resceding, care, and management of range and pasture lands; use of various plants in green manuring, cover-cropping and sand-binding or soil-protecting purposes; development of turf; comparative use and cost of different forage crops. Prerequisite: FC 211 or equivalent. Two lectures; 1 two-hour laboratory period. Professor Hyslop.

FC 327. Production of Hops, Drug and Related Plants. Second term, 3 hours.

The principles of production, harvest, storage, distribution, marketing and costs of hops, drug and related plants. Prerequisite: Bot 103, or equivalent. Two lectures; 1 two-hour laboratory period. Associate Professor Bressman.

FC 330. Applied Plant Genetics. First term, 5 hours.

Practical application of genetics to economic problems of improvement of field and horticultural crops. Methods of breeding for yield and special qualities are discussed. Modern conceptions of plant breeding, including Mendelism, disease resistance, mutation, selection, hybridization, and inbreeding are studied. Prerequisites: FC 111, 211; Bot 101, 102, 103; Z 214; or equivalents. Four lectures; 1 two-hour laboratory period. Associate Professor Bressman.

FC 401. Research. Terms and hours to be arranged.

Original investigation of some scientific problem.

FC 403. Thesis. Terms and hours to be arranged.

Preparation of a thesis based on reading and research.

FC 405. Special Crop Work. Terms and hours to be arranged.

Similar to FC 305. For seniors.

FC 407. Seminar. Three terms, 1 hour each term.

Similar to FC 307. For seniors.

FC 411. Crop Inspection. Second term, 5 hours.

The inspection, grading, and valuation of cereals, hay, forage, potatoes, beans, seeds, stock feeds, and miscellaneous agricultural commodities according to Federal, State, and other adopted standards; theory and practice of grade fixation and application. A course

for persons buying or selling agricultural commodities, grain supervisors, samplers, inspectors, warehousemen, millers, and others. Prerequisites: FC 111, 211, 321; Ch 221; or equivalents. Two lectures; 3 two-hour laboratory periods. Associate Professor Hill.

FC 414. Seed Production. First term, 3 hours.

Principles and special methods of production, distribution, and use of seed crops of grasses, alfalfa, clover, and other forage legumes; field beans, horse-beans, soy-beans, peas, and other food legumes; and other special seed crops. Seed inspection, seed certification, and seed legislation. Prerequisites: FC 111, 211, 321 or equivalents. Two lectures; 1 two-hour laboratory period. Professor Hyslop.

FC 417. Crop Breeding. Second term, 3 hours.

The theory and technique of breeding plants; mode of inheritance; factor interaction; factor linkage; qualitative inheritance; and variability and its measurement. This course is especially for students expecting to make a business of seed production and improvement and for those wishing to enter Federal or experiment station work in plants. Prerequisites: FC 111, 211, 321, 330; Z 214; or equivalents. Three recitations. Associate Professor Bressman.

FC 421. Crop Efficiency. Third term, 5 hours.

The production, storage, and marketing of farm crops; comparison of methods leading to cheaper and more efficient production; crop adaptability and its relation to substitutes and competing markets; relation of preparatory methods to returns; cropping systems and crop rotations; crop specialization; amendments affecting yield, quality, and profits of special crops; crop storage and conditioning; warehousing problems; grade and standard fixation; marketing of farm crops; export and import regulations; crop statistics, their value and use; disposal of crop by-products; other problems affecting successful production. Prerequisites: FC 321, 414; Ch 221; or equivalents. Five lectures. Professor Hyslop.

GRADUATE COURSES

FC 501. Graduate Research. Terms and hours to be arranged.

Original research on some scientific problem.

FC 503. Graduate Thesis. Terms and hours to be arranged.

The preparation of a thesis based on reading and research.

FC 505. Special Crop Work. Terms and hours to be arranged.

Similar to FC 405. For graduate students.

FC 507. Seminar. Three terms, 1 hour each term.

Analyses of technical publications on farm crops and allied subjects. Especial attention is given to crop problems in production, breeding, standardization, economics, ecology, and related fields. One period. Professor Hyslop, Associate Professors Bressman and Hill.

Farm Management

FARM Management deals with the organization, equipment, and operation of the farm as a business enterprise; with the cost of production; and with the economics of agricultural land. Its aim is to correlate and synchronize the operations in the various phases of production on the farm in such a way as to result in a smoothly-running, efficient plant from which maximum returns may be obtained. The courses in Farm Management are designed to give the student a broad, well-rounded training in all the phases of agriculture that will prepare him for successful production, with emphasis laid upon those studies which will best fit him for successful management of the farm. They also prepare students for professional work as farm managers, county agriculturists, extension specialists, Smith-Hughes teachers, farm appraisers, agricultural statisticians, bank and railroad agriculturists, United States Department of Agriculture civil service candidates, college instructors, and experiment station research men.

Equipment. The Farm Management laboratory and seminar room is provided with drafting tables and instruments, surveying instruments, original data and record sheets, lantern slides and charts, and a periodical and bulletin reference library. Investigational work carried on in many different parts of the state affords the advanced student excellent opportunities for field work or thesis study.

DESCRIPTION OF COURSES

LOWER DIVISION COURSE

FM 211. Principles of Farm Management. Third term, 3 hours.

Major factors affecting the labor income; types of farming; selection and purchase of the farm; capital investment and distribution; use of credit; quality and diversity of business; farm leases and rental methods; man and horse labor efficiency; farm equipment costs and duty; farm and farmstead layout; cropping systems and crop rotations; cost of production; use of farm records and accounts; getting started in the farming business. Short field trips. Two lectures; 1 recitation; 1 two-hour laboratory period. Professor Scudder, Associate Professor Kuhlman.

UPPER DIVISION COURSES

FM 311. Farm Accounting. First or second term, 3 hours.

Drill in setting up and analyzing accounts for agricultural enterprises and for farms of different types with emphasis on clarifying the student's understanding of debits and credits. Preparation of different forms of summary statements of the year's business, adapted to reporting income tax, enterprise costs and profits, etc. For agricultural students only. One lecture; 1 recitation; 1 two-hour laboratory period. Associate Professor Kuhlman.

FM 312. Operation Efficiency. First term, 3 hours.

A continuation of FM 211 in which the minor factors in successful farm management are discussed, stress being laid on operation efficiency. Prerequisite: FM 211. Two lectures; 1 two-hour laboratory period. Associate Professor Kuhlman.

FM 403. Applied Farm Management. Any term, 2 to 5 hours.

Field work on individual problems such as preparation of detailed organization and management plans for specific farms; efficiency testing of groups of farms; field studies of costs and profits of specific farm enterprises; field study of specific farm practices and their efficiency; studies in equipment and building improvement; farm management factor studies, etc.; directed and reviewed through weekly round-table discussions. Prerequisite: FM 211. All laboratory and field work. Professor Scudder, Associate Professor Kuhlman.

FM 407. Farm Management Seminar. Second and third terms, 1 hour each term.

Senior and graduate students majoring in Farm Management meet together in seminar work, and juniors are required to attend open meetings as listeners. The class constitutes the students' technical association in farm management. Phases of problems of research character are presented by the senior and graduate students working under the supervision of the instructor. Discussion of investigational methods and results; inquiry into opportunity and requirements for professional and practical work in farm management; presentation of management methods by successful farmers in the state, etc. Each year a three-day field trip is taken to successful farms. Fortnightly meetings. Professor Scudder, Associate Professor Kuhlman.

FM 411. Farm Organization. Second term, 3 hours.

Application of farm management principles to the organization of the individual farm; methods of measuring the efficiency of any given farm; organizing a farm business; standards for farm planning; efficiency practices in production and operation; planning production programs, cropping systems, and fertility balances; labor programs; livestock, machinery, and building equipment; methods of increasing productive business; methods of financing, etc. Field trips. Prerequisite: FM 211. Two lectures; 1 three-hour laboratory period. Professor Scudder, Associate Professor Kuhlman.

FM 414. Enterprise Costs and Profits. Third term, 3 hours.

A survey of the whole field of farm enterprises, particularly those of the Northwest and Pacific Coast, to give the student a needed basis for the correct selection of enterprises in different regions. The importance of each enterprise; causes of failure; size, capital, labor and maintenance requirements; production possibilities and markets; costs, prices, and profits; analyses of new or questionable enterprises; field study of major enterprises. Prerequisite: FM 211. Two lectures; 1 three-hour laboratory period. Professor Scudder.

FM 415. Enterprise Costs and Profits. First term, 2 hours.

Continuation of FM 414. Two lectures. Professor Scudder.

FM 416. Agricultural Land Economics. Second term, 3 hours.

Applied economics of the subject presenting an inventory of our agricultural land resources; bases and procedure in agricultural land classification, utilization, and disposal; costs and problems of land reclamation; land settlement plans, procedure, and results; problems in land tenure and conservation; agricultural land values and appraisal methods. Prerequisite: FM 211. Three lectures. Professor Scudder.

FM 417. Agricultural Appraisal. Third term, 2 hours.

For senior and graduate students. Devoted to field work in appraisal of farms of different types; appraisal of agricultural land areas and projects such as logged-off lands, reclamation projects, etc.; appraisal of farm enterprises. Advanced commercial and Federal appraisal methods used and newer methods tested. Weekly field trips. Prerequisites: FM 211, 414, 416. Professor Scudder.

FM 418. Agricultural Cost Methodology. First term; 3 hours.

For senior and graduate students. Methods of obtaining and determining costs of agricultural products, including the survey method; assembling, tabulation, analysis, and interpretation of cost data; cost record forms for different types of farms and enterprises and for cost surveys. Prerequisites: FM 211, 414. Three lectures. Professor Scudder, Associate Professor Kuhlman.

GRADUATE COURSES

FM 501. Graduate Research. Terms and hours to be arranged.

Graduate research other than thesis work. Professor Scudder, Associate Professor Kuhlman.

FM 503. Graduate Thesis. Terms and hours to be arranged.

Under this head all graduate thesis work in farm management is registered. Thesis work may be selected from a wide variety of subjects, related, if desired, to the economic phases of certain agricultural commodities, or practices or types of farming in which the student is especially interested. Professor Scudder, Associate Professor Kuhlman.

FM 507. Seminar. Second and third terms, 1 hour each term.

Senior and graduate seminar in farm management. See FM 407. Professor Scudder, Associate Professor Kuhlman.

Horticulture

I NSTRUCTIONAL work in Horticulture includes General Horticulture, Pomology, Vegetable Crops, Floriculture, Landscape Horticulture, and Horticultural Products. In these courses the student is first thoroughly grounded in the fundamentals, and is then allowed to specialize as he desires.

The courses consist of lectures, reference reading, field exercises, and laboratory work. Much stress is placed upon the practical phases of all the work. In all courses horticultural truths are illustrated by practice, whenever possible. Students are given field and laboratory exercises in all such operations as planting, seeding, budding, grafting, cultivating, thinning, pruning, harvesting, and spraying.

Equipment. The Horticulture wing of Agriculture Hall, Horticultural Products Building, modern greenhouses, orchards and gardens, the large campus containing good plant material, and a very good library are at the service of the department. The laboratories are well equipped for giving instruction in spraying, plant propagation, fruit packing, vegetable grading and crating, and systematic pomology. There are large lecture rooms, drafting rooms, and a photography room.

The Horticultural Products Building is equipped with a 40-horse-power boiler for high-pressure steam. Ample provisions are made for hot and cold water and electric power. In the basement are located boiler and storage rooms, also juice room for the manufacture of fruit juices, carbonated beverages, and vinegars. This room is equipped with hydraulic press, centrifuge, multiple drum, silver-lined filter, carbonating equipment, and settling vats. On the first floor is located dehydrating equipment, such as three-tunnel Oregon drier with recirculation, and a steam heated experimental dehydrator of one-ton capacity. This is automatically controlled by compressed air. Preparation machines, such as power peelers, slicers, washers, etc., are located in this room. This floor contains vacuum pans with distilling apparatus for manufacture of fruit essences, jams and marmalades under vacuum and various food products of like nature. A large research laboratory for chemical investigation of by-products of the fruit industry is also located on the first floor. On the second floor are located office and lecture rooms. The new wing, occupied entirely by the canning laboratory, is equipped with two complete lines of canning machinery. Cooling facilities are provided for the proper handling of the canned products. The new wing is of steel-girded construction, the interior finished in white enamel, lighted by windows around three sides and saw-tooth skylights, and amply ventilated. This wing contains equipment for the manufacture of fruit butters, jams and jellies on a commercial scale, finishers, copper-jacketed kettle, and various machinery.

In addition to the orchards and gardens of the College, the region is well provided with orchards, canneries, etc., which can be used in the laboratory work.

The department of Horticulture is well equipped for research work. The laboratories, the greenhouses, the experimental plots, and an excellent research library of scientific books and periodicals, facilitate effective investigation in the field of horticulture.

NOTE: The courses in Horticulture comprise the following groups, under each of which the respective courses are listed in numerical order: General Horticulture (including graduate and research courses), Horticultural Products, Pomology, Vegetable Crops.

General Horticulture

DESCRIPTION OF COURSES

LOWER DIVISION COURSE

Hrt 111. Elements of Horticulture. Third term, 3 hours.

This course is designed as an introduction to the subject. Fruit growing from the farm and commercial standpoints; home vegetable growing and important truck crops; the fundamental phases of food preservation, including drying, cider and vinegar manufacture, etc. Four lectures; 2 two-hour laboratory periods. Professors Duruz, Bouquet, and Wiegand.

UPPER DIVISION COURSES

Hrt 311. Plant Propagation. Second term, 3 hours.

Different methods of propagating plants by seeds, cuttings, bulbs, tubers, budding and grafting. Students grow their own plants and keep records on them in greenhouse, nursery, and orchard. One lecture; 1 recitation; 2 two-hour practicums. Professor Duruz.

Hrt 312, 313, 314. Greenhouse Crops. Three terms, 3 hours each term.

Actual work in the greenhouse. Propagation; culture; soils; ventilation; watering; heating; as wide a range of experience as possible in growing of plants used in the florist trade. Prerequisite: Hrt 311. Nine periods laboratory work. Professor Brown.

Hrt 405. Special Problems in Horticulture. Terms and hours to be arranged.

Students who have demonstrated their ability to do independent investigational work may pursue approved problems under the supervision of staff members. Professors Brown, Duruz, Bouquet, and Wiegand.

Hrt 407. Seminar. Any term, 1 hour.

For senior and graduate students. Current literature, experiment station and federal publications are reviewed. Students prepare papers on assigned subjects.

Hrt 411. Methods of Research. Second term, 3 hours.

Conducted as a research round table, these courses give drill in making of briefs and outlines of research problems, methods of procedure in conducting investigative work, processes of reasoning, weighing of evidence, and the preparation of bulletins and reports. Problems in horticulture are used to illustrate underlying principles of research. Close study is made of research work presented in bulletins from other institutions. Seniors and graduate students. Three lectures.

GRADUATE COURSES

Hrt 501. Graduate Research. Terms and hours to be arranged.

Investigational work for graduate students in pomology, vegetable crops, horticultural products, plant breeding and plant physiology as related to horticulture. Horticulture staff.

Pomology

DESCRIPTION OF COURSES

UPPER DIVISION COURSES

Pom 312. History and Literature of Horticulture. Second term, 3 hours.

Brief study of the history of horticulture; systematic survey of the literature of horticulture, acquainting the student with the various sources of horticultural knowledge. One lecture; 2 recitations. Professor Duruz.

Pom 313. Commercial Pomology. First term, 4 hours.

The problems of handling fruit, including the picking, grading, and packing of fruits; study of the problems of transportation, distribution, and marketing, storage and storage plants. Three lectures; 1 recitation; 1 two-hour laboratory period. Prerequisites: Hrt 111; Ec 201, 202, 203. Professor Duruz.

Pom 321. Subtropical Pomology. First term, 3 hours.

This course takes up in a general way the history, growing, and handling of such subtropical fruits as the citrus fruits, vinifera grapes, figs, olives, dates, oriental persimmons, pomegranates, avocados papayas, jujubes, passion fruits and others. Offered in alternate years. Offered 1932-33. Prerequisite: Hrt 111. Two lectures; 1 recitation. Professor Duruz.

Pom 341. Small Fruits and Grapes. Second term, 3 hours.

Problems connected with the soils and slopes, pruning, training, harvesting, packing, and marketing of such small fruits as the strawberry, currant, gooseberry, raspberry, blackberry, loganberry, and cranberry; together with American and European grapes. Offered in alternate years. Not offered 1932-33. Two lectures; 1 recitation. Professor Duruz.

Pom 415. Fruit Production. Third term, 4 hours.

Principles and practices of fruit growing as related to climate, soil and water requirements, varieties, root stocks, planting systems, pollination, thinning, frost, pest control, and other practical problems. Prerequisites: Hrt 111; Bot 331 prerequisite or parallel. Three lectures; 1 recitation; 1 three-hour laboratory period. Professors Brown and Duruz.

Pom 417. Systematic Pomology. First term, 4 hours.

Descriptions, nomenclature and classifications of fruits and nuts. The student will study a sufficient number of varieties to become acquainted with the more important groups, species and varieties. One lecture; 1 recitation; 2 two-hour laboratory periods. Professor Duruz.

Pom 419. Spraying. Third term, 3 hours.

Principles underlying spraying practices, insect and disease control, sprays and their mixing, operation of spray pumps, gas engines, and electric motors; utilization of portable and stationary outfits,

operation of small sprayers and dusters, spray nozzles, guns, and rods, accessories; practice in orchard spraying. Prerequisites: Hrt 111, Bot 311, Ent 411. One recitation; 2 two-hour laboratory periods. Professors Duruz and Gilmore.

Pom 431. **Pruning.** Second term, 3 hours.

Thorough training in the fundamental principles underlying pruning, including bud studies, tree building, maintaining vigor of the tree, rejuvenation and the like. Prerequisites: Hrt 111, Bot 321. Two lectures; 1 three-hour laboratory period. Professor Brown.

Vegetable Crops

DESCRIPTION OF COURSES

UPPER DIVISION COURSES

VC 321. **Principles of Vegetable Production.** First term, 3 hours.

The principles and practices involved in growing vegetables, including such subjects as soils, fertilization, varieties, seeds, plant growing, distribution of crops, succession cropping, irrigation, pest control, planting and cultivating, etc. Prerequisite: Hrt 111. One lecture; 1 recitation; 1 two-hour laboratory period. Professor Bouquet.

VC 323. **Vegetable Growing Practices.** Third term, 3 hours.

Field and greenhouse work with lectures to acquaint the student thoroughly with proper growing and management methods in the production of vegetables for market. Offered in alternate years. Not offered in 1932-33. Prerequisite: Hrt 111. One lecture; 1 recitation; 1 two-hour laboratory period. Professor Bouquet.

VC 421. **Vegetable Forcing.** Second term, 2 hours.

Types and construction of commercial vegetable greenhouses, soils, cropping, soil sterilization, fertilization, irrigation, pest control, house management, etc., as well as methods of growing fall greenhouse crops. Open to juniors and seniors. Prerequisite: Hrt 111. One lecture or recitation; 1 two-hour laboratory period. Professor Bouquet.

VC 423. **Vegetable Varieties.** First term, 2 hours.

Descriptions, nomenclature, and classifications of vegetables; a sufficient number of varieties of each vegetable studied so that the student may become acquainted with the more important groups of horticultural varieties; exercises in displaying and judging vegetables; assigned readings. Prerequisite: Hrt 111. Two two-hour laboratory periods. Professor Bouquet.

VC 424, 425. **Vegetable Marketing.** First and second terms, 3 hours each term.

First term: principles of commercial practices of field harvesting, grading, and packing of vegetables; methods of marketing. Second term: car loading, mixed cars, transportation, and distribution of truck crops, such as onions, onion sets, cabbage, cauliflower, broccoli,

melons, tomatoes. Lectures, farm and market visits, field work in loading and observation of car loads; assigned readings. Prerequisite: Hrt 111. One lecture; 1 recitation; 1 two-hour laboratory period. Professor Bouquet.

Poultry Husbandry

POULTRY keeping as a specialized business has developed rapidly throughout the Northwest and especially in Western Oregon. Climatic conditions throughout the state are particularly adapted to successful breeding and raising of poultry.

With the development of the poultry industry in Oregon and throughout the country has come a demand for young men trained in the various lines of the industry. Besides the opportunities offered in the actual work of poultry farming there is an increasing demand for properly qualified men for positions as government and experiment station workers, as field men and poultry feed specialists with the larger feed companies, and for positions with packing houses and cooperative marketing associations.

Poultry courses and elective subjects are so arranged that the student may receive training that will fit him for any of the lines of work mentioned.

Equipment. The equipment includes two poultry plants, one of forty-five acres, the other a fifteen-acre tract. The instructional plant is operated on a strictly commercial basis, offering an opportunity to the student to learn at first hand practices, costs, and general management of a specialized poultry business. The three-story Poultry Building, 53 by 140 feet, has laboratories for incubation, judging, killing, egg candling, and carpentry, equipped with appliances necessary for practical poultry keeping. Twenty different makes of incubators, including three mammoth machines, are available for student practice in incubation. There are colony poultry houses, laying houses, and hatching and brood coops of various styles. Large flocks of Barred Plymouth Rocks and White Leghorns are available for study, and there are pens of several others of the more common breeds and varieties which are used for student study and judging practice. There are also sets of charts, lantern slides, motion pictures, and photographs, illustrating breeds of fowls, types of poultry houses and equipment.

DESCRIPTION OF COURSES

LOWER DIVISION COURSE

PH 211. Practical Poultry Keeping. Any term, 3 hours.

A brief course dealing with practical application of the principles of poultry husbandry to general poultry farm conditions. An introductory course for those intending to specialize in this field, recommended also for those who plan to teach agriculture or wish a single, elementary course in the fundamentals of poultry husbandry. Two lectures; 1 two-hour laboratory period. Professor Lunn, Associate Professor Fox.

UPPER DIVISION COURSES

PH 307. **Seminar.** Three terms, 1 hour each term.

Discussion of poultry literature and current problems of interest to the advanced student, including critical examination of research methods relating to poultry work. Frequent written reports are required. Professor Lunn.

PH 311. **Poultry Breeds and Breeding.** First term, 4 hours.

A study of breeds of poultry, their history and classification; principles and methods of breeding for different purposes. Prerequisite: PH 211. Two lectures; 2 two-hour laboratory periods. Associate Professor Fox.

PH 321. **Incubation and Brooding.** Third term, 4 hours.

A study of the principles and practices involved in natural and artificial incubation and brooding; study of the egg and its development; laboratory work in actual running of incubators and brooders; opportunity given when possible for students to work out some definite problem. Prerequisite: PH 211. Two recitations; 2 two-hour laboratory periods. Associate Professor Fox.

PH 331. **Poultry-house Design and Construction.** Second term, 4 hours.

A study of the principles of poultry-house designing; estimating the cost of building; studying building plans; practice in erecting, remodeling, and making appliances; excursions to neighboring farms. Prerequisite: PH 211. Two recitations; 2 two-hour laboratory periods. Associate Professor Fox.

PH 341. **Advanced Poultry Judging.** First term, 2 hours.

Practical judging of all kinds of poultry. Judging teams for inter-collegiate judging competitions are chosen largely from the members of this class. Prerequisite: PH 211. Two two-hour laboratory periods.

PH 351. **Turkey Management.** First term, 3 hours.

Practical details in the breeding, feeding, rearing, and marketing of turkeys. Prerequisite: PH 211. One recitation; 2 two-hour laboratory periods.

PH 403. **Thesis.** Terms and hours to be arranged.

The preparation of a thesis. For senior students. Prerequisite: consent of department head. Professor Lunn.

PH 407. **Seminar.** Three terms, 1 hour each term.

Senior seminar in poultry husbandry. See PH 307. Professor Lunn.

PH 411. **Poultry Feeding.** First term, 4 hours.

A study of feeds suitable for poultry; principles and practice of feeding breeding stock, feeding for egg production, and fattening for market; feeding young and growing chicks; feeding appliances; the compounding of rations; actual practice in feeding a flock of hens. Prerequisite: PH 211. Two recitations; 2 two-hour laboratory periods. Associate Professor Fox.

PH 421. Marketing Poultry Products. Second term, 4 hours.

Preparation of poultry and eggs for market; methods of storage and preservation; methods of marketing; laboratory work in killing, picking, grading, and shipping poultry; candling, grading, packing, and storing eggs. Prerequisite: PH 211. Two recitations; 2 two-hour laboratory periods. Associate Professor Fox.

PH 431. Poultry Plant Management. Third term, 4 hours.

Selection of the location, layout, and arrangement of buildings; study of records. Each student works out complete plans for the layout and management of a commercial poultry enterprise. Prerequisites: PH 321, 331, 411, 421. Two recitations; 2 two-hour laboratory periods. Associate Professor Fox.

GRADUATE COURSES**PH 501. Graduate Research.** Terms and hours to be arranged.

Students registering for graduate work in Poultry Husbandry may elect, with the approval of the head of the department, any branch of the subject upon which they desire to do their graduate work. With the great amount of data collected during the past twenty years the department affords special opportunity for research work, particularly along the lines of breeding for egg production. Professor Lunn.

PH 503. Thesis. Terms and hours to be arranged.

The preparation of a thesis for an advanced degree. Professor Lunn.

PH 507. Seminar. Three terms, 1 hour each term.

Poultry literature and current problems of interest to the advanced student, including critical examination of research methods. Frequent written reports. Professor Lunn.

Soils

COURSES in Soils include soil physics, soil drainage, irrigation farming, dry farming, soil fertility, soil surveying, soil biology, and soil management and utilization. The purpose of the courses in Soils is to give the student thorough training in fundamentals of agriculture, making him competent to manage a farm or preparing him for positions in State or Federal service. The wealth of Oregon rests in her soil and water resources, and their intelligent development, management, and preservation. With the further extension of reclamation, there will be a greater demand for men who have a knowledge of how most successfully and economically to use water which the engineer's canals and reservoirs provide. These men must know the best time, amount, and method of irrigation, and the effects of irrigation upon soils and crops. They should also know the relations between soils, soil waters, and drainage, and understand how to locate and construct drains and to treat or fertilize the soil so as to obtain the highest possible efficiency for each unit of tiling or fertilizer employed.

Equipment. The Soils laboratories are equipped with apparatus for complete study of physical and chemical properties of soils and problems of soil management. Ample desk room, supplied with running water, gas, compressed air, and electricity, is available. Electric centrifuges and shakers, electric bridge for alkali testing, electric air baths, analytic and torsion balances, microscopes, blast lamps, aspirators, percolators, capillary tubes, mulch cylinders, soil sieves, scales, solution balance, compression filters, soil sampling tubes, moisture equivalent centrifuge, furnace, hoods, soil solution displacement apparatus, hydrogen electrode, conductivity equipment, etc., form a part of the equipment for the work in Soils. Soil surveying and mapping outfits, soil survey charts of the United States, and a collection of samples of the chief soil types of Oregon and the United States are available. The soil preparation room is equipped with soil-grinding and sifting machinery, and space for drying, preparation, and storage of large quantities of the different soil types used in the laboratories. For field work in drainage and irrigation, surveying instruments, tiles, and ditching tools, weirs, flumes, hook gauges, water-stage register, electric pumping plant, etc. are available. Weather-recording instruments of different kinds supply equipment for the course in Climatology. Laboratories and greenhouses afford opportunities for studies of the movement and retention of irrigation water in soil, the effects of irrigation upon soils and crops, the effect of tile drainage upon soils of different types, their rate of drainage, etc. On the College farm the students build weirs, measure water, lay out distribution systems, make cement pipes for laterals, and test pumping machinery. On the drainage plots, the rate of discharge is measured and the effects of drains and soil conditions on water-table are studied. The Exhibit Room is equipped with cases and racks for display of soil sample collections, subsoils, hard-pans, soil analyses, soil colors, soil drainage and irrigation exhibits, etc. A well-stocked reference library is available. The Experiment Station farms at Corvallis and in other parts of the state, together with the cooperative trials in different counties, afford opportunity for field study of soil problems.

Research. The department of Soils is well equipped for offering research work. The experiment fields, soil tanks, laboratories, and library, and the plans and methods used in soil, irrigation, and drainage investigations afford valuable opportunities to graduate students.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

Sls 211, 212. **Soils.** First and second terms, 3 hours each term.

Origin, formation, and classification of soils; study of the physical properties of soil moisture, heat, and air; effects of tillage, drainage, and irrigation; plant foods and soil fertility; fertilizers; crop rotations; manures; acid and alkali soils. Prerequisites: Ch 201, 202, 203. Two lectures; 1 recitation; 1 three-hour laboratory period. Professor Ruzck, Assistant Professor Torgerson.

Sls 213. **Soil Drainage and Irrigation.** Third term, 3 hours.

Soil mapping, reclamation, and use; use of chain, level, and soil auger as applied to design; installation of tile drains or irrigation sys-

tems; their effect upon soils and crops; costs and benefits. Two lectures; 1 three-hour laboratory period. Professor Powers, Associate Professor Stephenson.

SIs 214. Forest Soils. Third term, 3 hours.

Origin, development, characteristics and classification of forest soils; relation to vegetation, moisture reaction and fertility; forest nursery soil management, use and conservation. Two lectures, 1 three-hour laboratory period. Associate Professor Stephenson.

SIs 215. Soil Improvement. Third term, 2 hours.

Soil fertility gains and losses, maintenance and improvement; effect of manures, fertilizers, and crop rotations on soil productivity. Required of students in Landscape Architecture. Two lectures. Associate Professor Stephenson.

UPPER DIVISION COURSES

SIs 311. Irrigation Farming. First term, 3 hours.

Methods of obtaining, distributing, and conserving irrigation waters; handling of different crops under irrigation; costs and profits; duty of water in various districts of Oregon; water rights, field and laboratory studies of irrigation qualities of different soils; laying out of irrigation systems. Two lectures; 1 three-hour laboratory period. Professor Powers.

SIs 312. Irrigation Farming Elective. First term, 2 hours.

Special course for Irrigation Engineering students or other students who cannot take the laboratory course in Irrigation Farming. Two recitations. Professor Powers.

SIs 314. Western Land and Water Laws. Second term, 3 hours.

A brief history of the development of water laws. Homestead laws, water rights, and irrigation codes in the different states, particularly in the Northwest and Oregon; appropriation, adjudication, and administration of water; reclamation and other Government and State land acts affecting reclamation development; organization and administration of irrigation districts and projects; water users' associations, etc.; discussion of public questions relating to reclamation. Offered alternate years. Offered 1932-33. Three recitations. Professor Powers.

SIs 317. Dry Farming. Second term, 2 hours.

Advanced study of the subject of moisture conservation, special tillage methods and machinery, soil and climatic conditions, in dry-farming regions, with particular reference to Oregon and northwestern states. Offered alternate years. Not offered 1932-33. Prerequisite: SIs 211 or 212. Two recitations. Professor Powers.

SIs 318. Land Drainage. Third term, 3 hours.

Field study of roads, oil, and sanitary drainage; actual surveying, laying out, drafting of plans, estimation of cost, and installation of drainage systems; preparation of a complete report on the organization of a drainage district. Prerequisite: SIs 211. One recitation; 2 three-hour laboratory periods (week-end). Professor Powers.

Sls 319. Climatology. Third term, 2 hours.

Practical meteorology; observing and recording local weather and forecasting; a study of the climate of Oregon and the effect of climate upon agriculture. One recitation; 1 two-hour laboratory period. Assistant Professor Torgerson.

Sls 321. Soil Physics. First term, 5 hours.

Origin, formation, physical composition, and classification of soils; soil moisture, surface tension, osmosis, capillarity, diffusion, aeration, temperature, and the resulting alteration in crop-producing power; influence of washing, drainage, and irrigation upon soils; laboratory determination and comparison of physical properties of various soil types; physical effect of mulches, rotations, and cropping; soil sampling and judging; mechanical analysis of soils. Prerequisites: Sls 212, 213. Three recitations; 2 three-hour laboratory periods.

Sls 322. Soil Physics. First term, 3 hours.

Similar to Sls 321, but without laboratory work, for Agriculture students unable to take the regular course in Soil Physics and for students in Irrigation Engineering. Three recitations. Associate Professor Stephenson.

Sls 327. Soil Survey. Third term, 3 hours.

For the advanced student who desires preparation for service at state experiment stations or in the Government Bureau of Soils. Study of the classification of soils and soil areas of the United States, of Oregon, and of the Northwest; much work in making regular and completed soil surveys of assigned areas, including field trips of inspection, with a report thereon. Prerequisite: Sls 321 or 424. One recitation; 2 three-hour laboratory periods. Assistant Professor Torgerson.

Sls 401. Soil, Drainage or Irrigation Work. Three terms, 3 hours each term.

The advanced student may study the various soil types of Oregon through mechanical analysis, and other physical tests; may undertake field work in soil surveying and mapping; or, through wire-basket pot-culture and field-plot tests, may determine the effects of various systems of cropping or fertilizing, or of soil bacteria, upon soil fertility. Prerequisites: Sls 321, 424. Professors Powers and Ruzek.

Sls 407. Seminar. Three terms; 1 hour each term.

Semi-weekly meetings, alternating with those of the Soils Improvement Club, at which papers on soils subjects are read and discussed. Papers are prepared under supervision of the department. Professors Powers and Ruzek, Associate Professor Stephenson.

Sls 414. Irrigation. First term, 3 hours.

Irrigation literature and methods of irrigation investigation; field and laboratory studies of irrigation experiments; calculation of depth of water applied and of the most economical production thereby obtained; costs and profits connected with irrigation; analysis of data and preparation of a thesis. Field examinations are made, where possible, of some of the largest projects in the state. Professor Powers.

Sls 424. **Soil Fertility.** Second term, 5 hours.

Advanced work in composition and values of fertilizers and barnyard and green manures; maintenance and improvement of fertility; effect of the various crops and different systems of farming upon the fertility of the soil; crop rotations and fertility in different sections of the state and the United States; field-plot and pot-culture investigations. Prerequisite: Sls 321. Three recitations; 2 three-hour laboratory periods. Professor Ruzek.

Sls 425. **Soil Fertility Lectures.** Second term, 3 hours.

Same as Sls 424, except no laboratory work. Three recitations. Professor Ruzek.

Sls 428. **Soil Management.** Third term, 5 hours.

Occurrence, composition, characteristics, productivity, plant-food requirements, comparative values, and management of different soil types. Prerequisite: Sls 424. Two recitations; 3 three-hour laboratory periods. Professor Powers.

GRADUATE COURSES

Sls 501. **Graduate Study and Research.** Terms and hours to be arranged.

Special laboratory investigation and library study of graduate character. Professors Powers and Ruzek, Associate Professor Stephenson.

Sls 503. **Graduate Thesis.** Terms and hours to be arranged.

Courses for graduate students either as major or minor. Students may select problems in soil physics, analysis, surveying, fertility, irrigation, drainage, soil management, dry-farming, or related subjects. The work of the three terms is limited to a total of 12 credits. Professors Powers and Ruzek, Associate Professor Stephenson.

Sls 507. **Graduate Seminar.** Three terms, 1 hour each term.

A thorough, critical study of advanced research in soils and reclamation, and their relation to plant nutrition. Prerequisite: graduate standing in soils or related courses. One two-hour recitation period. Professors Powers and Ruzek, Associate Professor Stephenson.

Sls 511. **Pedology.** First term, 2 hours.

Advanced soil classification and management. Critical study of soil-forming processes; evolution of soil profiles; principles of soil classification and utilization. Problems of land classification; distribution of soils of the United States in relation to vegetation and crops, geology, physiology, and climate. Limited to advanced and graduate students. Offered in alternate years. Offered 1933-34. Two recitations. Professor Powers.

Sls 512. **Soil Colloids.** Second term, 2 hours.

Study of the physical chemistry of soils with special reference to the nature and function of soil colloids, soil acidity, absorption, and base exchange. Limited to advanced and graduate students. Offered in alternate years. Not offered 1933-34. Two recitations. Associate Professor Stephenson.

Slis 513. **Plant Nutrition.** Third term, 2 hours.

Advanced study of soil, water, and plant relationships and external factors that are controllable by agricultural practices. The character of the soil solution in relation to the nutrient requirements of plants. Limited to advanced and graduate students. Two recitations. Professor Powers.

Veterinary Medicine

THE object of the courses in Veterinary Medicine is to help fit the student for the successful handling of livestock. Anatomy and physiology of domestic animals familiarize the student with the normal structures and functions of the animal body, thus laying a foundation for courses in judging, breeding, feeds and feeding, nutrition, and diseases of animals.

The work in diseases is taken up from the standpoint of the livestock owner. The students learn to recognize diseases, to care for sick animals, and to prevent disease through proper methods of sanitation and management. The importance of quarantine, the different methods of control and eradication of disease, and the role of the stock owners in maintaining this work are considered.

Equipment. This department has its offices, physiological laboratory, and lecture room in the Poultry Building. Dissections, autopsies, and clinics are conducted in a suitably equipped Veterinary Clinic Building.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

VM 211. Anatomy of Domestic Animals. First or second term, 3 hours.

A laboratory course in the anatomy of domesticated animals. Special attention is given to the digestive systems of the horse and the cow; to the foot, the teeth, and the muscles of locomotion of the horse. The work includes complete dissection of the digestive, urinary, genital, and respiratory systems, and partial dissection of the circulatory, muscular, and nervous systems. Prerequisite: Z 130 or equivalent. Three two-hour laboratory periods. Assistant Professor Shaw and Dr. Muth.

VM 221. Physiology of Domestic Animals. Third term, 3 hours.

Continuation of VM 301. Prerequisite: VM 211. Two lectures; 2 two-hour laboratory periods. Professor Simms, Assistant Professor Shaw and Dr. Muth.

UPPER DIVISION COURSES

VM 311. Anatomy of the Fowl. Second term, 3 hours.

A study of the structure of the body of the fowl. Two lectures; 2 two-hour laboratory periods. Professor Johnson.

VM 321. Physiology of Domestic Animals. First term, 3 hours.

Study of the functions of the body; the physiological processes of all domestic animals, with emphasis on the horse and the cow. Prerequisites: VM 221, Ch 221 or their equivalent. Three lectures; 1 two-hour laboratory period. Professor Simms, Assistant Professor Shaw and Dr. Muth.

VM 341. Diseases of Livestock. First term, 4 hours.

A one-term course for students specializing in the Plant Group. The more common diseases, with methods of prevention and control, are considered. Two lectures; 2 recitations. Assistant Professor Shaw.

VM 351. Diseases of Poultry. Third term, 3 hours.

The parasitic, infectious, and non-infectious diseases of poultry; emphasis upon methods of prevention and control of the parasitic and infectious diseases; observations of autopsies, method of diagnosis, and treatment of fowls. Three recitations; 1 two-hour laboratory period. Professor Johnson.

VM 441, 442, 443. Diseases of Livestock. Three terms, 3 hours each term.

The parasitic, infectious, and non-infectious diseases of domesticated animals. Prerequisites: VM 221, 321, or equivalent. Two recitations; 1 two-hour laboratory period. Professor Simms, Assistant Professor Shaw.

GRADUATE COURSES**VM 501. Graduate Research.** Terms and hours to be arranged.

Problems in animal diseases. Professors Simms and Johnson.

VM 503. Graduate Thesis. Terms and hours to be arranged.

Problems in animal diseases. Professors Simms and Johnson.

School of Business Administration

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

*ARNOLD BENNETT HALL, J.D., LL.D., President of the University.

HARRISON VAL HOYT, Ph.D., Dean and Director of Business Administration.

JOHN ANDREW BEXELL, LL.D., Dean Emeritus of the School of Commerce.

EARL MANLEY PALLETT, Ph.D., Executive Secretary and Registrar of the University.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

ERWIN BERTRAN LEMON, B.S., Registrar of the State College.

EDWARD LOUIS KREMERS, B.S., Secretary of the School of Business Administration, Eugene.

LEILA HAY, Secretary of the School of Business Administration, Corvallis.

At Eugene

WILLIAM FRANKLIN GOODWIN THACHER, A.M., Professor of Advertising.

NEWEL HOWLAND COMISH, Ph.D., Professor of Business Administration.

ALFRED LEWIS LOMAX, M.A., Professor of Business Administration.

JESSE HICKMAN BOND, Ph.D., Professor of Business Administration.

CARDINAL LYLE KELLY, M.A., C.P.A., Professor of Business Administration.

EDWARD BECKER MITTELMAN, Ph.D., Associate Professor of Business Administration.

LEE CLEVELAND BALL, M.B.A., Associate Professor of Accounting and Commercial Education.

JOHN MARSHALL RAE, M.B.A., Associate Professor of Business Administration.

*DANIEL DUDLEY GAGE, JR., M.B.A., Associate Professor of Business Administration.

ORIN KAY BURRELL, M.A., C.P.A., Associate Professor of Business Administration.

ARTHUR BENJAMIN STILLMAN, A.B., Assistant Professor of Business Administration.

WILBUR POWELSON RIDDLESBARGER, A.M., Assistant Professor of Business Administration.

*CLAUSIN DENNIS HADLEY, M.B.A., Assistant Professor of Business Administration.

RAYMOND WILBERT BRESHEARS, M.B.A., Instructor in Business Administration.

*On leave of absence.

At Corvallis

HERBERT TOWNSEND VANCE, M.S., Professor of Business Administration; Professor of Secretarial Training.

ERNEST EVERTON BOSWORTH, A.B., C.P.A., Professor of Accounting.

*FRANK LESLIE ROBINSON, M.Acct., Associate Professor of Accounting.

JEROME LLOYD LEMASTER, M.A., Associate Professor of Business Administration.

BERTHA WHILLOCK STUTZ, M.S., Associate Professor of Secretarial Training.

JAMES HAROLD IRVINE, M.B.A., Assistant Professor of Accounting.

MINNIE DEMOTTE FRICK, B.S., Assistant Professor of Secretarial Training.

CURTIS KELLEY, M.B.A., Assistant Professor of Business Administration.

LILLY NORDGREN EDWARDS, M.A., Instructor in Secretarial Training.

BY the action of the State Board of Higher Education in March, 1932, the School of Business Administration on the Eugene campus and the School of Commerce on the Corvallis campus were consolidated into the School of Business Administration, the major work being centered at Eugene, the work at Corvallis being limited to lower division and service courses. Under the Board's ruling all work in the Oregon State System of Higher Education in the field of business training was placed under the direction of the Dean of the School of Business Administration. Lower division work in this field is offered on substantially the same basis on both the Eugene and the Corvallis campuses.

By special provision arrangements have been made whereby Commerce students on the Corvallis campus who are members of the Class of 1933 may complete their work and receive their degrees at Corvallis at the 1933 Commencement.

The School of Business Administration is organized into three divisions: (1) unified lower division work for freshmen and sophomores at both Eugene and Corvallis, (2) upper division work in business administration at Eugene, and (3) graduate work in business administration and commerce at Eugene. In addition, secretarial training is given at Corvallis only under the control of the Dean of the School of Business Administration at Eugene.

Sound training in business administration necessitates a broad knowledge of economics, law and liberal arts, and technical business procedure. Through careful correlation between the allied courses in economics, law, liberal arts and business administration, the School bases its training in business technique on a broad foundation of this character. In addition to such correlation, a series of management studies is offered each year which covers every phase of management, so that at the conclusion of his course each major student has studied the aspects of business management.

Opportunity is offered for specialization in some one field during the junior, senior, and graduate years. The various curricula are so arranged

*On leave of absence.

that a student may advance in a subject as a whole, such as accounting or banking, or he may specialize within a given field—for example, he may study to become a certified public accountant or the manager of a bank. In other words, the School is meeting the individual needs of each student.

Admission. The School of Business Administration admits students at either Eugene or Corvallis upon fulfillment of the requirements for admission to first-year or freshman standing.

Fields of Training. The fields available for specialization in the School of Business Administration include the vast majority of managerial positions in the business world. For instance, in the field of finance there are a variety of individual positions such as bond department manager, financial manager, bank manager, broker, bond buyer, bond and stock trader, financial sales manager, credit manager, etc. As stated above, the work of the School is so arranged as to give individual attention to the problems of each major student.

The curricula on pages 294-299 are merely suggestive of the kinds of work which the School offers.

Bureau of Business Research. In the carrying out of its functions of training for business management the School of Business Administration maintains a Bureau of Business Research to study the problems of business enterprise peculiar to the state and to the Northwest. The work of the Bureau is carried on by the entire teaching staff of the School, augmented by research assistants. The studies made are undertaken either at the request of business men of the state or on the suggestion of some member of the teaching organization. Junior and senior students maintain a close contact with the work of the Bureau and through it are constantly informed of current business problems and their solutions. All graduate students and many seniors assist in the study and solution of these problems. It is an invaluable experience.

Foreign Trade Advisory Board. The functions of the Foreign Trade Advisory Board are to counsel with the University in working out matters of curriculum and the subject-matter of particular foreign trade courses; to advise in formulating and carrying out the University's research program; to consult on such questions touching the University's foreign trade work as the School of Business Administration may from time to time have occasion to lay before it; and to act on its own volition in making suggestions. The members of the Board are the following:

L. W. HARTMAN, Vice-president, J. T. Steeb & Co., Portland.
W. W. CLARK, President, the Clark and Wilson Lumber Co., Portland.
E. A. VALENTINE, Resident Agent, Fireman's Fund Insurance Co., Portland.
H. E. SANFORD, Manager, Farmers' National Grain Corporation, Portland.
GEORGE POWELL, President, Powell-Pacific Co., Portland.
ARTHUR J. FARMER, Secretary, Maritime Commerce Dept., Portland Chamber of Commerce, Portland.

Laboratories and Library. The School of Business Administration maintains a complete reference library in the Commerce Building, at Eugene. Adjacent to the library are well equipped study rooms. The laboratories of the School are well furnished with various types of calculating machines. This equipment is of material aid to the student as it effects a great saving of student time.

The work of the School of Business Administration on the Corvallis campus is centered in Commerce Hall, in which are located classrooms and laboratories for instruction in business subjects, including special equipment for work in secretarial training.

Degrees. Four degrees are open to students majoring in business administration; B.B.A., B.A., and B.S., granted on completion of undergraduate work; M.B.A. granted for graduate work. For any bachelor's degree from the School of Business Administration the following subjects are required: Constructive Accounting (BA 111, 112, 113); Elements of Organization and Production (BA 221); Elements of Finance (BA 222); Elements of Marketing (BA 223).

Bachelor of Business Administration. Students must meet all general institutional requirements and in addition complete at least 45 hours in business administration. Besides the required subjects listed above, the following must be taken: one year of Principles of Economics; Business English; one year of Business Law; and the Professional Management series, including Finance Management, Production Management or Personnel Management, and Sales Management.

Bachelor of Arts. Students must meet all the requirements for the B.A. degree as given on pages 29-30, including 45 hours in business administration. Besides the required subjects listed above, students must take 24 additional hours of any upper division work in business administration, one year of Principles of Economics, one term of Business English, and two years of one foreign language.

Bachelor of Science. Students must meet all requirements for the B.S. degree as given on pages 29-30, including 45 hours in business administration. Besides the required subjects listed above, students must take 25 additional hours of any upper division work in business administration, one year of Principles of Economics, one term of Business English, and 36 hours of either social science or science and mathematics.

Master of Business Administration. Holders of a bachelor's degree from a standard college or university are admitted to the graduate division of the School of Business Administration. Members of the graduate division who have previously completed at least 45 term-hours of undergraduate work in business administration and economics are normally able to earn the 45 hours necessary for the master's degree in one year. Members who have not completed the equivalent of 45 term-hours of undergraduate work in business administration and economics will have to complete that amount of undergraduate work before proceeding upon the 45 hours required for the master's degree. Of the 45 required hours, 15 may be selected in a minor from some approved allied field.

Candidates for the M.B.A. degree must present a satisfactory thesis in the field of business administration and must complete all of the requirements for the degree within five years. Not all graduate students wish to proceed to the degree. Frequently students whose undergraduate training has not included work in commerce wish to spend a fifth year largely devoted to business training. Such students will elect courses which best fit their individual needs without regard for degree requirements, unless wishing to secure a second bachelor's degree.

Occasionally graduate students are interested only in carrying on some specialized type of work, such as training for the C.P.A. examination, and do not care to become candidates for a degree. When students can demonstrate their earnestness and ability to do this, every effort is made to provide the type of training desired.

Commercial Education. The department of Commercial Education has been organized to meet the steadily growing demand for well-prepared teachers of commercial branches in secondary schools. Such teachers are prepared in cooperation with the School of Business Administration. The curriculum in the School of Business Administration leading to the degree of Bachelor of Science makes possible satisfactory preparation for commercial teaching, subject-matter courses in typing and stenography being offered at Corvallis and in accounting and business organization at Eugene. In the selection of their collegiate courses in both business and education, students should advise with the head of the department of Education. Teachers of commercial science are thus prepared in a way that will place them and their work on a parity with those of other longer established and more fully developed departments of the high school.

This department is a joint department within both the School of Business Administration and the School of Education.

The 23 credits in Education required for a certificate to teach in accredited high schools must be earned during the junior and senior years.

Curricula in Business Administration

B.B.A., B.A., B.S., M.B.A. Degrees

*Accounting
Advertising
Finance
Foreign Trade*

*General Business
Industrial Management and
Personnel Management
Combination Curricula*

SUGGESTED LOWER DIVISION CURRICULA

GENERAL BUSINESS: UNIFORM AT BOTH EUGENE AND CORVALLIS

Electives must be so chosen as to satisfy the general lower division group requirements for professional school curricula; that is, during the first two years students must take a year's work in two of the four following groups: Biological Science; Humanities; Physical Science; Social Science.

	Freshman Year		
	Term hours		
	1st	2d	3d
Constructive Accounting (BA 111, 112, 113).....	3	3	3
English Composition (Eng 111, 112, 113).....	2-3	2-3	2-3
Unified Mathematics	4	4	4
Electives (Home Economics; Survey of Physical Science; Elementary Biology; Literature; Survey of the Creative Arts; Foreign Language; Introductory Course in Speech; History and Appreciation of Music; or Elementary Journalism).....	5	5	5
Military Science (men) or Personal Hygiene (women).....	1	1	1
Elementary Physical Education.....	1	1	1
	16-17	16-17	16-17

	Term hours		
	1st	2d	3d
Sophomore Year			
Intermediate Accounting (BA 211, 212, 213).....	3	3	3
Elements of Organization and Production (BA 221), Elements of Finance (BA 222), Elements of Marketing (BA 223).....	3	3	3
Literature.....	3	3	3
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Electives (Beginner's Psychology; Geography; History; Introduction to Philosophy (Phi 201, 202, 203); Extempore Speaking; Shakespeare; Foreign Language; Modern Governments; Sociology; or Business Law at Corvallis).....	3	3	3
Military Science (men).....	1	1	1
Advanced Physical Education.....	1	1	1
	17	17	17

ADVERTISING

The courses in advertising and selling offered by the School of Business Administration are designed to give the student a complete knowledge of the whole field of selling operations, so that he may choose that phase of the work which seems to offer the greatest adaptability to his individual needs. Students interested in advertising should consult with Professor Thacher early in the freshman year.

	Term hours		
	1st	2d	3d
Freshman Year			
Constructive Accounting (BA 111, 112, 113).....	3	3	3
English Composition.....	2	2	2
Unified Mathematics.....	4	4	4
Electives (Recommended: English, Language, or Philosophy).....	5	5	5
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
	16	16	16

Sophomore Year

Elements of Organization and Production (BA 221); Elements of Finance (BA 222); Elements of Marketing (BA 223).....	3	3	3
Publishing and Printing.....	3	3	3
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Elementary Journalism (J 111, 112, 113).....	2	2	2
Beginners' Psychology.....	3	3	3
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
	16	16	16

SECRETARIAL TRAINING: OFFERED AT CORVALLIS ONLY

In some instances electives may be so chosen as to fill the general lower division group requirements and at the same time satisfy prerequisites for basic work in major schools in which a student may elect his upper division major work—such schools, for example, as Home Economics at Corvallis, Business Administration at Eugene, and Education at both Corvallis and Eugene. Part of the suggested Business Administration work indicated below for the Sophomore year (Secretarial Training excluded) may be replaced by courses which will satisfy prerequisites for basic work in some major school.

	Term hours		
	1st	2d	3d
Freshman Year			
Stenography (ST 111, 112, 113).....	3	3	3
Typing (ST 121, 122, 123).....	2	2	2
English Composition (Eng 111, 112, 113).....	3	3	3
Constructive Accounting (BA 111, 112, 113).....	3	3	3
Year-sequence applicable in satisfying Lower Division group requirements in either Biological or Physical Science group.....	3	3	3
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
	16	16	16

	Term hours		
	1st	2d	3d
Sophomore Year			
Applied Stenography (ST 211, 212, 213).....	3-5	3-5	3-5
Office Procedure (ST 221, 222), Office Organization and Management (ST 223).....	5	5	5
Elements of Organization and Production (BA 221); Elements of Finance (BA 222), Elements of Marketing (BA 223).....	3	3	3
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Intermediate Accounting (BA 211, 212, 213).....	3	3	3
Physical Education.....	1	1	1
	18	18	18

SUGGESTED UPPER DIVISION MAJOR CURRICULA AT EUGENE

The Lower Division group requirements should be considered as minimum requirements only. Majors in business administration should endeavor to get additional non-business subjects during the junior and senior years so as to have a better background in such subjects as English and English composition, history, biological science, and physical science.

The following curricula are but indicative of courses that may be arranged in other fields, such as retail store management, training toward the positions of buyer and merchandise manager in a department store; sales management, which includes not only the successful handling of a sales force but training in salesmanship as well; and traffic management, including training for positions with railroad, ocean, highway, and air transportation companies; and for manufacturing and business houses of such size that they have found it highly desirable to establish their own traffic departments to facilitate the easy movement of their products.

ACCOUNTING

The School of Business Administration offers two thorough courses in accounting; 1—For those who are interested in securing positions in accounting departments of business firms, banks or manufacturing establishments, a four-year managerial course is open. 2—For those who wish to prepare for public accountancy, a five-year course is available. The latter work, in addition to covering all the ground found in the four-year course, particularly stresses problems which confront the certified public accountant.

	Term hours		
	1st	2d	3d
Junior Year			
Cost Accounting.....	4	3	3
Production Management (BA 415).....	4	.....	.....
Finance Management (BA 413).....	.....	5	.....
Sales Management (BA 414).....	.....	.....	4
Business English (Eng 217).....	3	.....	.....
Business Law (BA 416, 417, 418).....	4	4	4
Accounting Theory and Practice (BA 483, 484, 485).....	3	3	3
Electives—Elementary and Advanced Statistics; International Trade (Ec 340); Labor Problems (Ec 405); Personnel Management (BA 412).....	3	2	3
	17	17	17
Senior Year			
Advanced Accounting Theory and Auditing (BA 490, 491, 492).....	3	3	3
Auditing (BA 447, 448).....	.....	3	3
Money, Banking and Crises (Ec 413).....	5	.....	.....
Income Tax Procedure (BA 493).....	3	.....	.....
Merchandising (BA 478).....	.....	.....	4
Electives—International Finance (BA 474); Economic History (Ec 474); Public Finance (Ec 418, 419); Insurance; Credit Management (BA 479); English Literature.....	4	9	5
	15	15	15
Graduate Year			
C. P. A. Problems (BA 520, 521, 522).....	5	5	5
Accounting Systems (BA 523, 524, 525).....	3	3	3
Graduate Seminar (BA 507).....	2	2	2
Minor Field.....	5	5	5
	15	15	15

ADVERTISING

	Term hours		
	1st	2d	3d
Junior Year			
General Advertising (BA 439, 440).....	3	3	.....
Business English (Eng 217).....	3	.....	.....
Space Selling (BA 443).....	.....	.....	3
Publicity.....	2	2	2
Merchandising (BA 478).....	.....	.....	4
Sales Management (BA 414).....	.....	4	.....
Elementary and Advanced Statistics.....	3	3	3
Electives—Reporting; Statistics; Decorative Design; Economic Geography; History.....	6	4	4
	17	16	16
Senior Year			
Advertising Problems (BA 444, 445, 446).....	2	2	2
Business Law (BA 416, 417, 418).....	4	4	4
Finance Management (BA 413).....	5	.....	.....
Production Management (BA 415).....	.....	.....	4
Electives—Editing; Business Policies; Selected Courses in English or American Literature; Sociology or Advanced Economics.....	5	10	6
	16	16	16

FINANCE

Junior Year			
Production Management (BA 415).....	.....	.....	4
Finance Management (BA 413).....	5	.....	.....
Sales Management (BA 414).....	.....	4	.....
Business English (Eng 217).....	3	.....	.....
Elementary and Advanced Statistics.....	3	3	3
Public Finance (Ec 418, 419).....	.....	4	4
Money, Banking, and Economic Crises (Ec 413).....	5	.....	.....
Electives—Insurance; Advanced Statistics; Real Estate (BA 468); Office Organization and Management (BA 432); Economic History (Ec 474); Railway Economics (Ec 435); Economics of Public Utilities (Ec 452); Advanced Foreign Language.....	.....	5	6
	16	16	17
Senior Year			
Business Law (BA 416, 417, 418).....	4	4	4
Investments (BA 463, 464).....	3	3	.....
Investment Analysis (BA 466).....	.....	.....	3
Merchandising (BA 478).....	.....	4	.....
Electives—Accounting Theory and Practice (BA 483, 484, 485); Credit Management (BA 479); Personnel Management (BA 412); International Finance (BA 474); Business Policies (BA 453); Income Tax Procedure (BA 493); Introduction to Philosophy (Phil 201, 202, 203); History of Economic Thought (Ec 470); English Literature.....	9	5	9
	16	16	16

FOREIGN TRADE

The courses in foreign trade and related subjects offered by the School of Business Administration are designed to enable the student to take an active and intelligent part in building up the trade of the Pacific states, particularly the Northwest, with countries of the Pacific basin and other trade territories of the world. The fields of preparation include training for work in exporting and importing houses, marine insurance firms, and banks, ocean transportation companies, and governmental services as worked out in consultation with the Foreign Trade Advisory Board.

	Term hours		
	1st	2d	3d
Junior Year			
Personnel Management (BA 412) or Production Management (BA 415).....	4	.....	.....
Finance Management (BA 413).....	.....	5	.....
Sales Management (BA 414).....	.....	.....	4
Business English (Eng 217).....	3	.....	.....
Foreign Trade Technique (BA 471, 472, 473).....	3	3	3
American Foreign Relations (Hst 473, 474).....	3	3	.....
Electives—History of China and Japan; Railway Economics (Ec 435); Water Transportation (Ec 436); Geography of South America (Geo 430).....	3	6	9
	16	17	16

	Senior Year		
	Term hours—		
	1st	2d	3d
Business Law (BA 416, 417, 418).....	4	4	4
Foreign Trade Marketing (BA 475, 476, 477).....	3	3	3
International Trade (Ec 340).....	4	4	4
International Economic Policies (Ec 341).....	3	3	3
Elementary and Advanced Statistics.....	3	3	3
Electives—International Trade Policies of the Pacific Area (Ec 446, 447); International Organization and World Politics (PS 407, 408, 409); International Law (PS 403).....	3	3	7
	17	17	17

GENERAL BUSINESS

Junior Year			
Production Management (BA 415).....	5	---	4
Finance Management (BA 413).....	5	---	4
Sales Management (BA 414).....	3	---	4
Business English (Eng 217).....	3	---	3
Elementary and Advanced Statistics.....	3	3	3
Business Law (BA 416, 417, 418).....	4	4	4
Cost Accounting.....	---	3	3
*Electives—Insurance; Real Estate (BA 468); Office Organization and Management (BA 432); Economic History (Ec 474); Railway Eco- nomics (Ec 435); Economics of Public Utilities (Ec 452); English; English Composition; History; Biological Science; Physical Sci- ence.....	2	6	---
	17	16	18

Senior Year			
General Advertising (BA 439, 440).....	3	3	---
Investments (BA 463, 464).....	3	3	---
Personnel Management (BA 412).....	4	---	---
Merchandising (BA 478).....	---	---	4
*Electives—Credit Management (BA 479); International Finance (BA 474); Income Tax Procedure (BA 493); Introduction to Philosophy (Phl 201, 202, 203); History of Economic Thought (Ec 470); Eng- lish; English Composition; History; Biological Science; Physical Science.....	6	10	12
	16	16	16

INDUSTRIAL MANAGEMENT AND PERSONNEL MANAGEMENT

Junior Year			
Personnel Management (BA 412).....	4	---	---
Manufacturing (BA 455).....	---	4	---
Production Management (BA 415).....	---	---	4
Finance Management (BA 413).....	5	---	---
Sales Management (BA 414).....	---	4	---
Business English (Eng 217).....	---	---	3
Elementary and Advanced Statistics.....	3	3	3
Cost Accounting.....	---	3	3
Accounting Theory and Practice (BA 481, 484, 485).....	3	3	3
Elective.....	2	---	---
	17	17	16

Senior Year			
Business Law (BA 416, 417, 418).....	4	4	4
Investments (BA 463, 464).....	3	3	---
Property Insurance (BA 482).....	---	---	3
Credit Management (BA 479).....	3	---	---
Money, Banking, and Economic Crises (Ec 413).....	5	---	---
Electives.....	---	6	5
	15	13	12

*Combination Program for Women: Women students majoring in business administration may elect a minor in home economics, thus preparing for management of a home and at the same time qualifying for a position in the business world.

COMBINATION CURRICULA

An intimate relation exists between business and certain of the other professions. In increasing numbers students are desiring courses which consist of combinations of business with some other field of endeavor such as law. The following combination is indicative of the opportunities now available:

SUGGESTED SIX-YEAR CURRICULUM IN BUSINESS ADMINISTRATION AND LAW

Many students who enter the University are undecided whether to enroll in business administration or in law. At many points the training in these two fields cross and the student properly trained in both business and law is doubly fortified. To meet an increasing demand for training of this kind, the School of Business Administration and the School of Law offer a combined six-year course leading to the degree of bachelor of business administration on the one hand and bachelor of laws on the other. A student taking the business administration-law combination will register in the law school in his senior year. He will take the regular first year of law school work and will receive credit for forty-six hours toward his bachelor degree. Eighteen hours of the law work may be used to satisfy the thirty-six hour social science requirement for the bachelor of science degree.

Freshman and Sophomore Years

Same as General Business.

Junior Year

	Term hours		
	1st	2d	3d
Personnel Management (BA 412) or Production Management (BA 415)....	4	.....	.....
Finance Management (BA 413).....	.....	5	.....
Sales Management (BA 414).....	.....	.....	4
Business English (Eng 217).....	.....	.....	3
Money, Banking and Economic Crises (Ec 413).....	5	.....	.....
Elective courses in History, Economics, and Philosophy.....	7	11	9
	16	16	16

Advanced Work

The Law School part of this combined course consists of the regular law course of three years. The first year of work in the Law School is fully prescribed, and consists of the following courses: Agency, Contracts, Criminal Law, Personal Property, Common Law, Pleading, Real Property, and Torts. In the second and third year some election is provided for, and selection may be made from the following courses: Bankruptcy, Bills and Notes, Corporations (private), Corporations (municipal), Constitutional Law, Equity, Evidence, Insurance, Mortgages, Code Pleading, Insurance and Administrative Law, Office Practice, Trial Practice, Public Utilities, Real Property, Sales, Trusts, and Wills.

Description of Courses

BUSINESS administration courses are offered as follows: Unified Lower Division Courses at both Eugene and Corvallis, Upper Division and Graduate Courses at Eugene only, Secretarial Training Courses at Corvallis only, Courses in Commercial Education at Eugene and Corvallis, Service Courses at Eugene and at Corvallis.

UNIFIED LOWER DIVISION COURSES
AT BOTH EUGENE AND CORVALLIS

BA 111, 112, 113. **Constructive Accounting.** Three terms, 3 hours each term.

An introduction to the entire field of accounting and to business administration. A study of proprietorship from the standpoint of single ownership, partnership, and corporation organization. Accounting systems from the simple to the complex are constructed from the basic accounting principles. Financial statements and the collection, interpretation, and comparison of their data. Required of all majors and fundamental to all advanced courses in business administration.

BA 114, 115. **Constructive Accounting.** First and second terms, 4 hours each term.

BA 211, 212, 213. **Intermediate Accounting.** Three terms, 3 hours each term.

Managerial accounting including accounting theory and practice, for effective management and control of industrial and trading concerns. The third term is devoted to the preparation, analysis, and interpretation of balance sheets and operating reports. Prerequisites: BA 111, 112, 113 or equivalent.

BA 221. **Elements of Organization and Production.** Any term, 3 hours.

Description and fundamental consideration in organizing and locating a business concern. A survey of modern methods of production. Required of all students majoring in business administration. Prerequisites: BA 111, 112, 113, or equivalent.

BA 222. **Elements of Finance.** Any term, 3 hours.

A brief survey of financial institutions with attention to the possible use of each by the business man. A further study of the financial problems involved in the launching of a business enterprise, expansion, budgetary control, credits and collections, borrowing and management of earnings. Required of all students majoring in business administration. Prerequisites: BA 111, 112, 113, or equivalent.

BA 223. **Elements of Marketing.** Any term, 3 hours.

A study of the problems involved in the marketing of a product; dealing with marketing functions, agencies, policies, and methods. A descriptive course designed to acquaint the student with problems of marketing raw materials; market analysis and distribution of commodities from the manufacturer to the consumer. Foundation course for later specialized study in advertising, sales management, retailing, wholesaling, and foreign trade marketing. Required of all students majoring in business administration. Prerequisites: BA 111, 112, 113, or equivalent.

BA 224. **Elements of Statistics.** Any term, 3 hours.

A course in the fundamentals of statistics covering methods of collection, sampling, tabulation and presentation of data, frequency distributions, averages and index numbers, time series analysis, elementary curve fitting; and correlation with special emphasis on graphics. Problems chosen largely from the field of business and other social sciences. Prerequisite for advanced statistics courses.

UPPER DIVISION COURSES AT EUGENE

BA 324. **Elements of Statistics.** Any term, 3 hours.

(Same as BA 224 above.)

BA 403. **Thesis.** Three terms, 1 to 5 hours each term.

Subject for research in some field of special interest to be chosen upon consultation with major adviser.

BA 408. **Seminar in Business Problems.** Any term, 1 hour.

Prerequisites: BA 221, 222, 223.

BA 412. **Personnel Management.** First or second term, 4 hours.

A study of the principles and policies involved in developing and maintaining a business organization of a loyal and competent working force. Attention devoted to the reconciliation of the wants of the worker and the employer, the recruiting of labor, its selection, placement training, remuneration, health, safety, risks, grievances, turnover, transfer, classification, supervision, promotion, and personal development. Prerequisites: BA 221, 222, 223.

BA 413. **Finance Management.** Any term, 5 hours.

A study from the manager's point of view of financial problems dealing with promotion, organization, obtaining permanent and working capital, bank loans, commercial paper borrowing, management of earnings, administration policies, valuation combination, and reorganization. Actual business problems illustrating specific points are developed by analysis and discussion. Prerequisites: BA 221, 222, 223.

BA 414. **Sales Management.** Any term, 4 hours.

The field and functions of sales management, problems of sales organization, research and planning, sales policies, control of sales operations. Studied from the point of view of the sales manager. Prerequisites: BA 221, 222, 223.

BA 415. **Production Management.** First or third term, 4 hours.

An analysis of the problems of production, factory organization and factory management. Studied from the point of view of the production manager. Prerequisites: BA 221, 222, 223.

BA 416. **Business Law.** First or second term, 4 hours.

A general course in business law correlating fundamental principles with selected cases illustrating their application to typical business situations. The law and its relation to business. Formation of contracts, offer, acceptance, consideration, performance, interpretation and discharge of contracts. Special types of contracts, insurance and suretyship. Courses BA 416, 417, 418 constitute a sequence known as the manager's use of law. Prerequisites: BA 221, 222, 223.

BA 417. **Business Law.** Second or third term, 4 hours.

The law of negotiable instruments. Types of negotiable instruments, creation of negotiable instruments, consideration, delivery, rights and liabilities of parties. The law of principal and agent, creation of the agency, etc. The law of personal property, sales, bailments, and chattel mortgages. Prerequisites: BA 221, 222, 223.

BA 418. Business Law. Third term, 4 hours.

The law of business organization, partnerships, corporations, unincorporated association, business trusts and joint stock companies. The law of real property, real property mortgages, landlord and tenant, and mechanics' lien law. Prerequisites: BA 221, 222, 223.

BA 432. Office Organization and Management. Third term, 2 hours.

The principles of organization and management as applied to the office. The elements of office organization, office management, office records and systems. A special study of the office manager as an executive and his qualifications. Prerequisites: BA 221, 222, 223.

BA 439, 440. General Advertising. First and second terms, 3 hours each term.

Theory and Practice. The economic and social implications of advertising. The advertising agency, "The Campaign," including methods of research and the coordination of advertising with marketing and merchandising processes. Selection of media. Retail and mail order advertising. The mechanics of advertising, including typography, printing, engraving, and book making. Practice in production of layouts and copywriting. Open to students majoring in business administration or journalism; to others only by consent of instructor. Prerequisites: BA 439, 440.

BA 443. Space Selling. Third term, 3 hours.

The salesmanship of advertising, including a description of the organization and methods of the advertising department of newspapers and other publications. Open to majors in business administration and journalism; to others only by consent of instructor. Prerequisites: BA 439, 440.

BA 444, 445, 446. Advertising Problems. Three terms, 2 hours each term.

The purpose of this course is to give the student an opportunity to cultivate his judgment through consideration of actual marketing and merchandising problems, in the solution of which advertising may be a factor. Open to students majoring in business administration and journalism; to others only by consent of instructor. Prerequisites: BA 439, 440.

BA 447, 448. Auditing. Second and third terms, 3 hours each term.

Covers both theory and practice of auditing, discussion being supplemented with problems, questions, and specimen working papers such as are applicable to balance-sheet audits. The detailed subject-matter covers the auditing procedure involved in connection with the assets and liabilities, including intangible assets and contingent liabilities, accounts showing net worth, closing of an audit and preparation of audit reports. Prerequisite: BA 490.

BA 450. Traffic Management. First term, 3 hours.

A study of the transportation and traffic problems confronting industrial and commercial traffic managers with particular emphasis on rail rates and services. Prerequisites: BA 221, 222, 223.

BA 453. Business Policies. Second term, 3 hours.

The aim of this course is to coordinate the work given in the specialized courses in the school to show the interdependence between the different functional departments of a business; to suggest the solution of problems affecting the broad general policy of an operating company; and to correlate business problems with law and economics. Open to upper division business administration students who have had principles of economics and who have had or are taking business law. Prerequisites: BA 221, 222, 223.

BA 455. Manufacturing. Second term, 4 hours.

A brief study of about twenty of the principal manufacturing industries of the United States, including history, technical processes and vocabulary. An elementary knowledge of physics and chemistry is a desirable requisite of this course. Prerequisites: BA 221, 222, 223.

BA 460. Bank Management. Third term, 3 hours.

The administrative problems concerned with the organization and operation of the modern bank. Prerequisites: BA 221, 222, 223; Ec 413.

BA 463. Investments. First term, 3 hours.

A study of the economic principles governing capital and interest; classification and development of methods for evaluating various kinds of investment securities; formulation of an investment policy. Prerequisites: BA 221, 222, 223.

BA 464. Investments. Second term, 3 hours.

A detailed study of the special phases of investments including taxation, mathematics, brokerage, services, and the stock markets, as well as a brief study of the relation of investments to business cycles and forecasting. Prerequisites: BA 221, 222, 223; BA 463.

BA 466. Investment Analysis. Third term, 3 hours.

An advanced course in the application of investment principles to the analysis of specific securities in the industrial, public utility, and railroad fields. A study of individual corporation reports and their relation to security valuation. Prerequisites: BA 463, 464.

BA 467. Public Utility Management. Third term, 3 hours.

A study of the production, distribution, and finance problems of public utilities. Includes consideration of rates, accounting methods, flotation of securities, public relations, and consolidations. Prerequisites: BA 221, 222, 223.

BA 468. Real Estate. Third term, 3 hours.

Business problems connected with the purchase, sale, and management of real estate; valuation, building operations, insurance, and

financing of real estate transactions; legal phases, contracts, liens, taxes and assessments, transfer of titles, deeds, bonds, and mortgages. Selling real estate; office, field, and staff organization. Prerequisites: BA 221, 222, 223.

BA 469, 470. Business Statistics. Second and third terms, 3 hours each term.

An advanced course in applied statistics. Problems in business forecasting, budgeting, analysis of production and labor statistics, construction of special index numbers, market analysis, financial analysis. Particular emphasis given to preparation of statistical reports on special problems. Prerequisites: BA 221, 222, 223; BA 224, or consent of instructor.

BA 471, 472, 473. Foreign Trade Technique. Three terms, 3 hours each term.

Comprehensive study of export and import procedure, ocean shipping, marine insurance, financing foreign shipments, commercial treaties, and customs tariffs and procedure, particular stress placed on the business practices involved. Open to students who have completed lower division requirements in business administration.

BA 474. International Finance. Third term, 3 hours.

An analysis of foreign exchange principles and practices involved in the financing of export and import shipments.

BA 475, 476, 477. Foreign Trade Marketing. Three terms, 3 hours each term.

Careful study of channels of distribution in foreign trade, sales methods and problems, and a detailed market analysis of all the major trade territories of the world particularly as outlets for products of Oregon and other Pacific states. Prerequisites: BA 471, 472, 473.

BA 478. Merchandising. Second or third term, 4 hours.

A study of retailing methods with particular attention to unit store, chain store and department store problems in buying, selling and stock control. Includes figuring mark-up, layouts and merchandise classification, style, pricing, purchasing and planning stocks, inventory methods, stock records, selling organization and special sales events. Course conducted by the case method with practical problems taken from actual experience. Prerequisites: BA 221, 222, 223.

BA 479. Credit Management. First term, 3 hours.

An applied study of the credit and collection problems of modern industrial and mercantile concerns from the standpoint of the credit manager. Emphasis on case method and correspondence. Designed primarily for those intending to enter the credit field. Prerequisites: BA 221, 222, 223.

BA 480. Salesmanship. Third term, 3 hours.

Research work in salesmanship problems. Open to qualified students who wish to specialize in the selling phase of business. Prerequisites: BA 221, 222, 223.

BA 481. Life Insurance. Second term, 3 hours.

Types of life insurance, contracts, rate making, reserves, selection of risks, life insurance, and the state. Prerequisites: BA 221, 222, 223.

BA 482. Property Insurance. Third term, 3 hours.

The economic and legal principles and leading practices upon which the various kinds of property insurance are based. Nature of the coverage, types of underwriters, types of contracts and their special application; analysis of the policy contract, special endorsements and the factors underlying the determination of rates, and adjustment of losses. Prerequisites: BA 221, 222, 223.

BA 483, 484, 485. Accounting Theory and Practice. Three terms, 3 hours each term.

The underlying theory on which accounting records and statements are based, statement of affairs, depreciation, analysis of profit and loss accounts, receiverships, balance sheet construction and problems. Required of students majoring in accounting. Prerequisites: BA 221, 222, 223.

BA 490, 491, 492. Advanced Accounting Theory and Auditing. Three terms, 3 hours each term.

Application of the technical phases of accountancy. Professional training in practical accounting theory and auditing in preparation for the position of auditor, comptroller or executive of large corporations. Prerequisites: BA 483, 484, 485, and prescribed work in business administration. Required of accounting majors. Professor Kelly.

BA 493. Income Tax Procedure. First term, 3 hours.

Income tax laws of the United States and State of Oregon. Problems involving personal, partnership and corporate returns. Forms, law, regulations, treasury decisions involving modern points of law; decisions and rulings which affect business. Prerequisites: senior standing and BA 483, 484, 485 or equivalent.

BA 494, 495. Cost Accounting for Industrials. Second and third terms, 3 hours each term.

The principles and methods of cost accounting, with application to practical problems. Phases of industrial and business management necessary to the installation and operation of a modern cost system. Prerequisites: BA 221, 222, 223.

GRADUATE COURSES

BA 501. Advanced Commercial Research. Three terms, 2 hours each term.

Progress of commercial research in business institutions and research departments of universities. Examination and criticism of

typical studies in business research. Determination of methods of procedure in adaptation to various types of business problems. Practice studies will be performed for application of the methods of business research.

BA 503. **Thesis.** Terms and hours to be arranged.

BA 507. **Seminar.** Any term, 2 hours.

Topics for presentation and discussion are selected in general conference from term to term.

BA 520, 521, 522. **C. P. A. Problems.** Three terms, 5 hours each term.

Intensive study of problems and questions asked by the examining boards of the various states as well as the American Institute of Accountants' examinations. Extensive practice in solution of problems, training to analyze correctly and gain correct form and desired speed in solving difficult problems, involving a knowledge of partnerships, executors' accounts, corporation accounts, revenue accounts, fire insurance, etc. Prerequisite: adequate preparation to be determined by the instructor.

BA 523, 524, 525. **Accounting Systems.** Three terms, 3 hours each term.

Installation and methods of control, cost systems. Special business concerns are studied and systems worked out to fit particular situations as well as standard business practice. Report writing, including technique, style, and form. Problems and research work.

COURSES IN SECRETARIAL TRAINING AT CORVALLIS ONLY

Courses offered by this department are designed for three classes of students: (a) those desiring a thorough training for positions as responsible secretaries; (b) those who intend to teach commercial branches in high schools, and (c) high school commercial teachers desiring advanced training.

Equipment. The Secretarial Training Department is equipped with the latest office appliances and fixtures, including the standard types of typewriters, duplicators, mimeographs, dictaphones, mimeoscopes, filing cabinets, and adding, bookkeeping, and accounting machines. All appliances and equipment are kept in constant repair. Students are taught how to keep and repair the appliances they use.

LOWER DIVISION COURSES

ST 111, 112, 113. **Stenography.** Three terms, 3 hours each term.

Theory of Gregg shorthand; practical application of theory principles in sentence dictation. Typing (ST 121, 122, 123) must be taken concurrently with this course unless the student has had the equivalent. Students who have had at least one year of Gregg shorthand are not permitted to take course ST 111 for credit. Four recitations.

ST 121, 122, 123. **Typing.** Three terms, 2 hours each term.

Theory and practice of touch typing; rhythm drills, dictation exercises; writing paragraphs; punctuation and mechanical arrangement of business correspondence, legal forms, tabulating, manifolding, speed practice. Students who have had at least one year of typing are not permitted to take ST 121 for credit. Five periods laboratory work; 1 hour home assignment.

ST 211, 212, 213. **Applied Stenography.** Three terms, 3 or 5 hours each term.

Advanced principles and phrases of Gregg shorthand; dictation and transcripts covering vocabularies of representative businesses, such as law, banking, insurance, railway, and manufacturing; advanced dictation, legal forms, newspaper and magazine articles. Prerequisites: ST 113 and 123 or equivalent. Three or five recitations; 3 or 5 one-hour laboratory periods; 5 hours home work.

ST 221, 222. **Office Procedure.** First and second terms, 5 hours each term.

Training course in stenographic methods and office practice, advanced dictation, transcripts, practical use of modern office appliances. Prerequisite: ST 213 or equivalent. Two lectures; 4 two-hour laboratory periods. Not offered 1932-33.

ST 223. **Office Organization and Management.** Third term, 5 hours.

Principles and practices of scientific secretarial office management, covering organization, arrangement and operation, with special consideration of the employment and training of secretarial office workers. Office efficiency problems and business ethics. Prerequisite: ST 221. Five lectures; 5 laboratory periods. Not offered 1932-33.

UPPER DIVISION COURSES

ST 311, 312. **Office Procedure.** First and second terms, 5 hours each term.

Similar to ST 221, 222. Designed for upper division students. Not offered after 1932-33.

ST 313. **Office Organization and Management.** Third term, 5 hours.

Similar to ST 223. Designed for upper division students. Prerequisite: ST 311. Not offered after 1932-33.

ST 407. **Seminar in Secretarial Training.** Any term, 1 hour.

Research and survey course in the organization and practice of a modern office in which the student is especially interested and prepared. One period. Not offered after 1932-33.

ST 411, 412. **Secretarial Training.** First and second terms, 3 hours each term.

A study of the duties of the secretary in business and the professions; relation of the private secretary to the employer; office organization and management. Lectures, investigation, assigned reading. Study and application of actual problems in college offices. Prerequisite: ST 213 or equivalent. Three lectures. Not offered after 1932-33.

COURSES IN COMMERCIAL EDUCATION

UPPER DIVISION COURSES

Ed 329. **Special Methods in Commerce.** First or third term, 3 hours.

Principles of education as used in the development of skills and precisions, largely motor, involved in the learning of such activities as are found in stenography, typing, and accounting. Lectures covering aims, materials, standards, methods of presentation, organization of courses, and arrangement of curricula. Prerequisites: BA 111, 112, 113; ST 221, 222; Ed 311, 312, 313. Three lectures. Associate Professor Stutz, Corvallis.

Ed 330. **Special Methods in Commerce.** Third term, 3 hours.

Principles of education basic to those principles underlying modern business organizations and practices, such as accounting, business law, economics, and commercial geography. Prerequisites: BA 111, 112, 113; Ec 201, 202, 203; Soc 201, 202, 203; BA 416, 417, 418; PS 201, 202, 203; Ed 311, 312, 313. Three lectures. Associate Professor Ball, Eugene.

GRADUATE COURSES

Ed 501. **Educational Research.** Terms and hours to be arranged.

Problems in commercial education. Associate Professor Stutz, Corvallis.

Ed 502. **Thesis.** Terms and hours to be arranged.

SERVICE COURSES**AT EUGENE**

The School of Business Administration offers to the campus at large at both Eugene and Corvallis certain courses of a service nature. These courses are open to non-major students without prerequisites.

LOWER DIVISION COURSE

BA 224. **Elements of Statistics.** Any term, 3 hours.

A course in the fundamentals of statistics covering methods of collection, sampling, tabulation and presentation of data, frequency distributions, averages, and index numbers, time series analysis, elementary curve fitting; and correlation with special emphasis on graphics. Problems chosen largely from the field of business and other social sciences. Prerequisite for advanced statistics courses.

UPPER DIVISION COURSES

BA 314. **Personal Finance.** Any term, 3 hours.

An elementary course in practical investments designed to be of service to students who are not business administration majors. A study is made of the principles governing the proper investment of savings in building and loan associations, savings banks, insurance, real estate mortgages, stocks and bonds. Business administration majors not admitted.

BA 416, 417, 418. **Business Law.** Three terms, 4 hours each term.

One section running through the year. For description of courses, see page 300.

AT CORVALLIS

LOWER DIVISION COURSES

BA 256. Business Law. First term, 4 hours.

A general course in business law correlating fundamental principles with selected cases illustrating their application to typical business situations. The law and its relation to business. Formation of contracts, offer, acceptance, consideration, performance, interpretation and discharge of contracts. Special types of contracts, insurance and suretyship.

BA 257. Business Law. Second term, 4 hours.

The law of negotiable instruments. Types of negotiable instruments, creation of negotiable instruments, consideration, delivery, rights and liabilities of parties. The law of principal and agent, creation of the agency, etc. The law of personal property, sales, bailments, and chattel mortgages.

BA 258. Business Law. Third term, 4 hours.

The law of business organization, partnerships, corporations, unincorporated association, business trusts, and joint stock companies. The law of real property, real property mortgages, landlord and tenant, and mechanics' lien law.

UPPER DIVISION COURSES

BA 361. Accounting Fundamentals. First or second term, 3 hours.

Principally for students in Agriculture. Deals with the basic principles of accounting rather than technique, special consideration being given to the accounting problems encountered in the various fields of agriculture with some emphasis on determination of costs of operation. One lecture; 2 recitations.

BA 381. Industrial Organization and Management. Third term, 3 hours.

A condensed course for students other than Commerce. Principles of business organization; types, including partnerships, corporations, and other business units; locating an industry; plant and equipment, buying, receiving, storing, and recording material; financing an enterprise; budgets and reports; banking practice; determination of costs; standardization; wage systems; welfare and employment problems.

BA 385. Principles of Accounting for Engineers. Any term, 3 hours.

An abbreviated course covering the general principles of accounting, designed especially for Engineering students. Prerequisite to Intermediate Accounting. Emphasis is placed on accounting principles, rather than technique. The ultimate aim is to prepare the student to read and interpret accounting facts, rather than to construct accounts. Not open to Business Administration students.

BA 412. Personnel Management. First term, 4 hours.

Principles of scientific management, job analysis, systematic hiring, placing and promoting, methods of wage payment, turnover prob-

lems, labor's participation in management, the public's concern in such participation. Recommended for seniors in Business Administration, Forestry, and juniors and seniors in Engineering who expect to employ and manage men. Three recitations.

BA 439. General Advertising. First term, 3 hours.

Theory and Practice. The economic and social implications of advertising. The advertising agency. "The Campaign," including methods of research and coordination of advertising with marketing and merchandising processes. Selection of media. Retail and mail order advertising. The mechanics of advertising, including typography, printing, engraving, and book making. Practice in production of layouts and copywriting.

BA 452. Marketing. Second term, 4 hours.

A critical study of the marketing of staples, semi-staples, and perishable farm products, including the geographical location of producing areas, marketing routes from the producer to the consumer, types of middlemen, direct marketing, marketing costs, standardization, factors influencing prices, and a general description of our whole marketing system as it exists today.

BA 463. Investments. Third term, 3 hours.

A study of sound and unsound investments; markets and the price of securities; their demand and supply; the computing of earnings; government, state, county, municipal, and corporation bonds and real estate loans as investment securities; the stock exchange.

BA 469. Business and Agricultural Statistics. First or second term, 3 hours.

Sources of business and agricultural statistics; study of statistical devices used in the fields of business and agriculture, such as indices, trends, seasons; problems involved in comparing statistical results. Three recitations.

BA 470. Business Statistics. Second term, 3 hours.

Considers the causes of periods of alternate prosperity and depression; methods of predicting cyclical changes; suggested remedies for diminishing the range of business fluctuations.

BA 490, 491. Advanced Accounting Theory and Auditing. First and second terms, 3 hours each term.

Application of the technical phases of accountancy. Professional training in practical accounting theory and auditing in preparation for the position of auditor, comptroller or executive of large corporations. Prerequisite: prescribed work in business administration.

BA 494, 495. Cost Accounting for Industrials. Second and third terms, 3 hours each term.

The principles and methods of factory cost accounting, with application to practical problems. Phases of industrial management necessary to the installation and operation of a modern cost system. Prerequisites: senior standing and BA 211, 212, 213 or equivalent.

GRADUATE COURSE

BA 520. **C. P. A. Problems.** Third term, 5 hours.

Intensive study of problems and questions asked by the examining boards of the various states as well as the American Institute of Accountants' examinations. Extensive practice in solution of problems, training to analyze correctly and gain correct form and desired speed in solving difficult problems, involving a knowledge of partnerships, executors' accounts, corporation accounts, revenue accounts, fire insurance, etc. Prerequisite: BA 491.

School of Education

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

*ARNOLD BENNETT HALL, J.D., LL.D., President of the University.

JAMES RALPH JEWELL, Ph.D., LL.D., Dean and Director of Education.

CARL WALTER SALSER, Ed.M., Head of Personnel and Placement Service; Assistant to the Dean of the School of Education, Corvallis.

EARL MANLEY PALLETT, Ph.D., Executive Secretary and Registrar of the University.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

ERWIN BERTRAM LEMON, B.S., Registrar of the State College.

CLYDE MAY WORKINGER, Personnel and Placement Secretary, Corvallis.

IDA MAY POPE, A.B., Appointment Secretary, Eugene.

RUTH LANG, Secretary to the Dean of the School of Education, Corvallis.

LUCIA MARIA LEIGHTON, Secretary to the Dean of the School of Education, Eugene.

Agricultural Education

CORVALLIS

HEBER HOWARD GIBSON, A.M., Professor of Agricultural Education.

OLIVER KENNETH BEALS, B.S., Critic Teacher in Agricultural Education.

Commercial Education

CORVALLIS

BERTHA WHILLOCK STUTZ, M.S., Associate Professor of Secretarial Training.

MIRIAM EGAN SIMONS, M.A., Critic Teacher in Commercial Education.

EUGENE

LEE CLEVELAND BALL, M.B.A., Associate Professor of Accounting and Commercial Education.

Education

CORVALLIS

CARL WALTER SALSER, Ed.M., Professor of Education.

HERBERT REYNOLDS LASLETT, Ph.D., Professor of Educational Psychology; Director of Supervised Teaching.

ERNEST WILLIAM WARRINGTON, M.A., Professor of Religion.

FRANK WINTHROP PARR, Ph.D., Professor of Secondary Education.

*LESTON LEWIS LOVE, M.S., Professor of Vocational Guidance.

RILEY JENKINS CLINTON, M.A., Associate Professor of Education.

GRANT ALEXANDER SWAN, B.S., Assistant Professor of Physical Education.

RENA HRAGEN, C.P.H., Assistant Professor of Hygiene.

RUTH THAYER, M.A., Instructor in Physical Education.

*On leave of absence.

EUGENE

- JAMES RALPH JEWELL, Ph.D., LL.D., Professor of Education.
 JOHN FREEMAN BOVARD, Ph.D., Professor of Physical Education.
 HENRY DAVIDSON SHELDON, Ph.D., Research Professor of Education.
 BURCHARD WOODSON DEBUSK, Ph.D., Professor of Educational Psychology.
 FRED LEA STETSON, M.A., Professor of Education.
 ANNE LANDBURY BECK, B.A., Professor of Music.
 FLORENCE DELIA ALDEN, B.A., Professor of Physical Education.
 CARL LEO HUFFAKER, Ph.D., Professor of Education.
 NELSON LOUIS BOSSING, Ph.D., Professor of Education.
 *HAROLD SAXE TUTTLE, M.A., Associate Professor of Education.
 ERNESTO RAY KNOLLIN, M.A., Associate Professor of Physical Education.
 MAUDE ISOBEL KERNS, B.A., B.S., Assistant Professor of Normal Art.
 RALPH URBAN MOORE, M.A., Assistant Professor of Education; Principal of University High School.
 JANET GRANT WOODRUFF, M.A., Assistant Professor of Physical Education.
 MARGARET BANNARD GOODALL, A.B., Instructor in Education.
 WENDELL VAN LOAN, B.S., Instructor in Education; Principal of Roosevelt Junior High School.
 EDITH BAKER PATTEE, M.A., Instructor in Education.
 MELVINA PEARL BLACK, B.S., Supervisor of Mathematics, Roosevelt Junior High School.
 GERTRUDE SEARS, B.S., Supervisor of English, Roosevelt Junior High School.
 MILDRED VERA HAYDEN, M.A., Supervisor of Social Sciences, Roosevelt Junior High School.
 VEOLA PETERSON ROSS, M.A., Instructor in Education.
 AUDREY MAY, B.A., Instructor in Education.
 DALE LESLIE, M.A., Instructor in Education.
 JOSEPH HOLADAY, A.B., Instructor in Education.
 JEAN FORREST EBERHART, B.S., Graduate Assistant in Physical Education.

Home Economics Education

CORVALLIS

- FLORENCE BLAZIER, M.A., Professor of Home Economics Education.
 MERLE BONNEY DAVIS, B.S., Critic Teacher in Home Economics Education.
 FRANCES MAURINE WRIGHT, B.S., State Supervisor and Teacher Trainer in Vocational Home Economics.
 RUTH MORRIS FOREST, B.S., Critic Teacher in Home Economics.

Industrial Education

CORVALLIS

- GEORGE BRYAN COX, B.S., Professor of Industrial Education.
 ORVILLE DANIEL ADAMS, M.S., Associate Professor of Trade and Industrial Education.
 FRANK LLOYD FRANCE, B.S., Instructor in Industrial Education.

*On leave of absence.

THE general purpose of the School of Education is to organize and correlate all the forces under the control of the State Board of Higher Education which have for their ultimate aim growth in educational efficiency in the state of Oregon so far as the training of teachers for the high schools of the state is concerned, together with all other forms of education not distinctly elementary. The faculties and equipment at both Corvallis and Eugene are first class in every respect.

Opportunities for Specialization. The School of Education, drawing on the resources of the various subject-matter departments at Corvallis and Eugene, and by means of the professional training offered in the various departments of education on the two campuses, is prepared to train the following classes of teachers:

- (1) Superintendents, principals, supervisors, and teachers for administrative work.
- (2) Teachers for departmental work in senior high schools.
- (3) Teachers for departmental work in junior high schools.
- (4) Special supervisors in agriculture, art, athletic sports, commerce, home economics, industrial arts, music, nursery school technique, physical training.
- (5) School librarians.
- (6) Deans of girls.
- (7) Guidance specialists.
- (8) Personnel directors.
- (9) Teachers for normal schools and colleges.
- (10) Teachers who are interested in defective and subnormal children and delinquents.
- (11) Those who are interested in physical and mental measurements and tests as specialists in large cities.
- (12) Teachers for small rural high schools who can combine advantageously certain vocational and technical subjects with academic subjects.

In planning the curricula three principles have been observed: first of all, every teacher should be a master of the subject-matter which he is to teach; second, every teacher should understand the minds of the pupils to be taught and the professional problems to be met; third, every teacher should have a broad and liberal education so that he may fill his proper place in the citizenship of community, state, and nation.

Supervised Teaching. Facilities for supervised teaching in all the respective subject-matter fields is provided either at Corvallis or at Eugene. Students have the opportunity of observing the application of the special methods of teaching, and then may acquire, under supervision, such skill as will lead to the actual work of the school. Model lessons by the supervisors in charge serve as illustrations to guide the student teachers in the applications of the principles underlying instruction. Lesson plans are worked out. Eventually supervised teaching is done. In most fields the project method is used to a considerable extent, and use is made of large unit assignments.

Appointment Bureaus. Full information is collected concerning the preparation and experience of graduates who are prepared and qualified to teach. This information is available at all times to superintendents and boards of education. Certification requirements and the school laws of other states are made available to students. Graduates from either Corvallis or Eugene elected to teach in other states are recommended for certificates when endorsed by the Dean of the School of Education and the Registrar. To pay in part for preparing credentials, a fee of two dollars is charged for registration, and a fee of one percent of the first year's salary is charged all who are placed in teaching positions through the appointment bureaus.

Bureau of Educational Research. The School of Education is glad at all times to be of service to any school in the state which may wish any special problems investigated and the results made available to school authorities. Advice as to purchases and use of educational tests is frequently made, and school systems are aided in making studies of their own systems. Expert building and financial surveys of importance have been made for various cities of Oregon, and one large cooperative testing program has been carried through several of the larger systems of the state. Several cities have been helped in the organization of their guidance programs.

Baccalaureate Degrees. The degree of Bachelor of Arts or Bachelor of Science is conferred upon the students of the School of Education who have met the requirements for the respective degrees (see pages 29-30).

The degree of Bachelor of Science in Education is conferred upon students of the School of Education on completion of 186 term hours at either Corvallis or Eugene including the prescribed curriculum of the School of Education. At least 27 term hours in upper division Education courses must be submitted.

Graduate Degrees. The School of Education as a department of the Graduate School at Eugene offers the M.A., M.S., and Ph.D. degrees under the same conditions and procedures which apply in the case of other branches of the University. In addition, the School of Education is authorized to grant two new graduate professional degrees, the Master of Education and Doctor of Education. The general prerequisites and standards of these degrees are the same which hold for the general graduate degrees. The new degrees differ from the old on the following points: (1) a teaching-experience qualification, (2) less time spent on the technique of research, (3) a more consecutive course aimed to prepare men and women for immediate service in administrative and advanced teaching positions. At Corvallis the School of Education offers graduate work leading to the M.S. degree under the same conditions and procedures which apply in the case of other branches of the College, in which all graduate work is carried on under the Committee on Graduate Study. The regulations governing graduate study on both campuses are given under Graduate Work.

Teachers' Certificates. Graduates at either Corvallis or Eugene are entitled to teaching certificates as provided in the Oregon school law. Certificates are issued to graduates from standard colleges or universities

who have completed 120 semester hours (180 term hours) including 15 semester hours (23 term hours) in education as follows:

(1) One-year state certificates shall be issued without examination, upon application, to such graduates of standard colleges and universities, authorizing them to teach only in the high schools of this state.

(2) The holder of a one-year state certificate, issued in accordance with the provisions of this section, shall, after six months' successful teaching experience in this state and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive without examination, a five-year state certificate authorizing him to teach only in the high schools of this state.

(3) The holder of a five-year certificate issued in accordance with the provisions of this section shall, after thirty months' successful teaching experience in this state and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive, without examination, a state life certificate authorizing him to teach only in the high schools of this state.

(4) The holder of a one-year state certificate, or a five-year state certificate, or a state life certificate, secured in accordance with the provisions of this section, is hereby authorized to act as city superintendent of the schools of any city.

(5) High school certificates are only granted to applicants who present credits amounting to at least three term hours each in Educational Psychology, Secondary Education, Principles (Technique) of Teaching and Supervised Teaching.

Fees are as follows, payable to the state superintendent of public instruction:

One-year certificate	\$1.00
Five-year certificate	2.00

Requirements for the Teaching Certificate. In conformity with the above, the School of Education designates courses Ed 311, 312, and 313 as courses to be taken during the junior year for certification, and as prerequisites for other advanced courses in the department, and Ed 315, Supervised Teaching, to be taken during the senior year.

Graduation Requirements. Students whose work has been altogether on the Eugene campus will follow the plans outlined in recent University catalogs of submitting fulfilled norms for graduation, in addition to the required courses in Education and Beginner's Psychology. Upper division students whose work has been altogether on the Corvallis campus will, during the period of transition to a uniform system of requirements for graduation, submit a total of 36 credit hours in Education and Psychology which must in every case include the required 23 hours in Education, and complete a requirement of 36 hours in some field of specialization already recognized as applicable to the high school situation in Oregon, following the plan outlined in recent Oregon State College catalogs.

Norms for Prospective Teachers

NO graduates will be recommended for teaching positions who have not completed in addition to the professional requirements specified by the Oregon school law, the academic preparation outlined under either (A) or (B) below:

A. For students whose major courses are included in the subjects commonly taught in the high schools of the state—namely, biological science (including general science and geology), commercial branches, English, French, German, history, home economics, industrial arts, Latin, mathematics, music, physical education, physical science (physics and chemistry), and Spanish—the requirement is a major course of study including a major norm and a minor norm.

B. For students whose major courses are not included in the foregoing list of subjects commonly taught in the high school, the requirement is two minor norms.

Students who have started to complete norms as outlined by former legislation, may either continue with their original programs or substitute the new norms as given below.

Students who, before entering the School of Education, have already taken courses covering the subject-matter of the norms may substitute these with the consent of the head of the department and the Dean of the School of Education. General substitution of courses of different subject-matter cannot be made.

Following is the list of norms intended to correspond to the main lines of high school teaching which are undertaken by graduates seeking recommendation:

I. Biological Sciences.

MAJOR NORM	Term hours
General Botany (Bot 101, 102, 103) or Animal Biology (Z 101, 102, 103).....	9
The Plant Groups (Bot 201, 202), Classification of Flowering Plants (Bot 203) or Biology of the Vertebrates (Z 201, 202, 203) or Invertebrate Paleontology (G 340, 341) (Counts as Animal Biology), Paleobotany (Bot 425) or Invertebrate Zoology (Z 431, 432).....	12
Introductory Geography (Geo 205, 206, 207), Laboratory Exercises (Geo 208, 209, 210).....	12
	33
MINOR NORM	
General Botany (Bot 101, 102, 103) or Animal Biology (Z 101, 102, 103).....	9
The Plant Groups (Bot 201, 202), Classification of Flowering Plants (Bot 203) or Biology of the Vertebrates (Z 201, 202, 203) or Invertebrate Zoology (Z 431, 432).....	12
	21

II. Commercial Branches.—Stenography and Typing.

MAJOR NORM	Term hours
Stenography (ST 111, 112, 113).....	9
Typing (ST 121, 122, 123).....	6
Constructive Accounting (BA 111, 112, 113).....	9
Applied Stenography (ST 211, 212).....	10
Office Procedure (ST 221).....	5
Business Law.....	4
	43

III. English	Term hours
MINOR NORM	
Literature Survey (Eng 101, 102, 103).....	12
Two terms of Shakespeare.....	6
English Composition for Teachers (Eng 324).....	3
American Literature (Eng 161).....	3
	24
MAJOR NORM	
The minor norm, and in addition; one more term of Shakespeare (3), and 12 hours from any upper division subjects approved for majors in English.	
IV. French	
MAJOR NORM	
Thirty hours above RL 4, 5, 6 (second year), including:	
French Literature (RL 311, 312, 313).....	9
French Conversation and Composition (RL 314, 315, 316).....	6
French Pronunciation and Phonetics and Methods of Teaching French (RL 320, 321, 322).....	6
Modern French Drama and Lyric Poetry (RL 420, 421, 422) or Nineteenth Century French Novel (RL 417, 418, 419).....	9
	30
MINOR NORM	
Twenty-seven hours above RL 1, 2, 3 (first year), including:	
Second Year French (RL 4, 5, 6).....	12
French Literature (RL 311, 312, 313).....	9
French Conversation and Composition (RL 314, 315, 316).....	6
	27
V. German	
MAJOR NORM	
Thirty hours above Ger 4, 5, 6 (second year) including:	
Classical German (Ger 111, 112, 113) or Modern German Drama (Ger 117, 118, 119) or German Fiction and Contemporary Literature (Ger 114, 115, 116).....	9
Introduction to German Literature (Ger 314, 315, 316).....	9
Goethe's Faust (Ger 327).....	3
Teaching of Germanic Languages (Ger 333).....	3
German Conversation and Advanced Composition (Ger 334, 335, 336).....	6
	30
MINOR NORM	
Twenty-seven hours above Ger 1, 2, 3 (first year) including:	
Second Year German (Ger 4, 5, 6).....	12
Classical German (Ger 111, 112, 113) or Modern German Drama (Ger 117, 118, 119) or German Fiction and Contemporary Literature (Ger 114, 115, 116).....	9
German Conversation and Advanced Composition (Ger 334, 335, 336).....	6
	27
VI. History, Civics, Economics	
MAJOR NORM	
History of the United States (Hst 371, 372, 373).....	9
Modern Europe (Hst 341, 342, 343) or World History (Hst 204, 205, 206).....	12
Modern Governments (PS 201, 202).....	8
Principles of Economics (Ec 201, 202, 203).....	9
Elements of Sociology (Soc 201, 202, 203).....	9
	47
MINOR NORM	
History of the United States (Hst 371, 372, 373).....	9
Modern Europe (Hst 341, 342, 343) or World History (Hst 204, 205, 206).....	12
Modern Governments (PS 201, 202).....	8
	29

VII. Home Economics	Term hours
Foods:	
A. For those electing Chemistry	
Principles of Dietetics (FN 225).....	2
Foods (FN 220, 221, 222).....	9
B. For those not electing Chemistry	
Principles of Dietetics (FN 225).....	2
Foods (FN 213, 212, 213).....	9
CLOTHING:	
A. For those electing Art	
Textiles (CT 250).....	3
Clothing (CT 211, 212).....	6
B. For those not electing Art	
Clothing Selection (CT 217).....	3
Clothing Selection and Construction (CT 216, 219).....	6
HOUSEHOLD ADMINISTRATION:	
Child Care and Training (HAd 225).....	3
Household Management (HAd 340).....	4
Elective from at least two of the following groups to complete 36 hours.	
A. Foods	
Food Purchasing (FN 411).....	3
Experimental Cookery (FN 435).....	3
Quantity Cookery and Catering (IEc 311).....	3
Cafeteria Management (IEc 320).....	3
B. Clothing	
House Furnishing (CT 231).....	3
Applied Design (CT 335).....	3
Costume Design (CT 311).....	3
Clothing (CT 312).....	3
House Furnishing (CT 331).....	3
House Furnishing (CT 431).....	3
C. Household Administration	
Home Management House (HAd 350).....	4
Behavior Problems (HAd 421).....	2
VIII. Latin	
MAJOR NORM	
Thirty-three hours above Lat 1, 2, 3 (first year) including:	
Cicero and Vergil (Lat 4, 5, 6).....	12
Latin Literature: The Augustan Age (Lat 101, 102, 103).....	9
Latin Literature: The Silver Age (Lat 311, 312, 313) or Latin Literature: The Elegy (Lat 314, 315, 316).....	9
	30
MINOR NORM	
Twenty-four hours above Lat 1, 2, 3, including:	
Cicero and Vergil (Lat 4, 5, 6).....	12
Latin Literature: The Augustan Age (Lat 101, 102, 103).....	9
Latin Pedagogy (Lat 353).....	3
	24
IX. Mathematics	
Term hours	
MAJOR NORM	
Unified Mathematics (Mth 104, 105, 106 or equivalent).....	12
Differential and Integral Calculus (Mth 201, 202, 203).....	12
Higher Algebra (Mth 412) or Theory of Equations and Determinants (Mth 411).....	3
Two terms of upper division mathematics.....	6
	33
MINOR NORM	
Unified Mathematics (Mth 104, 105, 106 or equivalent).....	12
Differential and Integral Calculus (Mth 201, 202).....	8
History of Mathematics (Mth 311).....	3
Higher Algebra (Mth 412) or Theory of Equations and Determinants (Mth 411) or Modern Geometry (Mth 415).....	3
	26

X. Music

MAJOR NORM

Elementary Harmony (Mus 111, 112, 113).....	9
Elementary Analytical Counterpoint (Mus 114, 115, 116).....	6
Ear-training, Solfeggio, and Dictation (Mus 117, 118, 119).....	1-3
Intermediate Harmony and Analysis (Mus 211, 212).....	8
Elementary Formal Analysis (Mus 213).....	4
Public School Music (Mus 317, 318, 319).....	9
Orchestral Organization (Mus 320, 321, 322).....	6
Music of the Ancients (Mus 314).....	2
The Classical Period (Mus 315).....	2
The Romantic Period (Mus 316).....	2

49-51

Piano: Ability to cope with the problems involved. This usually requires about three years of work.
 Voice: At least one year of accredited instruction and choral experience.

MINOR NORM

Elementary Harmony (Mus 111, 112, 113).....	9
Ear-training, Solfeggio, and Dictation (Mus 117, 118, 119).....	1-3
Elementary Analytical Counterpoint (Mus 114, 115, 116) or Orchestral Organization (Mus 320, 321, 322).....	6
Public School Music (Mus 317, 318, 319).....	9
Music of the Ancients (Mus 314).....	2
The Classical Period (Mus 315).....	2
The Romantic Period (Mus 316).....	2

31-33

Piano: Ability to cope with the problems involved. This usually requires about three years of work.
 Voice: At least one year of accredited instruction and choral experience.

XI. Physical Education

MAJOR NORM (MEN)

Introduction to Physical Education (PE 121, 122, 123).....	6
Physical Activities for Beginning Majors and Minors (PE 174, 175, 176).....	6
Fundamentals of Physical Education (PE 221, 222, 223).....	6
Second Year Physical Activities for Majors and Minors (PE 274, 275, 276).....	6
Principles of Physical Education (PE 471, 472, 473).....	9
Coaching of Football (PE 347).....	} One course selected from this group
Coaching of Basketball (PE 346).....	
Coaching of Baseball (PE 348).....	
Coaching of Track and Field (PE 349).....	
Participation in at least three sports under supervision (no credit)	2
	35

Term hours

MINOR NORM (MEN)

Introduction to Physical Education (PE 121, 122, 123).....	6
Physical Activities for Beginning Majors and Minors (PE 174, 175, 176).....	6
Second Year Physical Activities for Majors and Minors (PE 274, 275, 276).....	6
Coaching of Football (PE 347).....	} Three courses selected from this group
Coaching of Basketball (PE 346).....	
Coaching of Baseball (PE 348).....	
Coaching of Track and Field (PE 349).....	
Minimum hours for recommendation to coach one or more sports in connection with other teaching work.....	24

MAJOR NORM (WOMEN)

Introduction to Physical Education (PE 121, 122, 123).....	6
Physical Activities for Beginning Majors and Minors (PE 124, 125, 126).....	6
Second Year Physical Activities for Majors and Minors (PE 224, 225, 226).....	6
Technique of Teaching Physical Education (PE 314, 315, 316).....	6
Principles of Physical Education (PE 441, 442, 443).....	9
Playground and Community Recreation (PE 351, 352, 353).....	6
Playground Laboratory (PE 454).....	1
	40

MINOR NORM (WOMEN)

	Term hours
Introduction to Physical Education (PE 121, 122, 123).....	6
Physical Activities for Beginning Majors and Minors (PE 124, 125, 126)	6
Second Year Physical Activities for Majors and Minors (PE 224, 225, 226)	6
Technique of Teaching Physical Education (PE 314, 315, 316).....	6
	24

XII. Physical Sciences

MAJOR NORM

Elementary General Chemistry (Ch 201, 202, 203).....	9	
General Physics (Ph 201, 202, 203).....	12	
Laboratory Arts (Ph 281).....	3	
Year courses totaling 9-12 hours from following subjects:--		
Advanced Physics (Ph 211, 212, 213).....	9	
Electrical Measurements (Ph 334, 335, 336).....	9	
Qualitative Analysis (Ch 231), Quantitative Analysis (Ch 232, 233)	12	
Earth Materials (G 412, 413, 414).....	12	9-12
		33-36

MINOR NORM

Elementary General Chemistry (Ch 201, 202, 203).....	9
General Physics (Ph 201, 202, 203).....	12
	21

XIII. Spanish

MAJOR NORM

Twenty-four hours above RL 14, 15, 16 (second year), including:	
Spanish Literature (third year) (RL 341, 342, 343).....	9
Spanish Composition and Conversation (RL 347, 348, 349) or Commercial Spanish (RL 353, 354, 355).....	6
Modern Spanish Literature (RL 441, 442, 443) or Spanish-American Literature (RL 444, 445, 446).....	9
	24

MINOR NORM

Twenty-seven hours above RL 11, 12, 13 (first year), including:	
Second Year Spanish (RL 14, 15, 16).....	12
Spanish Literature (third year) (RL 341, 342, 343).....	9
Spanish Composition and Conversation (RL 347, 348, 349) or Commercial Spanish (RL 353, 354, 355).....	6
	27

Professional Curricula

THE following courses of study show the work in the School of Education that should be followed by students who are intending to become high school teachers or whose special interest lies in the fields of secondary education or school administration. Related work in other colleges or schools is shown only when it is necessary in building the proper curriculum.

Special lines of study have also been planned for those preparing for work with defectives and delinquents. Details of this curriculum may be obtained from the School of Education.

SUGGESTED COURSES FOR PROSPECTIVE SUPERINTENDENTS AND PRINCIPALS

	Term hours		
	1st	2d	3d
Freshman Year			
Education Orientation (Ed 101, 102, 103).....	3	3	3
Sophomore Year			
Elementary Psychology (Psy 201, 202, 203) (no education credit).....	3	3	3
Elementary Psychology Laboratory (Psy 204, 205, 206) (no education credit).....	1	1	1
*Principles of Economics (Ec 201, 202, 203).....	3	3	3
Junior Year			
Secondary Education (Ed 311).....	3	.....	.....
Educational Psychology (Ed 312).....	.....	3	.....
Principles of Teaching (Ed 313).....	.....	.....	3
*Public Finance (Ec 418, 419).....	.....	4	4
Senior Year			
Basic Course in School Administration (Ed 472, 473, 474).....	3	3	3
Supervised Teaching (Ed 315).....	.....	.....	5
Education electives.....	.....	.....	.....

SUGGESTED COURSES FOR NORMAL SCHOOL GRADUATES

Junior Year			
Social Education (Ed 457), Secondary Education (Ed 311), Measurement in Secondary Education (Ed 416).....	3	3	3
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Senior Year			
Basic Course in School Administration (Ed 472, 473, 474).....	4	4	4
History of American Education (Ed 451).....	.....	.....	3
Public Finance (Ec 418, 419).....	.....	4	4

SUGGESTED COURSES FOR PROSPECTIVE HIGH SCHOOL TEACHERS

A. SENIOR HIGH SCHOOL TEACHERS

	Term hours		
	1st	2d	3d
Freshman Year			
Education Orientation (Ed 101, 102, 103).....	3	3	3
Sophomore Year			
Elementary Psychology (Psy 201, 202, 203) (no education credit).....	3	3	3
Elementary Psychology Laboratory (Psy 204, 205, 206) (no education credit).....	1	1	1
Junior Year			
Secondary Education (Ed 311).....	3	.....	.....
Educational Psychology (Ed 312).....	.....	3	.....
Measurement in Secondary Education (Ed 416).....	.....	.....	3
Principles of Teaching (Ed 313) (May be taken in senior year but must precede supervised teaching).....	.....	.....	3
Senior Year			
Supervised Teaching (Ed 315).....	5	2	.....
.....	or	2	5
One or more terms from Ed 451, 454, 458, 484.....	.....	.....	3

The remaining hours in education are elective.
 Normal school graduates will take Ed 311 and 313 in the junior year, also Ed 312 in case this field has not been covered previously. Two terms are required from Ed 451, 454, 458, 481, 484. The remaining hours in education are elective.

*These courses are recommended, not required.

Norms: One teaching norm is required. If possible, one major and one minor norm, or two minor norms, should be met.

B. JUNIOR HIGH SCHOOL TEACHERS

Freshman and Sophomore Years

Same as for Senior High School Teachers.

	Term hours		
	1st	2d	3d
Secondary Education (Ed 311).....	3	.....	.....
Educational Psychology (Ed 312).....	.....	3	.....
Measurement in Secondary Education (Ed 416).....	.....	.....	3
Principles of Teaching (Ed 313) (Must precede supervised teaching).....	.....	.....	3

Senior Year

*Supervised Teaching in Junior High School.....	5	2	---
	or	2	5
The Junior High School (Ed 484).....	3	.....	.....

Normal school graduates will take Ed 311, also 312 in case this field has not been covered previously, Supervised Teaching in the Junior High School, and Ed 484. The remaining hours in education are elective.

COURSES FOR PROSPECTIVE MENTAL EXAMINERS AND CLINIC WORKERS
IN PUBLIC SCHOOLS

The following courses are suggested for those students who are looking forward to a career in the public schools as mental examiners or clinicians. Since it is advisable for one to know school organization and practice, it is recommended that those courses leading to certification be taken as a background. Courses to be taken as a major are listed below. Other courses should be chosen after consultation with the adviser. It is advisable to take an additional year of psychology with laboratory beyond the year's work required for students majoring in education, also to have at least one year's teaching experience before taking the fifth year. The course is so arranged that the student can receive the master's degree at the end of the fifth year.

Freshman and Sophomore Years

	Term hours		
	1st	2d	3d
Education Orientation (Ed 101, 102, 103).....	3	.....	3

Junior Year

Secondary Education (Ed 311).....	3	.....	.....
Educational Psychology (Ed 312).....	.....	3	.....
Principles of Teaching (Ed 313).....	.....	.....	3

Senior Year

Supervised Teaching (Ed 315).....	.....	.....	.....
Psychology of Childhood (Ed 461).....	3	.....	.....
Psychology of Exceptional Children (Ed 462) or Hygiene of the Child (Ed 467).....	.....	3	or 3
Mental Tests (Ed 464) or Hygiene of the Child (Ed 467).....	.....	.....	3

Graduate Year

Psycho-educational Clinic (Ed 402).....	3	or 3	or 3
Statistical and Experimental Method in Education (Ed 515, 516, 517).....	3	3	3
Educational Research (Ed 501).....	.....	.....	.....
Thesis (Ed 503).....	.....	.....	.....

Students who are transferred from other colleges and who have had any of the foregoing courses, or the equivalent, should choose from the courses listed below to make the required number of hours. It is also recommended that wherever possible courses in addition to the foregoing chosen from the fields listed below should be taken.

	Term hours		
	1st	2d	3d
The Junior High School (Ed 484).....	3	.....	.....
Measurement in Secondary Education (Ed 416).....	3	or 3	or 3
Social Education (Ed 457).....	3	.....	.....
History of Education (Ed 454).....	3	.....	.....

*Normal school graduates may be excused from supervised teaching.

CURRICULUM FOR EDUCATIONAL AND VOCATIONAL GUIDANCE

The following general sequence of courses is suggested for those students looking forward to work as counselors, deans of girls, deans of boys, teachers of occupations courses, and other phases of guidance work in connection with the public schools and other social agencies and organizations.

	Term hours		
	1st	2d	3d
Freshman and Sophomore Years			
Education Orientation (Ed 101, 102, 103).....	3	3	3
English Composition (Eng 111, 112, 113).....	2-3	2-3	2-3
Physical or Biological Science.....	3-4	3-4	3-4
Elementary Psychology (Psy 201, 202, 203).....	3	3	3
Elementary Psychology Laboratory (Psy 204, 205, 206).....	1	1	1
Principles of Economics (Ec 201, 202, 203).....	3	3	3
History Cycle.....	3	3	3
Extempore Speaking (Eng 130, 131, 132).....	3	3	3
Junior Year			
Secondary Education (Ed 311).....	3	---	---
Educational Psychology (Ed 312).....	---	3	---
Principles of Teaching (Ed 313).....	---	---	3
Elements of Sociology (Soc 201, 202, 203).....	3	3	3
Employment Psychology (Psy 463).....	---	3	---
Child Study: Adolescence (Ed 420).....	---	3	---
Educational Sociology (Soc 314).....	3	---	---
Mental Tests (Ed 464).....	---	---	3
Literature (English or American).....	3	3	3
Senior Year			
Vocational Guidance (Ed 485).....	3	---	---
Occupational Information (Ed 487).....	---	3	---
Vocational Counseling (Ed 486).....	---	---	3
Principles of Teaching (Ed 313).....	3 or 3	3 or 3	3 or 3
Special Methods (Ed 314).....	2 or 2	2 or 2	2 or 2
Supervised Teaching (Ed 315).....	---	---	---
Statistical Method in Education (Ed 417).....	3	---	or 3
Civic Education (Ed 489).....	3	---	---
Individual Investigation.....	---	---	---

The School of Education provides, also, curricula intended to give training in such groups of allied subjects as must commonly be taught by the same teacher in a high school of moderate size. The curriculum for science teachers, given below, is typical of these.

CURRICULUM FOR PROSPECTIVE TEACHERS OF SCIENCE

This curriculum, leading to the degree of Bachelor of Science in Education, is characterized by its substitution of an extensive training in the fundamental sciences, which are commonly taught in high schools, for the customary major requirement in a single department. It prescribes basic courses in biology, physics, geology, and chemistry, and further requires that the student shall select some one of the sciences as a specialty, which is to be pursued for at least a year beyond the prescribed fundamental course.

	Term hours		
	1st	2d	3d
Freshman Year			
Biology.....	3	3	3
Geology (or geography).....	4	4	4
Elective in language or social science.....	3-4	3-4	3-4
Education.....	3	3	3
*Other electives.....	2-3	2-3	2-3
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
	17	17	17
Sophomore Year			
Physics.....	4	4	4
Psychology.....	3	3	3
Written English.....	2	2	2
*Electives.....	5-6	5-6	5-6
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
	16-17	16-17	16-17

*The electives of the first two years must include at least one year-course of not less than three hours per term in either the first or second group. They may well include such subjects as literature, foreign language, history or government, chemistry, mathematics, mechanics, mechanical drawing or home economics.

	Term hours		
	1st	2d	3d
Chemistry	4	4	4
Secondary Education (Ed 311).....	3	.....	.....
Educational Psychology (Ed 312).....	.....	3	.....
Principles of Teaching (Ed 313).....	.....	.....	3
Measurement in Secondary Education (Ed 416).....	.....	.....	3
†Electives	9	9	6
	16	16	16
Senior Year			
Advanced Science	3-4	3-4	3-4
Supervised Teaching (Ed 315).....	5	2	.....
†Electives	3-4	3-4	3-4
	12-13	12-13	12-13

HONORS IN EDUCATION

Exceptional students may register for special honors in education with thesis or for general honors, in which latter case certain courses in other departments closely connected with the reading in education must be taken. Reading for honors in education means systematic individual study in the following fields: (1) Child and adolescent development as found in fiction and autobiography. (2) Social surveys and other materials treating of child conditions and improvements. (3) Descriptions and narratives of educational institutions in foreign countries. These are not class meetings. Each student is held responsible for individual work.

Reading for honors may in no case take the place of the courses Ed 311, 312, 313, 315 providing training for immediate professional needs.

MINIMUM TEACHING REQUIREMENT

In conformity with the resolution of the Board of Higher Education, February 28, 1930, juniors at Eugene, before registering for the courses leading directly to teaching, shall show a minimum scholarship average within the upper fifty percent range of grades given in the University. Additional consideration is given to psychological rating and teaching personality. In doubtful cases, marked improvement in scholarship during the junior year will be taken into account. At Corvallis comparable standards are maintained but based on skills in the technical subjects rather than on grade points in the academic subjects alone.

Agricultural Education

THIS department is responsible for the training of teachers and supervisors of agriculture in elementary and secondary schools, and the training for leadership in rural life and education. Special attention is given to the training of directors, supervisors, and teachers of agriculture as provided for by the Federal law for vocational education known as the Smith-Hughes Act. Certain field studies and extension activities are included within the scope of this department's work.

The Department of Agricultural Education is a joint department within both the School of Agriculture and the School of Education.

Preparation for Teaching Agriculture. Teachers of agriculture need to have a fundamental knowledge and a high level of doing ability in most of the departmental fields of the School of Agriculture. On account of re-

†The upper division courses will include the courses in education and practice teaching required for certification and at least two methodology courses (6 term hours). The remaining hours may be taken as free electives. Additional courses in the sciences will appeal to those who wish as complete a grasp as possible of the range of high school science.

quirements very little provision can be made in the Agricultural Education curriculum for electives. In order to increase the number of electives that can be taken during a four-year period, courses in Psychology and Education may be taken in the Summer Session prior to the junior or senior year.

Former graduates of the School of Agriculture may prepare themselves very satisfactorily for teaching agriculture by returning for a fifth year of work during which they can elect certain courses in Agriculture that are fundamental for teaching and also complete the required courses in Education.

Requirements in Agriculture.

- (1) Graduation from a college of agriculture of standard rank.
- (2) The course requirements in Agriculture and Education (for Smith-Hughes teaching) can be met in either of two ways: first, by majoring in the Agricultural Education curriculum, which includes requirements in both Agriculture and Education; second, by pursuing one of the three other curricula in Agriculture in the sophomore year and any of the major curricula in General and Specialized Agriculture during the junior and senior years. The latter plan is satisfactory provided sufficient electives are available for meeting the course requirements in Agriculture as well as the 23 credits in Education required for state certification.

The curriculum leading to state certification in Agricultural Education is outlined on page 237.

- (3) Depending on the student's previous training and experience and his choice of courses, 75 to 85 term hours of special work in Agriculture are required. The sequence and distribution of courses are given in the Agricultural Education curriculum. Regardless of the department in which the student majors he should have subject-matter courses in the respective departments as follows:
 - (a) 11 hours in Agricultural Engineering
 - (b) 10 hours in Animal Husbandry
 - (c) 7 hours in Dairy Husbandry
 - (d) 10 to 13 hours in Horticulture
 - (e) 9 to 11 hours in Farm Crops
 - (f) 9 to 13 hours in Farm Management and Agricultural Economics
 - (g) 9 to 12 hours in Soils
 - (h) 3 to 7 hours in Poultry Husbandry
 - (i) 3 to 7 hours in Veterinary Medicine

As early as possible in his college course the prospective teacher should advise with the head of the Department of Agricultural Education regarding the courses he should select in each of the fields of agriculture mentioned above and the various qualifications essential in teaching vocational agriculture.

Requirements in Education. The courses in Education and Psychology required for state certification are described on pages 329-330. The sequence and distribution of these courses are as follows:

	Junior Year		
	1st	2d	3d
Educational Psychology (Ed 312).....	3		
Secondary Education (Ed 311).....		3	
Principles of Teaching (Ed 313).....			3
	Senior Year		
Special Methods in Agriculture (Ed 328).....	5		
¹ Supervised Teaching (Ed 315).....		3	3
Methods in Teaching Evening and Part-Time Classes in Agriculture (AEd 313).....		2	
Rural Survey Methods (AEd 411).....			2

Special Curricula in Agricultural Education will be outlined for students preparing to teach agriculture in city schools or a combination of subjects including Agriculture as requested in the smaller rural high schools.

General Electives. Certain courses are open to all students in Agriculture and others who are interested in training for leadership in rural life. Special attention is called to AEd 331, Rural Education.

Graduate Study in Agricultural Education. Since the demands on teachers of agriculture the country over are becoming more exacting each year, graduate work in the fields of agriculture and education is desirable, and usually necessary for those who desire to enter the fields of supervision or teacher training. Programs of work leading to the degree of Master of Science are outlined by this department for students and teachers with approved standing.

DESCRIPTION OF COURSES

UPPER DIVISION COURSES

AEd 313. Methods in Teaching Evening and Part-Time Classes in Agriculture. Second term, 2 hours.

The administration and organization of classes for both young and adult farmers under the provisions of the state and federal boards for vocational education. Special attention to the use of the conference method as applied to the teaching of adult classes. Students in this course participate in recruiting, organizing, and teaching evening and part-time classes in the vicinity of Corvallis. Problems arising therefrom form the basis of the course. Prerequisite: Ed 328. Two recitations. Professor Gibson.

AEd 315. Club Work and Agriculture in the Elementary School. Second term, 3 hours.

Aims, materials, and methods of teaching and supervising elementary agriculture in upper elementary grades and junior high school. Stress is given to club work, covering its history, scope, organization, supervision, and administration. For prospective agriculture teachers, county agents, and club leaders. Three recitations. Professor Gibson.

¹Ed 315 may be taken any two terms.

AEd 316. Extension Course in Teacher Training. Any term, hours to be arranged.

This course is designed primarily for teachers of vocational agriculture in service who cannot be relieved of their professional duties to pursue courses that are offered in the Summer Session, but who wish to continue their professional improvement. Personal conferences, follow-up instruction, and supervision, supplemented by correspondence and reports. Prerequisites: Ed 311, 312. Professor Gibson.

Ed 328. Special Methods in Agriculture. First or second term, 5 hours.

Problems and methods of organizing and teaching vocational agriculture in high schools, part-time, and evening classes, for both young and adult farmers, in accordance with the provisions of state and federal legislation. Prerequisites: Ed 313. Five recitations. Professor Gibson.

AEd 331. Rural Education. Third term, 3 hours.

Problems and methods in planning a program in rural education based on the analysis of the conditions and structure of the rural community and the psychology of rural life. The place of the high school and other rural organizations in achieving farm life and community efficiencies. Prerequisite: junior standing. Three recitations. Professor Gibson.

AEd 407. Seminar. Two terms, hours to be arranged.

Class and individual studies and reports on special problems in the teaching of agriculture and the administration of Agricultural Education. Prerequisites: Ed 311, 312, 328. Professor Gibson.

AEd 421. Agriculture in Secondary Schools. First or second term, 5 hours.

A study of the organization, administration, and methods of teaching agriculture. This course is based largely on the use of materials obtained from records and reports and by means of excursions and field studies which are required for the work. Prerequisites: Ed 311, 312, 313. Five recitations. Professor Gibson.

GRADUATE COURSES

Ed 501. Educational Research. Terms and hours to be arranged.

Advanced and graduate students may select special problems which they are qualified to study. Ability to select and outline such problems will be a condition for taking this work. Professor Gibson.

Ed 503. Thesis. Terms and hours to be arranged.

The preparation of a thesis for an advanced degree.

AEd 533. Rural Survey Methods. Third term, 2 hours.

The technique of making agricultural and rural education surveys, together with methods of analyzing, interpreting, and using the material and results as a basis for evaluating and formulating programs in Agricultural Education. Field studies required. Open to graduates with teaching experience and seniors by special permission. Prerequisites: Ed 311, 312, 313, 328. Professor Gibson.

Ed 313. Principles of Teaching. Any term, 3 hours.

Application of the laws of psychology to teaching; the significance of individual differences; the types of learning; aims and functions of secondary education; socialization; supervised study; measuring results. Prerequisite: Ed 312. Three recitations. Associate Professor Clinton, Corvallis; Professors Bossing and Stetson, Eugene.

Ed 314. Special Methods. One term, 2 hours.

A two-hour course in Methods. See Special Methods courses, Ed 323-333.

Ed 315. Supervised Teaching. Any term, 10 hours maximum.

Experience in classroom procedures along the lines of the student's academic preparation and interests. Prerequisites: Ed 311, 312, 313. Professor Laslett, Corvallis; Professor Bossing, Eugene.

Ed 323. Teaching of History and Social Sciences in Secondary Schools. One term, 2 hours.

The value, selection, and use of supplementary materials, visual instruction and socialized procedures. Comparison of various techniques such as the contract plan, the unit plan, and supervised study. Prerequisite or parallel: Ed 313. Two recitations. Mr. Holaday, Eugene.

Ed 324. Teaching of General and Biological Science. First term, 3 hours.

An evaluation of teaching aids such as visual instruction, laboratory technique and equipment, utilization of supplementary reading. Prerequisite or parallel: Ed 313. Three recitations. Professor Gibson, Corvallis.

Ed 325. Methods in Modern Foreign Language. One term, 2 hours.

Investigation of sources and use of modern equipment and texts; project method and socialized procedure; analysis of individual problems with conferences. Prerequisite or accompaniment: Ed 313. Two recitations. Miss Pattee, Eugene.

Ed 326. Teaching of Mathematics and Physical Science. Second term, 3 hours.

The essential elements of high school algebra, geometry, and trigonometry; equipment and methods for presenting physics and chemistry to high school students. Emphasis will be placed upon the drill lesson and long unit assignment. Prerequisite or accompaniment: Ed 313. Three recitations. Professor Gibson, Corvallis.

Ed 327. Teaching of Literature. One term, 2 hours.

The objectives of literature teaching; choice of materials, classical and contemporary, suitable for high school age; the long unit assignment as adapted to English classes; testing of results. Prerequisite or parallel: Ed 313. Two recitations. Mrs. Goodall, Eugene.

Ed 328. Special Methods in Agriculture. One term, 5 hours.

Problems and methods of organizing and teaching vocational agriculture in high schools, part time, and evening classes, for both

young and adult farmers, in accordance with the provisions of state and federal legislation. Prerequisite or accompaniment: Ed 313. Five recitations. Professor Gibson, Corvallis.

Ed 329. Special Methods in Commerce. First or third terms, 3 hours.

Principles of education as used in the development of skills and precisions, largely motor, involved in the learning of such activities as are found in stenography, typing, and accounting. Lectures covering aims, materials, standards, methods of presentation, organization of courses, and arrangement of curricula. Prerequisites: BA 111, 112, 113; ST 221, 222; Ed 311, 312, 313. Three lectures. Associate Professor Stutz, Corvallis.

Ed 330. Special Methods in Commerce. Third term, 3 hours.

Principles of education basic to those principles underlying modern business organizations and practices, such as accounting, business law, economics, and commercial geography. Prerequisites: Ec 201, 202, 203; Soc 201, 202, 203; PS 201, 202, 203; Ed 311, 312, 313. Three lectures. Associate Professor Ball, Eugene.

Ed 331. Methods in Home Economics. First term, 3 hours.

An introduction to the field of home economics education. Study of Smith-Hughes problems in home economics. Principles of teaching applied to home economics instruction. Prerequisite or parallel: Ed 313. Three recitations. Professor Blazier, Corvallis.

Ed 332. Methods of Teaching Related Art. First term, 3 hours.

Selection and organization of subject-matter in art in its application to vocational courses authorized under the Smith-Hughes act; special methods in teaching related art. Prerequisite or parallel: Ed 313. Three recitations. Professor Blazier, Corvallis.

Ed 333. Organization and Special Methods in Industrial Arts. First or third term, 5 hours.

Analysis of type jobs in shop work and drawing and the organization of this material into courses of study suitable for elementary and secondary schools or for vocational schools. Special methods for effective presentation of organized materials and the management of shop classes. Prerequisites: Ed 313 and junior standing. Five recitations. Professor Cox, Corvallis.

Ed 402. Psycho-Educational Clinic. Any term, 3 hours.

Designed to meet the needs of that group of advanced students who are looking forward to clinical work and who desire practice in diagnosis and remedial treatment. Open to students who have work in child psychology and in the psychology of atypical children. Professor De Busk, Eugene.

Ed 407. Education Seminar. Any term, 1 or 2 hours.

Reports of current educational meetings, book reviews, discussions of special topics investigated by members. Prerequisites: Ed 311, 312, 313. Professor Stetson, Eugene.

Ed 411. School Hygiene. Third term, 2 hours.

A course in the health provisions requisite for the hygienic conduct of education. Oregon laws, regulations of the State Board of Health, and other state and local authorities explained in detail. Prerequisites: Ed 311, 312, 313; one term of biological science. Two recitations. Assistant Professor Heagen, Corvallis.

Ed 412. School Sanitation. Second term, 2 hours.

General sanitation of school yard and arrangement of buildings; toilets; plumbing; water supply; heat; light; ventilation; seats; blackboards and cleanliness. Prerequisites: Ed 311, 312, 313. Two recitations. Assistant Professor Heagen, Corvallis.

Ed 416. Measurement in Secondary Education. Any term, 3 hours.

A study of the construction and desirable uses of various standard tests and scales for measuring achievements in secondary school subjects. Such elements of statistical method will be given as are necessary for intelligent use of the tests. Prerequisites: Ed 311, 312, 313, or equivalent. Three recitations. Associate Professor Clinton, Corvallis; Professor Huffaker (First or third term), Eugene.

Ed 417. Statistical Method in Education. First or third term, 3 hours.

The fundamental elements only of statistical methods designed to furnish the basis for a scientific procedure in educational measurements; methods of treating collective facts, average facts, and correlated facts, as applied to giving and scoring tests, finding costs, etc. Prerequisite: Ed 416. Three recitations. Associate Professor Clinton, Corvallis.

Ed 420. Child Study: Adolescence. Second term, 3 hours.

The important physical, mental, and moral changes natural to adolescence. Attention is given to the laying of the foundation for the pedagogy of secondary instruction and to the elements of character education. Prerequisites: Psy 201, 202, 203; Ed 312. Three recitations. Professor Salser, Corvallis; Professor Jewell, Eugene.

Ed 451. History of American Education. Third term, 3 hours.

Lectures, reports, and discussions treating the intellectual development of America with special reference to education. Knowledge of American history a requisite. Open to seniors and graduates who have met the practice teaching requirement. Prerequisites: Ed 311, 312, 313 or equivalent. Three recitations. Professor Salser, Corvallis; Professor Sheldon, Eugene.

Ed 454. History of Education. First term, 3 hours.

A general review of the growth and development of education and its relation to the civilization of the times; with particular reference to the educational philosophies of Plato, Aristotle, Renaissance educators, Comenius, Locke, Rousseau, Pestalozzi, Froebel, Herbart, Herbert Spencer and Dewey. Prerequisites: Ed 311, 312, 313. Three recitations. Professor Salser, Corvallis; Professor Jewell, Eugene.

Ed 457. Social Education. First term, 3 hours.

The social aims and functions of modern education; the criteria of social progress; the significance of the school in a democracy; the cultivation of responsibility and leadership. Open to seniors on consent of instructor. Prerequisites: Ed 311, 312, 313 or equivalent. Three recitations. Professor Stetson, Eugene.

Ed 458. Philosophy of Education. Third term, 3 hours.

A study of the broad fundamental principles and problems of education, with some attempt at their solution. The meaning of philosophy; the philosophy of education; principal rules, formulae; the value of a correct philosophy of education for the teacher and school administrator. Prerequisites: Ed 311, 312, 313. Three recitations. Professor Salsler, Corvallis; Professor Jewell, Eugene.

Ed 459. Special Pedagogy of Adolescent Groups. Third term, hours to be arranged.

Dealing with the special social interests of adolescence. This course is especially designed as preparation for leaders in such organizations as the Boy Scouts, Girl Scouts, Campfire Girls, and the like. Prerequisites: Ed 311, 312, 313. Professor Stetson, Eugene.

Ed 460. Comparative Education. One term, 3 hours.

A study of the school systems of the chief countries of the modern world, particularly those of Germany, France, Great Britain and the United States in relation to certain vital problems of adjustment, economic, moral and political. Special attention will be given to developments since the World War and to significant experiments in Germany, Russia, Bohemia, Denmark, India, and elsewhere. Prerequisites: Ed 311, 312, 313. Not offered 1932-33. Professor Sheldon, Eugene.

Ed 461. Psychology of Childhood. First term, 3 hours.

A study of the mental development of the child. Native responses; play, self assertion, instinctive social attitudes; speech, emotions; simple mental processes; complex mental processes; mental organization. Prerequisites: Ed 311, 312, 313. Three recitations. Professor Brumbaugh, Corvallis; Professor De Busk, Eugene.

Ed 462. Psychology of Exceptional Children. Second term, 3 hours.

A study of those types of children who do not adjust themselves adequately to the usual school, including the mentally deficient, borderline cases, the speech defective, the truant, and the delinquent. Prerequisite: Ed 461. Three recitations. Professor De Busk, Eugene.

Ed 463. Psychology of Exceptional Children. Third term, 3 hours.

A study of the types of children otherwise normal who do not respond to the usual methods of classroom instruction; the non-reader, the child with deficient reading skills, the child unable to spell adequately, and the child with a deficient number sense. Prerequisite: Ed 461. Three recitations. Professor De Busk, Eugene.

Ed 464. Mental Tests. Third term, 3 hours.

The technique of giving and scoring tests, both individual and group. The underlying psychological principles; the application of mental tests to the problems of the school room. Prerequisites: Ed 311, 312, 313. Three recitations. Not offered 1932-33. Professor De Busk, Eugene.

Ed 466. Technique of Diagnosis. One term, 3 hours.

A study of those tests, mental and achievement, which are of greatest value in diagnosing the difficulties of children in need of special instruction. Prerequisites: Ed 311, 312, 313. Three recitations. Not offered 1932-33. Professor De Busk, Eugene.

Ed 467. Hygiene of the Child. One term, 3 hours.

The factors of growth affecting the adjustment of the child to the school and its work; the facts and principles of growth; growth defects and disorders; environmental influences. Open to qualified upper division students. Three recitations. Not offered 1932-33. Professor De Busk, Eugene.

Ed 468. Hygiene of Learning. One term, 3 hours.

Those factors and conditions which make for normal mental development including those which make for disintegration as well as those which make for integration. Open to qualified upper division students. Prerequisites: Ed 311, 312, 313 or equivalent. Three recitations. Not offered 1932-33. Professor De Busk, Eugene.

Ed 472. Basic Course in School Administration: Organization. First term, 4 hours.

Courses 472, 473, and 474 constitute the administrative cycle which is required of all majors in school administration and of prospective high school principals. Ed 472 deals with the organization of both grade and high schools, with emphasis on the problems of the small school system. Illustrative topics are: curriculum construction, the course of study, building the daily program, classification of pupils, time allotments. Prerequisites: Ed 311, 312, 313 or equivalent. Four recitations. Professors Huffaker and Stetson, Eugene.

Ed 473. Basic Course in School Administration: Administration. Second term, 4 hours.

This course is the second of the administrative cycle. It deals with such topics as relations of the principal to the school board, school finance, school records and accounts, school building programs, building standards, construction and financing of buildings, pupil accounting, the teaching staff. Open to qualified students who have not had Ed 472. Prerequisites: Ed 311, 312, 313 or equivalent. Four recitations. Professors Huffaker and Stetson, Eugene.

Ed 474. Basic Course in School Administration: Supervision. Third term, 4 hours.

This is the third course of the administrative cycle. It deals with such topics as purpose of supervision, plans for supervision, general

supervisory procedure, use of tests, diagnosis of pupil difficulty, etc., as applied to both elementary and secondary schools. Open to qualified students who have not had Ed 472, 473. Prerequisites: Ed 311, 312, 313 or equivalent. Four recitations. Professors Huffaker and Stetson, Eugene.

Ed 481. Curriculum Construction. Second term, 3 hours.

The problems of building junior and senior high school curricula. Curriculum theories and policies since 1900; principles for selecting and organizing subject-matter; courses of study in various fields; principles of curriculum organization; type programs; important studies in this field. Prerequisites: Ed 311, 312, 313 or equivalent. Three recitations.—Professor Parr, Corvallis; Professor Stetson, Eugene.

Ed 483. Advanced Course in High School Teaching. Any term, 3 hours.

Planned for students with teaching experience and for those who may later become supervisors or administrators. Deals critically with recent tendencies in technique of teaching. Classroom organization, pupil participation; teaching how to study; project teaching; standardized grading; use of community resources in instruction; the experimental attitude in teaching. Prerequisites: Ed 311, 312, 313 or equivalent. Three recitations. Professor Stetson, Eugene.

Ed 484. The Junior High School. First term, 3 hours.

The causes leading to the development of the junior high school; the special purposes and opportunities of this type of school; problems of organization and administration; curriculum building; provisions for individual differences; instruction; exploration and guidance; school activities. Typical junior high schools will be studied. Prerequisites: Ed 311, 312, 313. Three recitations. Professor Stetson, Eugene.

Ed 485. Vocational Guidance. First term, 3 hours.

The study of the means and methods of assisting students in junior and senior high schools in solving the problems of choosing, preparing for and making progress in a suitable vocation. Prerequisites: Ed 311, 312, 313 or equivalent. Three recitations. Professor Salser, Corvallis.

Ed 486. Vocational Counseling. Third term, 3 hours.

More advanced and technical than Ed 485. Aims to give prospective counselors, administrators, and parents an acquaintance with mental, achievement, and trade tests, together with some practice in the administration of such tests. Problems of classification; methods used in educational and vocational counseling. Prerequisite: Ed 485. Three recitations. Professor Salser, Corvallis.

Ed 487. Occupational Information. Second term, 3 hours.

Methods of collecting, analyzing, and evaluating source material having to do with local, state and national vocational occupations. Prerequisites: Ed 311, 312, 313 or equivalent. Three recitations. Professor Salser, Corvallis.

Ed 488. Vocational Education. One term, 3 hours.

The place and need of vocational education in a democracy with special emphasis upon the evolution of the philosophy of vocational education as a phase of the general education program. Prerequisites: Ed 311, 312, 313 or equivalent. Three recitations. Not offered 1932-33. Professor Gibson, Corvallis.

Ed 489. Civic Education. First term, 3 hours.

A study of the school as an instrument of society for transmitting its social inheritance; analysis of school organization, administration, school subjects, methods of instruction, extra-school activities, and methods of discipline with reference to their contribution to training for citizenship. Prerequisites: Ed 311, 312, 313 or equivalent. Three recitations. Professor Salser, Corvallis.

Ed 490. Character Education. Any term, 3 hours.

The place of character in the social purposes of education; distinction between training and instruction; the dynamic function of the feelings; the conditioning of interests; the function of ideals; the formation of habits; the integration of habits and attitudes. Analysis of typical procedure. Prerequisites: Ed 311, 312, 313 or equivalent. Three recitations. Professor Warrington, Corvallis.

Ed 492. Character Education Problems. First term, 3 hours.

The bearing of social change on conduct; democratic participation in the group thought-life as a method of resolving new issues; how build the habit of group thinking; how develop facility in forming reasoned judgment; the study of the technique of leadership in the group thinking process; examination of successful plans now in use; application to program building and the selection of activities. Prerequisite: Ed 490. Three recitations. Professor Warrington, Corvallis.

Ed 496. Extracurricular Activities. Third term, 3 hours.

A consideration of the administration, as well as of the activities themselves, of student governments, athletic associations, boy and girl scouting organizations, honor societies, and the various literary, scientific and other clubs now an integral part of modern junior and senior high schools. Prerequisites: Ed 311, 312, 313. Three recitations. Professor Stetson, Eugene.

GRADUATE COURSES

Ed 501. Educational Research. Terms and hours to be arranged.

In addition to the regular courses listed above, members of the staff stand ready to supervise research and investigation by qualified graduate students. Registration by permission of the staff member or members in whose field the investigation lies. Prerequisite: graduate standing in Education.

Problems in Agricultural Education—Professor Gibson.

Problems in Commercial Education—Associate Professor Stutz.

- Problems in Educational Hygiene—Professor De Busk.
 Problems in Educational Psychology—Professors Laslett and Huffaker.
 Problems in Guidance—Professor Salser.
 Problems in History of Education—Professors Jewell and Sheldon.
 Problems in Home Economics Education—Professor Blazier.
 Problems in Industrial Arts Education—Professor Cox.
 Problems in Measurements—Professor Stetson; Associate Professor Clinton.
 Problems in School Administration—Professor Huffaker.
 Problems in School Finance—Professor Huffaker.
 Problems in Secondary Education—Professors Bossing, Parr, and Stetson.
 Problems in Social or Moral Education—Professors Sheldon and Warrington.

Ed 503. **Thesis.** Terms and hours to be arranged.

Ed 515, 516, 517. **Statistical and Experimental Methods of Education.** Three terms, 3 hours each term.

Technique of quantitative and experimental methods; application of statistical methods to problems; correlation methods, regression equations, and determination of errors as employed in educational administration and research, test construction and the interpretation of test results; methods of determining relationships where data are curvilinear or categorical; partial and multiple correlation and regression equations. Calculus not required. Admission after first term only upon permission of instructor. Prerequisite: graduate standing in Education. Three recitations. Offered each year. Professor Huffaker, Eugene.

Ed 551, 552. **Problems in History of 19th Century Education and Civilization.** First and second terms, 3 hours each term.

A special course for students in history and education. Each student will prepare a paper based on source material. The library is equipped with a collection of source material covering the English, German, French, and American portions of the subject. Prerequisite: graduate standing in Education. Three recitations. Professor Sheldon, Eugene.

Ed 554. **Movements in the Organization of Higher Education.** First term, 2 hours.

Includes an introductory study of the development of higher education in Europe and America, different types of institutions, problems of finance and organization, administration of personnel work, different types of curriculum. Prerequisite: graduate standing in Education. Two recitations. Professor Sheldon, Eugene.

Ed 555. **College and University Teaching.** One term, 2 hours.

Includes a consideration of mental tests in their application to college situations, the objective examination, other movements in the field of college teaching. While the course will be organized by Mr.

Sheldon as chairman of the committee on college teaching, the lectures and problems studied will be outlined by the members of the University faculty best equipped to present them. Prerequisite: graduate standing in Education. Two recitations. Professor Parr, Corvallis; Professor Sheldon (Second term) Eugene.

Ed 556. **College and University Teaching.** One term, 2 hours.

This quarter's work will consist of the consideration of the pedagogy of particular college subjects offered by members of the respective departments. Prerequisite: graduate standing in Education. Two recitations. Professor Parr, Corvallis; Professor Sheldon (Third term), Eugene.

Ed 561, 562, 563. **Advanced Educational Psychology.** Three terms, 2 hours each term.

A discussion of the experimental material which seems most useful and relevant to educational psychology. Open to graduate students with preliminary training in education and psychology. Prerequisite: graduate standing in Education. Two recitations. Ed 561 at Corvallis, Professor Laslett. Ed 561, 562, 563 at Eugene, Professor De Busk.

Ed 564, 565, 566. **Advanced Course in Mental Tests.** Three terms, 2 hours each term.

The history of the test movement; principles of test making; the application of tests to school problems; the definition of intelligence; average mental age of adults; the variability of the IQ; uses of tests in diagnosis. Prerequisite: graduate standing in Education. Two recitations. Not offered 1932-33. Professor De Busk, Eugene.

Ed 583. **Comparative Secondary Education.** One term, 3 hours.

Secondary school organization and practice in representative foreign countries. Varying conceptions of aims and functions, comparative efficiency, suggestions for American education. Prerequisite: graduate standing in Education. Three recitations. Not offered 1932-33. Professor Stetson, Eugene.

Home Economics Education

PROFESSIONAL training to prospective teachers of home economics is afforded by the Department of Home Economics Education. Any student having a scholarship record below average should confer with the Dean of the School of Home Economics before registering for teacher training work.

This department is a joint department within both the School of Home Economics and the School of Education.

DESCRIPTION OF COURSES AT CORVALLIS

UPPER DIVISION COURSES

- Ed 331. Special Methods in Home Economics.** First term, 3 hours.
An introduction to the field of home economics education. Study of Smith-Hughes problems in home economics. Principles of teaching applied to home economics instruction. Prerequisite or parallel: Ed 313. Three recitations. Professor Blazier.
- Ed 332. Methods of Teaching Related Art.** First term, 3 hours.
Selection and organization of subject-matter in art in its application to vocational courses authorized under the Smith-Hughes act; special methods in teaching related art. Prerequisite or parallel: Ed 313. Three recitations. Professor Blazier.
- HEd 411. The Curriculum in Home Economics.** Any term, 3 hours.
A study of the basic principles of curriculum construction applied to the organization of home economics courses in secondary schools. Prerequisite: Ed 331. Three recitations. Professor Blazier.
- HEd 413. The Supervision of Home Projects.** Third term, 2 hours.
A study of the use of home projects in home economics instruction with field work in supervision of home projects. Prerequisite: HEd 411. One recitation; 1 two-hour laboratory period. Professor Blazier.
- HEd 415. Adult Education in Home Economics.** Second term, hours to be arranged.
Study of problems in the adult education program authorized under the Smith-Hughes Act. Field work in promoting, organizing, observing, and teaching adult classes. Prerequisite: HEd 411. Professor Blazier.

GRADUATE COURSES

- Ed 501. Educational Research.** Terms and hours to be arranged.
Problems in home economics education. Professor Blazier.
- Ed 503. Thesis.** Terms and hours to be arranged.

Industrial Education

JOINTLY with the Department of Industrial Arts, the Department of Industrial Education trains teachers and supervisors in industrial arts education and in trade and industrial (Smith-Hughes vocational) education. While the department is organized as a part of the School of Education and offers no technical courses or curricula of its own, it makes use of such courses in other schools and departments as serve its needs. Special attention is called to the joint administration of curricula for teacher training in industrial arts education and in vocational trade and

industrial education. The Department of Industrial Arts (see School of Engineering) is responsible for the general curricula and technical training, while the Department of Industrial Education (School of Education) is responsible for the professional teacher-training courses and applied pedagogy. See pages 350-352 for the curriculum in Industrial Arts Education and pages 367-371 for descriptions of courses in shop technology.

Graduate Study in Industrial Education. Many school systems, and some state departments of education, now require teachers of industrial education subjects to present graduate study or a master's degree as a principal part of their credentials. Since the demands upon teachers the country over are becoming increasingly more exacting each year, graduate work in industrial education brings its proportional rewards and is usually necessary for those who desire to enter the fields of teacher training or supervision. This department outlines programs of study leading to the degree of Master of Science for students and teachers with approved graduate standing.

Special Certificate for Two-Year Vocational Teacher Training. Provision is also made for the issuance of special certificates upon the completion of a special two-year curriculum by those who are graduates of an accredited high school or who are past 21 years of age. These special certificates fall under two classifications, as follows:

1. To journeymen of the various trades who can meet the foregoing requirements and who desire to prepare themselves as trade teachers in accordance with the provisions of the Smith-Hughes Vocational Education Act.
2. To others, whether tradesmen or not, who can meet the foregoing requirements and who desire preparation for the teaching of related or general continuation subjects or both.

Extramural Courses. Through cooperation with the State Board for Vocational Education and through the establishment of extension centers, provision is made whereby certain courses of this department are offered as extramural courses. Several classes are at present taught in Portland, and other extension centers will be established as need warrants. This is especially true of those courses for the training of journeymen as vocational shop teachers, for the training of teachers for general continuation subjects in trade and industrial education, and for graduate or undergraduate courses adaptable to the professional advancement of the teacher in service. For further information concerning extramural courses consult the head of the department of Industrial Education.

DESCRIPTION OF COURSES AT CORVALLIS

UPPER DIVISION COURSES

Ed 333. **Organization and Special Methods in Industrial Arts.** First or third term, 5 hours.

Analysis of type jobs in shop work and drawing and the organization of this material into courses of study suitable for elementary and

secondary schools or for vocational schools. Special methods for effective presentation of organized materials and the management of shop classes. Prerequisites: Ed 313 and junior standing. Five recitations. Professor Cox.

IEd 370. History of Manual and Industrial Arts. Second term, 3 hours.

Historical sketch of the development of manual arts in Europe and in America. A study of the stages of development leading to the present interpretation of the aims and purposes of the industrial arts. Prerequisite: junior standing. Three recitations.

IEd 472. Trade Analysis. First term, 3 hours.

Intended for all teachers of shop subjects vocational or non-vocational. The careful analysis of a trade into its unit operations and the formulation of definite plans for teaching. Prerequisite: Ed 315 either prerequisite or parallel. Three recitations.

IEd 473. The General Shop and Its Problems. Second term, 3 hours.

A study of the general shop and its organization; the reasons for its existence; its advantages and limitations; its probable future. Content and organization of subject-matter and methods of presentation and class control for general shop teaching. Prerequisite: Ed 315 must precede or accompany this course. Three recitations.

IEd 474. Project Analysis and the Contract Plan. One term, 2 hours.

Selection and analysis of projects suitable for various types of shop teaching; study of the contract plan, with practice in the technique of preparing contracts and with suggestions for their use in industrial arts classes. Prerequisite: IEd 473 or equivalent. Two recitations.

IEd 480. Foreman Training. Second term, 3 hours.

A course for journeymen in preparation for vocational teaching and for students training for junior executive positions in industry. Deals with the foreman and his job as a minor executive; with plant practice; equipment organization and management; supervision of production; the handling of men; routing; time study; production control. Prerequisite: full junior standing or consent of instructor. Three recitations; 3 or more inspection trips to manufacturing plants.

IEd 482. The Conference Method. Second term, 3 hours.

Designed to develop ability in conference leading. Includes the presentation of the technique of conference leading, reinforced with actual practice in conducting conferences on assigned topics. Prerequisite: Ed 333 or consent of instructor. Two two-hour recitations. Extramural or summer session. Professor Cox, Corvallis.

IEd 484. Teaching Supplementary Subjects. Any term, 3 hours.

Selection and organization of teachable content, in terms of mathematics, drawing, and science, obtained through careful trade analysis. Methods of organizing and presenting this subject-matter in trade and industrial classes. Prerequisites: suitable preparation in mathematics, drawing, and science and consent of instructor. Three recitations. Extramural or summer session.

IEd 488. The Part-Time School and Its Problems. Any term, 3 hours.

A study of Federal and State laws affecting part-time schools; types of pupils; desirable characteristics of teachers; work of the coordinator; cooperation with outside organizations; planning and care of equipment; the use and place of the lesson plan, job sheet, demonstration, individual practice and follow-up, outside reading, checking and testing; use of pictures, charts, and diagrams; purchase of supplies. Prerequisite: Ed 488 or consent of instructor. Three recitations. Extramural or summer session.

IEd 489. Evening and Continuation Schools. Any term, 2 hours.

A study—similar in nature to that of IEd 488, but with reference to the problems of evening and continuation schools and classes. Prerequisite: Ed 488 or consent of instructor. Two recitations. Extramural or summer session. Professor Cox.

IEd 491. Organization and Administration of Industrial Education. One term, 3 hours.

Study of the problems of organization and administration peculiar to the field of industrial education. Intended primarily for graduate students with extended teaching experience who are looking forward to service in the field of administration and supervision. Prerequisites: Ed 488 and consent of instructor. Three recitations. Extramural or summer session. Professor Cox.

IEd 492. Supervision of Industrial Education. One term, 2 hours.

Specific problems of supervision in the field of industrial education, with reference to both the trade and industrial and the industrial arts education groups. Intended primarily for graduate students with extended teaching experience as a background for the discussion of these problems. Prerequisites: Ed 488, IEd 491. Two recitations. Extramural or summer session. Professor Cox.

GRADUATE COURSES

Ed 501. Educational Research. Terms and hours to be arranged.

Problems in industrial arts education. Professor Cox.

Ed 503. Thesis. Terms and hours to be arranged.

IEd 507. Seminar in Industrial Education. Any term, 2 hours.

A discussion of special problems of organization and administration confronting the teacher of industrial arts education and of vocational trade and industrial education. Two recitations to be arranged. Professor Cox.

School of Engineering and Mechanic Arts

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

HARRY STANLEY ROGERS, C.E., Dean and Director of Engineering.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

ERWIN BERTRAN LEMON, B.S., Registrar of the State College.

BESSIE MARIE SKAALE, B.S., Secretary to the Dean.

Chemical Engineering

CHARLES SAMUEL KEEVEL, Sc.D., Professor of Chemical Engineering; Head of Department.

GEORGE WALTER GLEESON, B.S., Assistant Professor of Chemical Engineering.

Civil Engineering

HARRY STANLEY ROGERS, C.E., Professor of Civil Engineering; Head of Department.

JAMES RINALDO GRIFFITH, C.E., Professor of Structural Engineering.

SAMUEL MICHAEL DOLAN, C.E., Associate Professor of Civil Engineering.

CHARLES ARTHUR MOCKMORE, M.S., Associate Professor of Civil Engineering.

BURDETTE GLENN, M.S., Assistant Professor of Civil Engineering.

GLENN WILLIS HOLCOMB, M.S., Assistant Professor of Civil Engineering; Chairman of General Engineering.

FRED MERRYFIELD, M.S., Assistant Professor of Civil Engineering.

GEORGE BURKHALTER HERINGTON, D.E., Consulting Engineer, Executive Secretary, Portland A. G. C., Lecturer on Construction Administration.

Electrical Engineering

RICHARD HAROLD DEARBORN, E.E., Professor of Electrical Engineering; Head of Department.

LAWRENCE FISHER WOOSTER, M.S., Professor of Applied Electricity.

FRED ORVILLE McMILLAN, M.S., Research Professor of Electrical Engineering.

HAROLD COCKERLINE, B.S., Assistant Professor of Electrical Engineering.

ARTHUR LEMUEL ALBERT, M.S., Assistant Professor of Electrical Engineering.

EUGENE CARL STARR, B.S., Assistant Professor of Electrical Engineering.

BEN HODGE NICHOLS, M.S., Instructor in Electrical Engineering.

Highway Engineering

GORDON VERNON SKELTON, C.E., Professor of Highway Engineering.

Industrial Arts

GEORGE BRYAN COX, B.S., Professor of Industrial Arts Education; Head of Department; Director of Engineering Shops.

AMBROSE ELLIOTT RIDENOUR, B.S., Assistant Professor of Industrial Arts.

MARTIN LEWIS GRANNING, Instructor in Machine Shop.

WILLIAM HAMILTON HORNING, Instructor in Forging.

EDWIN DAVID MEYER, B.S., Instructor in Industrial Arts.

ALFRED CLINTON HARWOOD, Mechanician.

Mechanical Engineering

FREDERICK GOTTLIEB BAENDER, M.M.E., Professor of Mechanical Engineering; Head of Department.

WALLACE HOPE MARTIN, M.E., M.S., Professor of Heat Engineering.

MARK CLYDE PHILLIPS, B.M.E., Associate Professor of Mechanical Engineering; Superintendent of Heating.

WALTER RICHARD JONES, M.E., Assistant Professor of Aeronautical Engineering.

ROBERT EDWARD SUMMERS, B.S., Assistant Professor of Mechanical Engineering.

EARL CLARK WILLEY, B.S., Instructor in Mechanical Engineering.

WILLIAM HOWARD PAUL, B.S., Instructor in Mechanical Engineering.

Mechanics and Materials

SAMUEL HERMAN GRAF, M.S., Professor of Mechanics and Materials; Head of Department.

CHARLES EDWIN THOMAS, M.M.E., Associate Professor of Mechanics and Materials.

IVAN FREDERIC WATERMAN, C.E., Assistant Professor of Mechanics and Materials.

JAMES CAREY OTHUS, M.S., Assistant Professor of Mechanics and Materials.

Mining Engineering

JAMES HERVEY BATCHELLER, B.S., (Min. E.), Professor of Mining Engineering.

Curricula in Engineering and Industrial Arts

B.S. and M.S. Degrees

*Chemical Engineering
Civil Engineering
Electrical Engineering*

*Mechanical Engineering
Mining Engineering*
Industrial Arts*

FOUR-YEAR curricula leading to the degree of Bachelor of Science are offered in the School of Engineering as follows: a general curriculum in Chemical Engineering with an option in Industrial Chemistry; a general curriculum in Civil Engineering with an option in Highway Engineering; a general power curriculum in Electrical Engineering with an option in communications; a general curriculum in Mechanical Engineering with an option in Aeronautical Engineering; curricula in Industrial Arts Education and Industrial Shop Administration.

Requirements for Graduation. In each of the four-year curricula offered in the School of Engineering the fulfillment of the Lower Division group requirements for technical and professional schools is prescribed with the exception that in the Civil, Mechanical, and Electrical Engineering curricula the fulfillment of requirements in the Humanities or Social Science Group may be delayed until after the student has progressed into upper division work.

In each of the four-year engineering curricula the student must complete 72 term hours of upper division work as outlined or elected in the Engineering School with the approval of the department head.

A total of 204 term hours including the required work in physical education and military science is required for the bachelor's degree.

Curricula Organization. The curricula offered in the Engineering School are organized into the following curricula groups.

- A. Chemical Engineering and Industrial Chemistry including a lower division common curriculum and differentiated upper division curricula in these two fields. The Mining Engineering curriculum is also presented in this group.
- B. Civil, Electrical, and Mechanical Engineering including a common freshman curriculum and differentiated sophomore and upper division curricula in these three fields.
- C. Industrial Arts Education and Industrial Shop Administration including a lower division common curriculum and differentiated upper division curricula in these two fields.

Engineering curricula are organized about four general fields of knowledge or training and the sequence of courses in each curriculum is determined for the purpose of developing strong continuity in the various fields. The four fields are: (1) general engineering science and technology; (2) mathematics and physical science; (3) language, literature, English, and social science; and (4) military education, physical education, and free electives.

*1932-33 only.

Exploratory contacts. The lower division curricula in so far as possible have been arranged to provide early contact with engineering training for those who are undetermined in the selection of a major engineering field. In the case of the curricula in Civil, Electrical, and Mechanical Engineering a common freshman year is provided. In the case of Chemical Engineering and Industrial Chemistry a common lower division program is provided. Similarly, for Industrial Arts Education and Industrial Shop Administration a common lower division program is provided.

Curricula groups A and B as listed above are differentiated by their primary foundations in chemistry and physics. An undecided student who desires exploratory contact with chemical engineering should register in curricula group A, for should he decide after the first term to investigate curricula group B, he may do so without increasing his undergraduate period of training. One who, on the contrary, explores curricula group B and decides at the end of his freshman year to transfer to curricula group A will find his training necessarily extended beyond four years.

A. Chemical Engineering, Industrial Chemistry, and Mining Engineering¹

LOWER DIVISION CURRICULUM

	Term hours		
	1st	2d	3d
² Chemical Engineering Survey (ChE 111).....	2		
General Chemistry (Ch 204, 205, 206).....	5	5	5
Trigonometry and Elementary Analysis (Mth 121, 122, 123) or Mathematical Analysis (Mth 131, 132, 133).....	5	5	5
Linear Drawing and Lettering (GE 111), Elementary Mechanical Drawing (GE 112).....		2	2
English Composition (Eng 111, 112, 113).....	3	3	3
Military Science and Tactics.....	1	1	1
General Hygiene and Physical Education (PE 151, 152, 153).....	1	1	1
	17	17	17

Sophomore Year

General Physics (Ph 201, 202, 203).....	4	4	4
Qualitative Analysis (Ch 231), Quantitative Analysis (Ch 232, 233).....	5	5	5
Differential and Integral Calculus (Mth 201, 202, 203, or Mth 204, 205, 206).....	4	4	4
² Lower Division courses in Humanities or Social Sciences group.....	3	3	3
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
	18	18	18

CHEMICAL ENGINEERING

Junior Year

Chemical Engineering (ChE 311, 312, 313).....	3	3	3
Organic Chemistry (Ch 430, 431).....	4	4	
Physical Chemistry (Ch 440, 441, 442).....	4	4	4
Mechanics (MM 351, 352).....		3	3
Strength of Materials (MM 353).....			3
Electives.....	6	4	4
	17	18	17

¹Mining Engineering authorized for 1932-33 only. The complete curriculum is printed as a matter of record for seniors of 1932-33.

²Students in Mining Engineering take three terms of drawing and three terms of geology.

	Senior Year		
	1st	2d	3d
Chemical Engineering (ChE 411, 412, 413).....	5	5	5
Materials of Engineering (MM 311).....	3	.....	.....
Direct Currents, Alternating Currents (EE 351, 352).....	.....	3	3
Industrial Chemistry (ChE 421, 422, 423).....	2	2	2
Industrial Stoichiometry (ChE 431).....	2	.....	.....
Industrial Chemical Laboratory (ChE 432).....	.....	2	.....
Seminar (ChE 407).....	.....	.....	2
Electives.....	5	5	5
	17	17	17

INDUSTRIAL CHEMISTRY

Junior Year			
Chemical Engineering (ChE 312, 313).....	.....	3	3
Organic Chemistry (Ch 430, 431, 432).....	4	4	4
Physical Chemistry (Ch 440, 441, 442).....	4	4	4
Electives.....	9	7	7
	17	18	18

Senior Year			
Industrial Chemistry (ChE 421, 422, 423).....	2	2	2
Industrial Stoichiometry (ChE 431).....	2	.....	.....
Industrial Chemical Laboratory (ChE 432).....	.....	2	.....
Seminar (ChE 407).....	.....	.....	2
Chemical Thermodynamics (Ch 445).....	3	.....	.....
Undergraduate Research (ChE 401).....	3	3	3
Electives.....	6	9	10
	16	16	17

MINING ENGINEERING¹

Junior Year ²			
Mechanics (MM 351).....	3	.....	.....
Mining Machinery, General Mining Operations (MiE 343).....	.....	.....	3
Mine Surveying (MiE 353).....	.....	.....	3
Fire Assaying (Met 361, 362).....	2	2	.....
Ore Dressing (Met 381, 382).....	3	3	.....
Methods for the Determination of Materials (G 312, 313, 314).....	4	4	4
Electives.....	3	6	5
	15	15	15

Senior Year			
Mining Methods (MiE 441), Mining Engineering (MiE 442, 443).....	4	3	3
General Metallurgy (Met 461), Metallurgy of the Base and Precious Metals (Met 462).....	3	4	.....
Ore Dressing Laboratory (Met 491, 492).....	3	3	.....
Earth Materials (G 412, 413, 414).....	4	4	4
Advanced Economic Geology (G 520).....	3	3	.....
Electives.....	.....	.....	6
	17	17	13

¹Seniors 1932-33 must take Ec 211 and PS 201 or equivalents unless already taken.²Advanced Field Geology (G 380), 9 hours, is taken during the summer between the junior and senior years.

B. Civil, Electrical, and Mechanical Engineering

COMMON FRESHMAN YEAR

	Term hours		
	1st	2d	3d
Trigonometry and Elementary Analysis (Mth 121, 122, 123) or Mathematical Analysis (Mth 131, 132, 133).....	5	5	5
Engineering Physics (Ph 111, 112, 113).....	3	3	3
English Composition (Eng 111, 112, 113).....	3	3	3
Linear Drawing and Lettering (GE 111), Elementary Mechanical Drawing (GE 112), Mechanical Drawing (GE 113).....	2	2	2
Engineering Problems (GE 101, 102, 103).....	2	2	2
Military Science and Tactics.....	1	1	1
General Hygiene and Physical Education (PE 151, 152, 153).....	1	1	1
	17	17	17

CIVIL ENGINEERING

Sophomore Year

Differential and Integral Calculus (Mth 201, 202, 203, or Mth 204, 205, 206).....	4	4	4
Elementary General Chemistry (Ch 201, 202, 203).....	3	3	3
Plane Surveying (CE 221, 222, 223).....	5	3	3
Field Curves (CE 231), Curves and Earthwork (CE 232).....	3	3	3
Descriptive Geometry (CE 211).....	3	---	---
Mechanics (MM 351, 352).....	---	3	3
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
	17	18	18

Junior Year

Strength of Materials (MM 354).....	4	---	---
Structural Analysis (CE 381).....	---	4	---
Reinforced Concrete (CE 371).....	---	---	4
Hydraulics (CE 311, 312), Hydraulic Machinery (CE 313).....	3	3	3
Materials of Engineering (MM 311).....	3	---	---
Structural Laboratory (MM 427).....	---	3	---
Roads and Pavements (HE 313).....	---	---	4
General Geology (G 201).....	4	---	---
Electives.....	4	6	6
	18	16	17

Senior Year

NORM

Structural Engineering (CE 482), Structural Design (CE 483).....	4	4	---
Masonry and Foundations (CE 472).....	4	---	---
	8	4	---

Students have choice of General or Highway Option.

GENERAL OPTION

Senior Year Norm.....	8	4	---
Building Design (CE 475).....	---	---	4
Hydrology (CE 411), Hydraulic Design (CE 412).....	---	3	3
Contracts and Specifications (HE 427).....	3	---	---
Estimating and Cost Analysis (CE 460).....	---	3	---
Engineering Administration (CE 461).....	---	---	3
Electives.....	7	7	7
	18	17	17

HIGHWAY OPTION

Senior Year Norm.....	8	4	---
Highway Engineering (HE 411, 412, 413).....	4	3	4
Highway Materials Laboratory (MM 426).....	3	---	---
Economics of Highway Construction (HE 416).....	---	3	---
Contracts and Specifications (HE 427).....	---	---	3
Electives.....	3	7	10
	18	17	17

ELECTRICAL ENGINEERING

Sophomore Year

	Term hours		
	1st	2d	3d
Differential and Integral Calculus (Mth 201, 202, 203), or Mth 204, 205, 206)	4	4	4
Elementary General Chemistry (Ch 201, 202, 203)	3	3	3
Introduction to Electrical Engineering (EE 201, 202, 203)	4	4	4
Machine Shop Practice (IA 260)	2	.....	.....
Forging and Welding (IA 250)	.....	2	.....
Foundry Practice (IA 240)	.....	.....	2
Plane Surveying (CE 226)	3	.....	.....
Elements of Machine Design (ME 242)	.....	3	.....
Extempore Speaking (Eng 130)	.....	.....	3
Military Science and Tactics	1	1	1
Advanced Physical Education (PE 251, 252, 253)	1	1	1
	18	18	18

Junior Year

Electrical Engineering (EE 311, 312, 313)	3	3	3
Electrical Laboratory (EE 321, 322, 323)	3	3	3
Mechanics (MM 351, 352)	3	3	.....
Strength of Materials (MM 353)	.....	.....	3
Heat Power Engineering (ME 331, 332)	3	3	.....
Hydraulics (CE 321)	.....	.....	3
Electives	5	5	5
	17	17	17

Senior Year

NORM

Electrical Engineering (EE 411, 412, 413)	3	3	3
Electrical Design (EE 414, 415, 416)	1	1	1
Materials of Engineering (MM 311)	.....	3	.....
Industrial Engineering (ME 471)	.....	.....	3
Electives	4	4	4
	8	11	11

Students have choice of Power or Communication Option.

POWER OPTION

Senior Year Norm	8	11	11
Electrical Laboratory (EE 421, 422, 423)	3	3	3
Electrical Transients (EE 451)	3	.....	.....
High Voltage Engineering (EE 452, 453)	.....	3	3
Hydraulic Power Plants (CE 322) or Heat Power Engineering (ME 333)	3	.....	.....
	17	17	17

COMMUNICATION OPTION

Senior Year Norm	8	11	11
Electron Tubes and Circuits (EE 463)	3	.....	.....
Radio Communication (Ph 331)	.....	3	.....
Engineering of Sound Systems (EE 465)	.....	.....	3
Communication Laboratory (EE 461)	3	.....	.....
Electrical Characteristics of Transmission Circuits (EE 455)	.....	3	.....
Electrical Communication (EE 462)	.....	.....	3
Elective	3	.....	.....
	17	17	17

MECHANICAL ENGINEERING

Sophomore Year

Differential and Integral Calculus (Mth 201, 202, 203, or Mth 204, 205, 206)	4	4	4
Elementary General Chemistry (Ch 201, 202, 203)	3	3	3
Heat Engineering (ME 221, 222, 223)	2	2	2
Foundry Practice (IA 240)	2	.....	.....
Machine Shop Practice (IA 260)	.....	2	.....
Forging and Welding (IA 250)	.....	.....	2
Descriptive Geometry (ME 211)	3	.....	.....
Mechanism (ME 213)	.....	3	.....
Plane Surveying (CE 226)	.....	.....	3
Military Science and Tactics	1	1	1
Advanced Physical Education (PE 251, 252, 253)	1	1	1
Electives	2	2	2
	18	18	18

	Term hours		
	1st	2d	3d
Heat Engineering (ME 321, 322, 323).....	3	3	3
Mechanical Engineering Laboratory (ME 351, 352, 353).....	2	2	2
Mechanics (MM 351, 352).....	3	3	.....
Strength of Materials (MM 353).....	.....	.....	3
*Materials of Engineering (MM 311).....	.....	.....	3
*Hydraulics (CE 341), Hydraulic Machinery (CE 342).....	3	3	.....
Metallography and Pyrometry (MM 481).....	.....	.....	3
Electives	6	6	3
	17	17	17

Senior Year

NORM

Machine Design (ME 411, 412, 413).....	3	3	3
Engineering Laboratory (ME 451, 452).....	2	2	.....
Fuel Engineering (ME 441, 442).....	3	3	.....
Electives	3	3	8
	11	11	11

Students have choice of General or Aeronautical Option.

GENERAL OPTION

Senior Year Norm.....	11	11	11
Power Plant Engineering (ME 431, 432).....	3	3	.....
Fuel Engineering (ME 443).....	.....	.....	3
Direct Currents (EE 351), Alternating Currents (EE 352), Alternating Current Machinery (EE 353).....	3	3	3
	17	17	17

AERONAUTICAL OPTION

Senior Year Norm.....	11	11	11
Aero Propulsion (ME 421).....	3	.....	.....
Structural Analysis (CE 381, 485).....	4	3	.....
Airplane Design (ME 425, 426).....	.....	3	3
Electrical Ignition Systems (EE 355).....	.....	.....	3
	18	17	17

C. Industrial Arts Education and Industrial Shop Administration

LOWER DIVISION CURRICULUM

Freshman Year

	Term hours		
	1st	2d	3d
Methods in Woodworking (IA 111, 112).....	3	3	.....
Sheet Metal Work (IA 280).....	.....	.....	3
Forging (IA 151).....	3	.....	.....
Foundry Practice (IA 142).....	.....	3	.....
Machine Shop (IA 163).....	.....	.....	3
Linear Drawing and Lettering (GE 111), Elementary Mechanical Drawing (GE 112), Mechanical Drawing (GE 113).....	2	2	2
English Composition (Eng 111, 112, 113).....	3	3	3
Lower Division courses in Biological Sciences Group or Physical Sciences Group	3-4	3-4	3-4
Military Science and Tactics.....	1	1	1
General Hygiene and Physical Education (PE 151, 152, 153).....	1	1	1
	16-17	16-17	16-17

*Students planning to elect the Aeronautical Option take MM 311 second term in place of CE 342 and take ME 343 third term.

	Term hours		
	1st	2d	3d
Sophomore Year			
Lower Division Drawing (AA 291).....	3	---	---
Lower Division Decorative Design (AA 295) or Descriptive Geometry CE 211).....	---	3	---
Pattern Making (IA 231) or Carpentry (IA 223)*.....	---	---	3
House Planning (AA 178).....	3	---	---
House Planning (AA 179) or Elements of Machine Design (ME 242).....	---	3	---
House Planning (AA 180) or Machine Drawing (ME 243).....	---	---	3
Departmental electives.....	2	2	2
Lower Division courses in Biological Sciences Group or Physical Sciences Group.....	3-4	3-4	3-4
†Elementary Psychology (Psy 201, 202, 203) or ‡Principles of Economics (Eco 201, 202, 203).....	3	3	3
Military Science and Tactics.....	1	1	1
Advanced Physical Education (PE 251, 252, 253).....	1	1	1
	16-17	16-17	16-17

INDUSTRIAL ARTS EDUCATION

Junior Year

Mill Work—Machine Woodwork (IA 311) or Production Machine Work (IA 363).....	3	---	---
Automobile Mechanics (AE 312, 313, 314).....	3	3	3
Machine and Tool Maintenance (IA 225 or 265).....	2	---	---
Wood and Metal Finishing (IA 222).....	---	2	---
Departmental electives.....	---	3	3
Secondary Education (Ed 311).....	3	---	---
Principles of Teaching (Ed 313).....	---	3	---
Organization and Special Methods in Industrial Arts (Ed 333).....	---	---	5
Educational Psychology (Ed 312).....	3	---	---
Education electives.....	---	3	3
Other electives.....	3	3	3
	17	17	17

Senior Year

Practical Electricity (IA 370).....	3	---	---
Home Mechanics Shop (IA 325).....	---	2	---
Shop Planning and Organization (IA 411).....	---	---	3
Supervised Teaching (Ed 315).....	5	2	---
Trade Analysis (IED 472).....	3	---	---
General Shop and Its Problems (IED 473).....	---	3	---
Measurements in Education (Ed 416).....	---	---	3
Departmental electives.....	3	4	3
Education electives.....	---	3	5
Other electives.....	3	3	3
	17	17	17

INDUSTRIAL SHOP ADMINISTRATION

Junior Year

Mill Work—Machine Woodwork (IA 311) or Production Machine Work (IA 363).....	3	---	---
Machine and Tool Maintenance (IA 225 or 265).....	2	---	---
Business Law (BA 256, 257, 358).....	4	4	4
Constructive Accounting (BA 111, 112, 113).....	3	3	3
Departmental electives.....	2	7	7
Other electives.....	3	3	3
	17	17	17

*Technical option to be selected according to intended goal.

†Required of students majoring in Industrial Arts Education.

‡Required of students majoring in Industrial Shop Administration.

	Senior Year		
	Term hours		
	1st	2d	3d
Materials of Engineering (MM 311).....	3	.....	.....
Metallography and Pyrometry (MM 481) or Commercial Woods (F 334).....	.....	.....	3
Trade Analysis (IFd 472).....	3	.....	.....
Foreman Training (1Ed 480).....	.....	3	.....
Industrial Organization and Management (BA 381).....	.....	.....	3
Personnel Management (BA 412).....	4	.....	.....
Cost Accounting for Industrials (BA 494, 495).....	.....	3	3
Departmental electives.....	4	8	5
Other electives.....	3	3	3
	17	17	17

General Engineering

ENGINEERING courses required in the common freshman year for Civil, Electrical, and Mechanical Engineering are grouped in the department of General Engineering. The courses include Engineering Problems (GE 101, 102, 103) and three courses in Engineering Drawing (GE 111, 112, 113). The General Engineering department courses are taught by members of the Civil, Mechanical, and Electrical Engineering departmental staffs, who for purposes of coordination and unified effort work as a committee in planning and supervising the instruction.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

GE 101, 102, 103. Engineering Problems. Three terms, 2 hours each term.

Lectures and problems dealing in an elementary way with the general field of engineering. The purpose of the instruction is four-fold: first, to inform the student concerning the problems and occupations in the various engineering fields; second, to unify the purpose of all courses in the engineering curricula; third, to assist the student in the acquisition of elementary knowledge in the fields of civil, mechanical, and electrical engineering; and fourth, to train the student in engineering habits of thinking and expression. Parallel with Ph 111, 112, 113. One lecture; 2 two-hour problem periods.

GE 111. Linear Drawing and Lettering. First or second term, 2 hours.

Training in the use of drafting instruments and in the art of lettering. Intended for students who have had no previous college training in mechanical drawing. The instruments and materials for this course cost about \$20.00. The instruments are used in all later drawing courses. Three two-hour drawing periods.

GE 112. Elementary Mechanical Drawing. Second or third term, 2 hours.

Practice in making working drawings of machine parts; orthographic projection; methods of dimensioning and checking; use of auxiliary planes of projection; section drawings; study of isometric drawing; making tracings from these drawings. Prerequisite: GE 111 or equivalent. Three two-hour drawing periods.

GE 113. **Mechanical Drawing.** Third term, 2 hours.

A continuation of GE 112; also freehand orthographic and perspective sketching; practical application of drawing principles to working drawings; use of charts and diagrams. Prerequisite: GE 112. Three two-hour drawing periods.

Chemical Engineering

CURRICULA in Chemical Engineering are designed to give fundamental training to students who wish to prepare for careers in chemical industry, a field so broad that an undergraduate course can include only the fundamental principles. Students who wish to obtain a thorough preparation for work in this field are urged to extend their knowledge of chemistry and chemical engineering subjects by graduate work.

The curriculum in Chemical Engineering includes mechanical and electrical engineering subjects, as well as courses dealing with the unit operations of chemical engineering. The curriculum in Industrial Chemistry is intended for those students who wish to emphasize the chemical rather than the engineering aspects of their training, and opportunity for this is provided through professional electives.

The study of German and French is recommended to all students. It should be noted that a reading knowledge of at least one of these languages is commonly required for an advanced degree.

Equipment. The laboratories devoted to the courses given by this department are well supplied with water, steam, gas, electricity, and compressed air. An adequate supply of the usual reagents and chemical apparatus is on hand for laboratory courses and research in industrial chemistry. Additional laboratory space for work in chemical engineering proper has recently been provided, and considerable equipment is available, including many of the instruments commonly employed to obtain engineering data. In addition, a good supply of tools and materials is carried in stock for the construction of experimental apparatus. Full use of all facilities is encouraged.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

ChE 111. **Chemical Engineering Survey.** First term, 2 hours.

The field of chemical engineering is discussed with reference to the preparation required and the opportunities presented. Training in the methods and point of view of the engineer is given by means of elementary problems. One lecture; 2 two-hour problem periods.

UPPER DIVISION COURSES

ChE 311. **Chemical Engineering.** First term, 3 hours.

A study of energy relationships and of the thermal properties of matter with applications to the problems of the chemical engineer. Two lectures; 1 three-hour laboratory period.

ChE 312. **Chemical Engineering.** Second term, 3 hours.

A course in the application of fundamental principles to the solution of problems in chemical engineering and industrial chemistry. Two lectures; 1 three-hour laboratory period.

ChE 313. **Chemical Engineering.** Third term, 3 hours.

A continuation of ChE 302. Two lectures; 1 three-hour laboratory period.

ChE 401. **Undergraduate Research.** Terms and hours to be arranged.

Consultation, library, and laboratory work. Training in the methods of conducting a scientific investigation.

ChE 403. **Thesis.** Any term, 3 hours.

Electives on approval for undergraduates whose records indicate ability and initiative to complete special projects.

ChE 407. **Seminar.** Any term, 2 hours each term.

Reports on selected topics. Effective oral presentation of material is emphasized. One period.

ChE 411, 412, 413. **Chemical Engineering.** Three terms, 5 hours each term.

A quantitative treatment of the unit operations of chemical engineering, involving the solution of numerous problems. The principles developed in the classroom are further illustrated by concurrent laboratory work. Two lectures; 1 recitation; 2 three-hour laboratory periods.

ChE 421, 422, 423. **Industrial Chemistry.** Three terms, 2 hours each term.

A study of the more important industrial chemical processes. Two lectures.

ChE 431. **Industrial Stoichiometry.** First term, 2 hours.

Calculations of the industrial chemical processes. One lecture; 1 two-hour problem period.

ChE 432. **Industrial Chemical Laboratory.** Second term, 2 hours.

The small scale development of a chemical process, followed by a report on plant layout and an estimation of the probable economic return. One lecture; 1 three-hour laboratory period.

ChE 451. **Sanitary Chemistry.** First term, 3 hours.

The treatment and disposal of waste products. Two lectures; 1 three-hour laboratory period.

GRADUATE COURSES

ChE 501. **Graduate Study and Research.** Terms and hours to be arranged.

The investigation of problems in chemical engineering or industrial chemistry for an advanced degree.

ChE 503. **Graduate Thesis.** Terms and hours to be arranged.

Research and preparation of a thesis for an advanced degree.

ChE 511. **Chemical Engineering.** First term, 4 hours.

A review of the principles covered in undergraduate courses, followed by advanced work. A problem course intended for graduate students who have already had a descriptive course in which the solution of problems was not emphasized.

ChE 521. **Economic Balance.** First term, 4 hours.

The solution of typical chemical engineering problems in which emphasis is placed on economic considerations, including a determination of the optimum design from the point of view of cost and economic return. Prerequisites: ChE 411, 412, 413.

ChE 532. **Diffusional Processes.** Second term, 4 hours.

Development of the theory underlying such processes as absorption, distillation, drying, humidification, etc. Solution of problems including application of the theory to the design of equipment. Prerequisite: ChE 413.

ChE 542. **Chemical Engineering Design.** Second term, 4 hours.

Calculations are made covering the design of a complete plant from the point of view of the chemical engineer. Economic factors and the properties of materials are taken into account. Prerequisite: ChE 413.

ChE 553. **Heat Transmission.** Third term, 4 hours.

Development of the theory underlying the transmission of heat, with numerous problems including applications of fundamental principles to the design of typical heat-transfer equipment. Prerequisite: ChE 413.

ChE 563. **Applied Thermodynamics.** Third term, 3 hours.

Applications of thermodynamics to the solution of typical chemical engineering problems. Prerequisite: ChE 413.

Civil Engineering

THE curriculum in Civil Engineering is organized to train young men in those fundamental principles of engineering science and technology which are basic and common to the fields of geodesy and surveying, highways, railroads, irrigation and drainage, river and harbor improvements, structures, hydraulics, sanitation, and municipal engineering, and

to permit some latitude of choice in the three general fields of structures, hydraulics, and highways. The civil engineer's problems in the development of the Northwest are directly related to the structural, hydraulic, and highway fields. The curriculum is planned to prepare graduates for advancement to responsible positions in these fields.

Equipment. The department is provided with quarters and equipment for adequately and thoroughly performing its work. The third floor of Apperson Hall is devoted to classrooms and drawing rooms. A large room on the ground floor of Mechanic Arts Building houses the surveying instruments, and the entire middle third of the Engineering Laboratory is occupied by hydraulic equipment. The equipment of the instrument room consists of 29 transits, 25 levels, and 16 plane-tables; together with the necessary auxiliary supply of stadia, level, and line rods, hand levels, tapes, and other minor equipment.

The equipment of the hydraulic laboratory is adequate for the execution of all basic experimental work in the field of hydraulic engineering. The machinery installed is modern and complete. It is extensive enough so that all the theoretical studies of the classroom may be verified by the performance of machines in the laboratory. Classified upon the factors of quantity of water, pressure under which water is available, square feet of floor space, and value of equipment it ranks among the leading hydraulic laboratories of the United States. The major items of the equipment are two direct-connected 8-inch centrifugal pumps operated by 40-horse-power motors; a 35-inch Pelton impulse wheel with oil pressure governor; a 14-inch spiral cased Francis type reaction turbine with Pelton governor; a large pressure tank five feet in diameter by twenty feet high; and two 16,000-pound capacity weighing tanks mounted upon direct reading scales.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

CE 125. Plane Surveying. Second term, 3 hours.

Theory, use, and adjustments of tape, compass, and level. One recitation; 6 periods field work.

CE 126. Plane Surveying. Third term, 5 hours.

A continuation of CE 125. Theory, use, and adjustment of transit. Measurement and subdivision of land. Prerequisite: CE 125. Two recitations; 9 periods field work.

CE 211. Descriptive Geometry. First term, 3 hours.

A study of the principles of orthographic projection and of their applications to the graphical solution of engineering problems. Prerequisite: GE 112. One recitation; 2 three-hour drawing periods.

CE 221. Plane Surveying. First or third term, 5 hours.

Theory, use, and adjustment of level and transit. Measurement and subdivision of land. Two recitations; 9 periods field work.

CE 222. **Plane Surveying.** Second term, 3 hours.

A continuation of CE 221. A study of surveying problems as related to subdivision of public land, farm and city surveying; special problems and methods; further practice in use of instruments; note-keeping. Prerequisite: CE 221. One recitation; 6 periods field work.

CE 223. **Plane Surveying.** Third term, 3 hours.

Use of stadia and of plane-table; topographical mapping and drawing; determination of meridian by stellar and by solar observation. Prerequisite: CE 222. One recitation; 6 periods field work.

CE 224. **Precise Surveying and Geodesy.** Any term, 3 hours.

Instruction in precise leveling, triangulation, base line measurement, stellar and solar observations. Prerequisite: CE 223. One recitation; 6 periods field work.

CE 226. **Plane Surveying.** First or third term, 3 hours.

Theory, use, and adjustment of engineer's level and transit. One recitation; 6 periods field work.

CE 231. **Field Curves.** Second term, 3 hours.

Instruction and field work in simple curves and compound curves as related to railroads, highways, and canals. Prerequisite: CE 223. Two recitations; 3 periods field work.

CE 232. **Curves and Earthwork.** Third term, 3 hours.

Instruction and field work in easement, and parabolic curves as related to railroads, highways, and canals. Complete survey of a transportation line, reconnaissance, preliminary, and location surveys; estimates of quantities. Prerequisite: CE 231. One recitation; 6 periods field work.

UPPER DIVISION COURSES

CE 311. **Hydraulics.** First term, 3 hours.

A study of the principles underlying pressure and flow of water; laboratory measurements of pressure and flow. Planned particularly for Civil Engineering students. Two recitations; 3 periods laboratory work.

CE 312. **Hydraulics (Advanced).** Second term, 3 hours.

A continuation of CE 311. A study of the impulse and reaction of jets and energy of water. Prerequisite: CE 311. One recitation; 4 periods laboratory work.

CE 313. **Hydraulic Machinery.** Third term, 3 hours.

Operation, characteristics, efficiency, theory, design, and installation of pumps and turbines; laboratory studies. Planned particularly for Civil Engineering students. Prerequisite: CE 312. Two recitations; 3 periods laboratory work.

CE 321. Hydraulics. Third term, 3 hours.

A study of the principles underlying and laboratory measurements of the pressure, flow, and energy of water. Planned particularly for Electrical Engineering students. Two recitations; 3 periods laboratory work.

CE 322. Hydraulic Power Plants. First term, 3 hours.

A study of the application of the principles of hydraulics to power production in hydro-electric plants; stream flow, dams, head works, pipe lines, wheels, and speed regulation. Prerequisite: CE 321. Two recitations; 3 periods laboratory work.

CE 331. Navigation. First term, 3 hours.

Fundamental laws of navigation; longitude, latitude, spherical trigonometry; commercial flight routes; flight instruments. Three recitations.

CE 341. Hydraulics. First term, 3 hours.

A course similar to CE 321 for students in Mechanical Engineering. Two recitations; 3 periods laboratory work.

CE 342. Hydraulic Machinery. Second term, 3 hours.

A study of the application of the principles of hydraulics to the performance and design of pumps and turbines and the layout of pumping and power plants. Prerequisite: CE 321 or 341. Two recitations; 3 periods laboratory work.

CE 371. Reinforced Concrete. Third term, 4 hours.

Study and design of slabs, beams, and columns of reinforced concrete. Prerequisite: MM 353. Two recitations; 4 periods laboratory work.

CE 381. Structural Analysis. First or second term, 4 hours.

Graphical and algebraic analysis of simple roof and bridge structures. Prerequisite: MM 351. Two recitations; 4 periods laboratory work.

CE 387. Structural Analysis. Second term, 2 hours.

Analysis of roof trusses. Prerequisite: MM 351. One recitation; 3 periods laboratory work.

CE 403. Thesis. Any term, 3 hours.

Elective on approval to undergraduates whose records indicate ability and initiative to complete special projects.

CE 407. Seminar. Any term, 1 hour.

Open to members of the senior classes in civil, electrical, and mechanical engineering. The purpose of the seminar is to examine and discuss the nature and function of engineering, the nature and history of engineering education, methods of thought in physical science, and the relationships between engineering, research, and the industrial revolution.

CE 411. Hydrology. Second term, 3 hours.

A study of precipitation, storage, and run-off; field studies in standard methods of measurement. Two recitations; 3 periods field and laboratory work.

CE 412. Hydraulic Design. Third term, 3 hours.

Selection, design, and construction for the storage, conveyance, distribution, control, and measurement of water. Prerequisite: CE 312. Two recitations; 3 periods laboratory work.

CE 413. Reclamation Engineering. Third term, 3 hours.

Preliminary investigations and design of drainage and irrigation systems. Prerequisite: CE 312. Two recitations; 3 periods laboratory work.

CE 433. Railroad Engineering. Second term, 3 hours.

A study of methods in railway construction, maintenance, and valuation, of standard structures, trestles, tunnels, culverts, minor bridges, ballast, rails and rail fastenings, yards, terminals, etc. Prerequisite: CE 232. Two recitations; 3 periods laboratory work.

CE 451. Water Power Engineering. Any term, 3 hours.

Development of water power; storage and load; characteristics of modern turbines; selection of turbines; practical problems in design. Prerequisite: CE 313, 322, or 342. One recitation; 6 periods laboratory work.

CE 452. Water Supply. Any term, 3 hours.

A study of the quality and quantity of water necessary for a municipal supply and of works for its collection, purification, and distribution. Two recitations; 3 periods laboratory work.

CE 453. Sewerage. Any term, 3 hours.

A study of the quantity of municipal sewage flow and of works for its removal and disposal. Two recitations; 3 periods laboratory work.

CE 454. Sewage Disposal. Third term, 3 hours.

The several processes for the disposal and treatment of sewage; problems and considerations encountered in the design and operation of sewage treatment plants. Prerequisite: CE 453. Two recitations; 3 laboratory periods.

CE 455. Water Filtration. Third term, 3 hours.

The methods of filtering water; the problems and considerations encountered in the design and operation of filtration plants. Prerequisite: CE 452. Two recitations; 3 periods laboratory work.

CE 460. Estimating and Cost Analysis. Second term, 3 hours.

Procedure in quantity surveying; general and detailed considerations in establishing unit prices; subcontracts, overhead cost and profit; methods of preparing estimates in construction. Three recitations.

CE 461. **Engineering Administration.** Third term, 3 hours.

Fundamental construction operations; application of machinery to engineering construction; organization of construction operations; labor, housing, purchasing, and storing problems; financing a construction job. Three recitations.

CE 463. **Irrigation Operation.** Third term, 3 hours.

Operation and maintenance of irrigation systems; protection of canals; maintenance of structures; delivery of water; organization; financial phases of operation. Three recitations.

CE 472. **Masonry and Foundations.** First term, 4 hours.

Study and design of masonry foundations, walls, piers, dams, and arches. Prerequisite: CE 371. Two recitations; 6 periods laboratory work.

CE 473. **Reinforced Concrete and Foundation Design.** Third term, 3 hours.

Fundamental principles of reinforced concrete applied to design of power stations and machinery beds. Prerequisite: MM 353. One recitation; 6 periods laboratory work.

CE 475. **Building Design.** Third term, 4 hours.

Study of various types and design of typical structural building frames. Prerequisite: CE 371. Two recitations; 6 periods laboratory work.

CE 482. **Structural Engineering.** First term, 4 hours.

Design of simple steel structures, beams, through and deck plate girders, and viaducts. Prerequisite: CE 381. Two recitations; 6 periods laboratory work.

CE 483. **Structural Design.** Second term, 4 hours.

Design and estimating of roof and bridge trusses. Prerequisite: CE 482. Two recitations; 6 periods laboratory work.

CE 484. **Structural Design.** Third term, 5 hours.

Design of voussoir and elastic arches. Prerequisite: CE 483. Two recitations; 9 periods laboratory work.

CE 485. **Structural Analysis.** Second term, 3 hours.

Advanced course. A study of statically indeterminate structures. Prerequisite: CE 381. One recitation; 6 periods laboratory work.

CE 486. **Elastic Deformations and Secondary Stresses.** Third term, 3 hours.

A continuation of CE 485. Prerequisite: CE 485. One recitation; 6 periods laboratory work.

CE 488. **Wood and Steel Structures.** Second or third term, 3 hours.

Design of mill buildings. Prerequisite: CE 387. One recitation; 6 periods laboratory work.

CE 489. **Trusses and Towers.** First term, 3 hours.

Design of steel roof trusses and transmission towers. One recitation; 6 periods laboratory work.

GRADUATE COURSES

CE 501. **Graduate Study and Research.** Terms and hours to be arranged.

Advanced studies in the science or technology of civil engineering. Comprehensive reports indicating a thorough mastery of the fields studied are required in each case.

CE 503. **Graduate Thesis.** Terms and hours to be arranged.

Original problems of a research nature chosen by the student or suggested by the department are studied and reported upon in thesis form.

Electrical Engineering

DESIGNED especially to train the young engineer in fundamental principles, the curriculum in Electrical Engineering subordinates both shop and laboratory to this end. Practical acquaintance with actual conditions can be acquired only in the field during vacation and after graduation. For this reason, and in order to supplement his college education, the student is urged to spend at least a part of his vacation in some phase of electrical industry.

The electrical engineering industries of the Northwest have cooperated in providing opportunities for vacation employment in practical fields and many of the electrical manufacturing and operating companies throughout the United States have organized special training courses for introducing graduates to the field of application.

Equipment. The Electrical Engineering department is housed in Apperson Hall and adequately provided with classroom and laboratory facilities. The laboratory equipment is complete enough so that all the principles discussed in the classroom can be verified and demonstrated by tests.

Laboratories available for instructional and experimental work comprise the sophomore laboratory, the general power laboratory, the standardizing, communication, storage battery, illumination, and high voltage laboratories. The sophomore laboratory has adequate facilities for investigating the fundamental principles of electricity. The general power laboratory is equipped with direct and alternating current machinery of all the usual types. Several special machines are available for experimental work requiring unusual frequencies or voltages. The standardizing laboratory is provided with equipment for the precise measurement of potential, current, and power over wide ranges and for the standardization and calibration of electrical measuring instruments, meters, instrument shunts and instrument transformers. The communications laboratory is well equipped with apparatus and instruments for performing tests and making studies involving the currents, voltages, and frequencies used in electrical communication over wire circuits; for studying electronic devices; and

for investigating electrical sound systems. The storage battery laboratory contains both the lead-acid and alkaline types of cells, and equipment for charging and for performing complete storage-battery tests. The illumination laboratory contains stationary and portable photometers for use in rooms arranged for testing of different types of light sources. The high voltage laboratory is equipped with two 60-cycle high voltage testing transformers, one rated at 100 K.V-a, 200,000 volts and one at 10 K.V-a, 100,000 volts, and one impulse or lightning voltage generator capable of producing impulse voltages up to 600,000 volts and having adjustable wave fronts. This laboratory is also equipped with sphere gap voltmeters, electrostatic voltmeters, and Lichtenberg figure-type surge voltage recorders for measuring high voltages, a high voltage potentiometer, and other equipment necessary for the usual high voltage tests.

Oscillographs of the Duddell type and also the low voltage and Du Four cathode ray types are available for transient and high-frequency investigations in any of the laboratories.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

EE 201, 202, 203. Introduction to Electrical Engineering. Three terms, 4 hours each term.

An introductory study of fundamental electrical phenomena and their application to electrical engineering. Two lectures; 1 two-hour problem period; 1 three-hour laboratory period.

UPPER DIVISION COURSES

EE 311, 312, 313. Electrical Engineering. Three terms, 3 hours each term.

A study of the electric circuit and direct and alternating current machinery. Three recitations.

EE 321, 322, 323. Electrical Laboratory. Three terms, 3 hours each term.

A study of alternating-, direct-current generator and motor equipment. Particular attention is given to voltage and speed regulation, armature reaction, parallel operation, wave form, efficiency and stability. One lecture; 1 three-hour laboratory period.

EE 351. Direct Currents. First or second term, 3 hours.

A preliminary electrical course for non-electrical engineering students, covering the fundamentals of direct current circuits and direct current machines. Prerequisites: Ph 111, 112, 113. Two recitations; 1 three-hour laboratory period.

EE 352. Alternating Currents. Second or third term, 3 hours.

A continuation of EE 351, covering alternating current circuits. Two recitations; 1 three-hour laboratory period.

EE 353. Alternating Current Machinery. Third term, 3 hours.

A continuation of EE 352, with emphasis placed on the study of machines and auxiliary equipment. Two recitations; 1 three-hour laboratory period.

EE 355. **Electrical Ignition Systems.** Third term, 3 hours.

Study of the various types of electrical ignition systems from a theoretical standpoint; storage batteries, magnetos, and generators as sources of electromotive force; alternating and direct current systems compared. Prerequisites: Ph 111, 112, 113. Two recitations; 1 three-hour laboratory period.

EE 403. **Thesis.** Any term, 3 hours each term.

Elective on approval to undergraduates whose records indicate ability to initiate and complete special projects.

EE 407. **Seminar.** Any term, 1 hour each term.

Presentation of abstracts and discussion of articles in the current electrical periodicals. One recitation.

EE 411, 412, 413. **Electrical Engineering.** Three terms, 3 hours each term.

An analysis of electric-power generation, transmission, and distribution with special reference to the economic and financial problems involved. Three lectures.

EE 414, 415, 416. **Electrical Design.** Three terms, 1 hour each term.

Design and computations supplementary to courses EE 401. One three-hour period.

EE 421. **Electrical Laboratory.** First term, 3 hours.

Alternating-current machinery and apparatus testing to determine the characteristics. The generation, regulation, conversion, and rectification of alternating currents are given special consideration and study with both indicating instruments and the oscillograph. One four-hour laboratory period.

EE 422, 423. **Electrical Laboratory.** Second, third terms; 3 hours each term.

A study of alternating-current apparatus and circuits, including the transformer, the induction motor, the induction generator and the analysis of complex alternating-current waves taken in the laboratory by the method of Fourier. One four-hour laboratory period.

EE 431. **Electric Lighting.** First term, 3 hours.

Study of electric lamps and their application to exterior and interior illumination. Three recitations.

EE 432. **Industrial Lighting.** Second term, 3 hours.

Problems in the application of illumination to industrial conditions. One lecture; 2 recitations.

EE 442. **Electrical Transportation.** Second term, 3 hours.

Study of the application of electricity to street and interurban railways; traffic conditions; rolling stock; speed time curves. Three recitations.

EE 443. **Railway Electrification.** Third term, 3 hours.

A study of factors governing the electrification of trunk lines. Three lectures.

EE 451. **Electrical Transients.** First term, 3 hours.

A theoretical and experimental study of both direct and alternating-current single energy and double energy transients in circuits and machines having both fixed and variable circuit constants. One lecture; 1 recitation; 1 four-hour laboratory period.

EE 452, 453. **High Voltage Engineering.** Second, third terms; 3 hours each term.

The study and experimental investigation of high voltage and high frequency phenomena; special attention to insulation and corona problems as applied to transmission. Two lectures; 1 four-hour laboratory period.

EE 455. **Electrical Characteristics of Transmission Circuits.** Second or third term, 3 hours.

A theoretical and experimental study of the electrical characteristics of high voltage transmission circuits. A comparison of approximate methods with the rigorous solutions by convergent series and by hyperbolic functions. Two lectures; 1 three-hour laboratory period.

EE 461. **Communication Laboratory.** First term, 3 hours.

An investigation of fundamental electric circuits and apparatus at frequencies, currents, and voltages used in communication, including a study of artificial lines and electric filters. One four-hour laboratory period.

EE 462. **Electrical Communication.** Third term, 3 hours.

A general study of electrical communication with special attention to voice and carrier frequency, telephone problems, transmission theory, inductive interference, and related subjects. Three lectures.

EE 463. **Electron Tubes and Circuits.** First term, 3 hours.

A study of vacuum tubes, photo-electric cells, and similar electronic devices, and their uses in electrical circuits. Two lectures; 1 three-hour laboratory period.

EE 465. **Engineering of Sound Systems.** Third term, 3 hours.

A study of the methods and apparatus used in electrical recording, reproduction, and amplification of both speech and music. Two lectures; 1 three-hour laboratory period.

EE 473. **Electrical Problems.** Third term, 2 hours.

Problems designed to review fundamental laws and methods, to correlate courses previously studied, and to apply these to engineering conditions. One two-hour computation period.

GRADUATE COURSES

EE 501. **Graduate Study and Research.** Terms and hours to be arranged.

Advanced studies in the science or technology of electrical engineering. Comprehensive reports indicating a thorough mastery of the fields studied are required in each case.

EE 503. **Graduate Thesis.** Terms and hours to be arranged.

Original problems of a research nature chosen by the student or suggested by the department are studied and reported upon in thesis form.

Highway Engineering

THE curriculum in Highway Engineering is offered as an option in the Civil Engineering Curriculum and is differentiated from that curriculum only in the senior year. The purpose of these courses is to meet the demand in this state and throughout the Northwest for men equipped to take charge of road and street construction and maintenance work.

Thorough theoretical instruction is accomplished by as much laboratory and field practice as possible. In the study of highways, special reference is made to the conditions and needs of Oregon. Besides study of the higher types of roads, due consideration is given to the construction and maintenance of earth, gravel, and broken-stone roads. In consequence of the vast area of the state, this class of roads must, of necessity, constitute the greater part of its highways for many years.

Equipment. The equipment of the department is modern and adequate. The department of Mechanics and Materials is equipped with modern testing laboratories, including the best cement and highway-testing machinery, thus affording students in Highway Engineering the opportunity of studying by direct observation and experiment the strength and properties of the various engineering materials.

DESCRIPTION OF COURSES

UPPER DIVISION COURSES

HE 313. **Roads and Pavements.** Third term, 4 hours.

A study of the fundamental principles of location, construction, and maintenance of roads; materials used in road and street building; asphalt, brick, wood block, stone, concrete, and other types of pavements. This course is given in connection with the laboratory course MM 311. Four recitations.

HE 411. **Highway Engineering.** First term, 4 hours.

Economic grades and proper location for different soils and surfacing materials; surface and subsurface drainage; culvert design and construction; construction and maintenance of earth, sand-clay, gravel, macadam, concrete, brick and other types of roads; dust preventives and road binders; reconnaissance, surveys, estimates, plans, and specifications; organization of construction and engineering forces; cost data; methods of handling work. Prerequisite: HE 313. Two recitations; 2 three-hour laboratory periods.

HE 412. **Highway Engineering.** Second term, 3 hours.

Continuation of HE 411. Two recitations; 1 three-hour laboratory period.

HE 413. Highway Engineering. Third term, 4 hours.

Continuation of HE 411 and 412. Two recitations; 2 three-hour laboratory periods.

HE 416. Economics of Highway Construction. Second term, 3 hours.

Economic and social advantages of improved roads; the traffic census; local and centralized systems of control; highway laws of different states, organization of construction and engineering forces; cost data; estimates; methods of handling work; forms of contract. Three recitations.

HE 417. Highway Transportation. First term, 3 hours.

A study of the various methods of highway transportation with especial reference to cost. Prerequisite or parallel: HE 411. Three recitations.

HE 427. Contracts and Specifications. Any term, 3 hours.

A study of the general principles and laws of contracts as applied to engineering, including preparation and study of specifications and contracts based upon the latest and best engineering practice. Three recitations.

HE 438. Municipal Engineering and City Planning. Third term, 3 hours.

The modern city streets, boulevards, and transportation systems; drainage and sanitation; water supply; lighting. A course of lectures and assigned readings. Three recitations.

Industrial Arts

It is the purpose of this department to aid in the promotion of industry through providing technical training for those who plan to enter industrial careers as well as for those who plan to teach industrial arts subjects in the public schools. The work of the department, in meeting these aims and purposes, falls under three main fields of training:

- (1) **Industrial Arts Education:** Training teachers of industrial subjects.
 - (a) Industrial arts.
 - (b) Trades and industries.
- (2) **Industrial Administration:** Training for junior executives in industry.
 - (a) Technical operations.
 - (b) Production management.
- (3) **General Industrial Shop Work.**

Training in technical operations and the technology of industrial processes is fundamental in all three fields and forms the main part of the work of the first two years in groups (1) and (2) above. Each of these two

fields of major choice offers a great number of specific objectives through different avenues of training.

The Curriculum in Industrial Arts Education is designed to give the type of training required for successful teaching in the public schools and for entrance into college teaching. The work of the last two years is given over mainly to the science and philosophy of education and to applied principles of pedagogy. These courses are based upon and interpreted through the technical background formed during the first two years. While a strong motivating thread of technical training is present throughout the four-year curriculum, the work of the junior and senior years is outstanding in the opportunities created for election of both technical and non-technical subjects that will meet the needs of individual students following different avenues of training.

The Curriculum in Industrial Shop Administration follows that of General Industrial Arts for the first two years. Specialization during the junior and senior years involves further study of the basic sciences, industrial organization and management, labor problems, cost accounting, and production control. This curriculum is designed to meet the increasing demand for workers in industry who are trained in the basic sciences and in the fundamentals of industrial organization and management, and who, through their knowledge of technical and industrial operations, can work quickly and efficiently into junior executive positions. Provision is made for election of both technical and non-technical subjects that will meet the needs of individual students.

Facilities. The department of Industrial Arts is housed in the Mechanic Arts Building and the Foundry, both being modern, well-lighted structures, with a combined floor space of approximately twenty-five thousand (25,000) square feet. The principal subdepartments are Mechanical Drawing, Woodwork and Furniture Construction, Millwork in Wood, Wood Finishing, Pattern Making, Foundry, Forging and Welding Shop, Machine Shop, and Sheet Metal. Each of these subdepartments is provided with individual shops of ample size and is carefully equipped along the most modern and approved lines. These strictly departmental facilities are reinforced through the facilities and equipments of other departments, such as Art and Architecture, Technical Forestry, Mechanics and Materials, the basic sciences, etc., and the Corvallis Public Schools, all of which contribute toward the enrichment of curricula and opportunities for Industrial Arts students. The supervised teaching for those majoring in Industrial Arts Education is done in the Corvallis Public Schools. The program for the last two years of work is administered jointly with the department of Industrial Education (*see* School of Education).

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

IA 111, 112. **Methods in Woodworking.** First, second terms; 3 hours each term.

A course in woodworking, with special reference to technique, applied design, and craftsmanship in new and individual projects.

Primarily an elementary course, with incidental reference to course outlines and methods of teaching. One lecture; 6 laboratory periods.

IA 142. Foundry Practice. Second term, 3 hours.

Green- and dry-sand molding, core making, melting and mixing of iron and cupola management, with suggestions for courses of study and teaching. Three three-hour laboratory periods.

IA 151. Forging. First term, 3 hours.

Exercises and projects in bending, shaping, upsetting, and welding of iron; hardening and tempering steel; brazing and elementary acetylene and electric welding. Suggestions for care of equipment and for organization of instructional material. Three three-hour laboratory periods.

IA 163. Machine Shop. Third term, 3 hours.

Exercises and projects involving instruction on bench work, the engine lathe and drill press, with suggestions for courses of study and teaching. Three three-hour laboratory periods.

IA 213. Furniture Construction Drawing. First term, 2 hours.

A study of types and periods of furniture and an application of the principles of design to the technique of furniture and cabinet drawing. Prerequisites: GE 112, AA 295 or equivalent. Six laboratory periods.

IA 220. Wood Turning. Third term, 2 hours.

Thorough instruction in tool processes and lathe technique, executed through the designing, turning, and finishing of individual projects of merit. Prerequisite: IA 112. Six laboratory periods.

IA 221. Wood Turning. Any term, 1 hour.

Advanced course. A continuation of IA 220. Emphasis upon more intricate cuts and turning processes, special chucking devices and fancy turning. Prerequisite: IA 220. One three-hour laboratory period.

IA 222. Wood and Metal Finishing. Second term, 2 hours.

A study of materials, processes, and methods of application of finishes for both wood and metal surfaces; both brush and spray application of all types of finishing materials; special attention to the modern lacquer finishes (including Duco) for both furniture and automobile work. Prerequisite: IA 112 or equivalent. Six laboratory periods.

IA 223. Carpentry. Third term, 3 hours.

The fundamentals of house carpentry, involving discussions of forms and foundations and the practical application of problems in framing, use of steel square, exterior and interior finish, and estimating. Prerequisite: IA 112. One lecture; six laboratory periods.

IA 224. Upholstering and Seat Weaving. Second term, 2 hours.

A study of typical cases of upholstering, including foundations with and without springs. Seat and panel weaving with cane and fiber. Prerequisite: IA 112 or equivalent. Six laboratory periods.

IA 225. Machine and Tool Maintenance (Wood Shop). First term, 2 hours.

Methods of care and maintenance of woodworking tools, machines and supplementary equipment. Band saw brazing, saw sharpening, sharpening and setting of planer, jointer, tenoner and shaper knives and the repair and maintenance of hand tools. Prerequisite: IA 112. Six laboratory periods.

IA 226. Fiber Furniture Weaving. Second term, 2 hours.

The construction of frames and the weaving of art fiber furniture, with suggestions for the use of this material in public school teaching. Prerequisite: IA 112 or equivalent. Six laboratory periods.

IA 231. Pattern Making. Third term, 3 hours.

Thorough technical instruction and careful execution in the fundamentals of pattern making, with emphasis upon the relation of pattern making to drafting, design, foundry and machine-shop operations. Formulation of course outlines and discussion of methods of teaching pattern making. Prerequisite: IA 112. One lecture; 6 laboratory periods.

IA 232. Pattern Making. Any term, 2 hours.

Advanced course. A continuation of IA 231, emphasis being placed upon the solution of problems confronted in the making of patterns for more complicated machine parts and upon factors influencing production cost of these parts. Six laboratory periods.

IA 240. Foundry Practice. Any term, 2 hours.

Principles of foundry practice; use and care of cupolas; mixing and melting of iron; molding in green and dry sand; preparation of cores. Strictly commercial practice on a production basis. Also includes discussion of pattern requirements. Intended primarily for Engineering students. Not open to Industrial Arts majors. Six laboratory periods; 3 lectures during term, to be arranged.

IA 242. Foundry Practice. First or third term, 2 hours.

Advanced course. A continuation of IA 142 or IA 240, with emphasis on more advanced processes and a study of production costs. Six laboratory periods.

IA 243. Brass and Alloy Foundry. First or third term, 1 hour.

Practice in brass and alloy foundry and the compounding of simple alloy mixtures. Prerequisite: IA 142 or 240. One three-hour laboratory period.

IA 250. Forging and Welding. Any term, 2 hours.

Principles and practice of forging and welding, including gas, electric, thermit, and hammer welding, in line with modern manufacturing processes. Intended primarily for Engineering students. Not open to Industrial Arts majors. Six laboratory periods; 3 lectures during term to be arranged.

IA 252. **Blacksmithing.** First or third term, 2 hours.

Advanced course. A continuation of IA 151 or IA 250, with emphasis on farm blacksmithing and repair problems. Six laboratory periods.

IA 253. **Ornamental Iron Work.** Second or third term, 2 hours.

Craftsmanship in wrought iron work. The designing and making of wrought iron furnishings, lamps, light fixtures, etc. Prerequisite: IA 151 or IA 250. Six laboratory periods.

IA 254. **Forging and Heat Treating.** Second term, 2 hours.

A study of methods and materials for heat treating and the practical application of the principles of hardening, tempering, annealing and case hardening through exercises and through tool making and repair. Prerequisite: IA 151 or IA 250. Six laboratory periods.

IA 260. **Machine Shop Practice.** Any term, 2 hours.

Exercises and projects involving the use of the drill press, lathe, shaper, planer, and milling machine. A first course in methods and technical procedure. Designed for Engineering students. Not open to Industrial Arts majors. Six laboratory periods; 3 lectures during term, to be arranged.

IA 261. **Machine Shop Practice.** Second term, 2 hours.

A continuation of IA 260 or IA 163. Involves more advanced operations in machine shop production. Prerequisite: IA 163 or 260. Six laboratory periods.

IA 264. **Machine Shop.** Third term, 2 hours.

Milling machine operation and advanced problems in lathe, shaper, and planer work. Prerequisite: IA 261. Six laboratory periods.

IA 265. **Machine and Tool Maintenance (Machine Shop.)** First term, 2 hours.

Methods of care, repair, and maintenance of machine shop tools, machines and equipment. Designing and making of special tools and jigs and the grinding of milling machine cutters. Prerequisite: IA 163 or 260. Six laboratory periods.

IA 280. **Sheet Metal Work.** Third term, 3 hours.

Exercises and projects suitable for sheet metal work instruction for public school teaching, including sheet metal pattern drafting and technical operations. Suggestions for course outline and methods of teaching. Prerequisite: GE 112. One lecture; 6 laboratory periods.

UPPER DIVISION COURSES

IA 311. **Mill Work—Machine Woodwork.** First term, 3 hours.

A production course in machine woodworking in which jobs are selected and the class personnel so organized that the work follows closely those methods used in factory production. Prerequisites: IA 111, 112. Three three-hour laboratory periods.

IA 312, 313. **Furniture Construction.** Second, third terms; 2 hours each term.

The designing and construction of furniture and cabinet work, according to the needs and ability of the individual student. Prerequisites: IA 311, AA 295. Six laboratory periods.

IA 325. **Home Mechanics Shop.** Second term, 2 hours.

Problems and projects suitable for use in the teaching of the home mechanics type of general shop with practice in the performance of typical jobs ordinarily included in this type of public school teaching. Suggestions for subject-matter organization. Prerequisite: 1Ed 473 parallel. Six laboratory periods.

IA 350. **Welding Practice.** Second or third term, 1 hour.

Advanced course. A study of the problems of electric and acetylene welding, with reference to intricate and specialized operations. Conducted upon an investigational basis. Prerequisite: IA 151 or 250. One three-hour laboratory period.

IA 360. **Motor Maintenance.** Second term, 3 hours.

Automobile and electric motor maintenance. Cylinder grinding and reboring, fitting of new pistons and rings, and other maintenance jobs requiring the use of machine shop equipment and methods. Prerequisite: IA 163 or 260. One lecture; 6 laboratory periods.

IA 363. **Production Machine Work.** First term, 3 hours.

A study of industrial organization and production management. Factors influencing production, scheduling, planning, routing, dispatching, inspection, and costs, illustrated by an application of modern production methods through quantity manufacture of some appropriate machine shop project. Prerequisite: IA 261. One lecture; 6 laboratory periods.

IA 370. **Practical Electricity.** First term, 3 hours.

Electrical wiring problems, including signal, light, and power circuits, and a study of underwriter's specifications for electrical installation. Prerequisite: Ph 203 or equivalent. One lecture; 1 recitation; 6 laboratory periods.

IA 374. **Automotive Electricity.** First term, 2 hours.

Lighting, starting, and ignition systems of the automobile, including development of fundamental principles of operation, remedial measures for faulty operation, and the mechanics of upkeep and repair. Prerequisite: AE 281 or equivalent. One lecture; 4 laboratory periods.

IA 411. **Shop Planning and Organization.** Third term, 3 hours.

A discussion of shop and shop types and the drawing of shop plans for secondary school purposes. Prerequisite: Ed 315 parallel, or teaching experience. One lecture; 6 laboratory periods.

Mechanical Engineering

THE curriculum in Mechanical Engineering is planned to prepare young men for useful and responsible positions in power plants, various manufacturing enterprises, oil refining, automobile factories, steel industries, heating and ventilation, refrigeration, air conditioning, and aeronautics. It is differentiated from curricula of other engineering courses in its emphasis on transformation of heat energy from fuels into mechanical energy and in the application of the principles of mechanism, mechanics, and strength of materials to design and construction of machinery. Because of the distinctive character of the dynamic and structural principles underlying aeronautical developments, a special option in aeronautical engineering is offered.

Equipment. The department has drafting and computing rooms equipped with the necessary desks, boards, and lockers. The departmental laboratories are equipped for tests and demonstrations in steam, gas, and aeronautical engineering. They are housed in the Engineering Laboratory.

The steam laboratory is equipped with two turbines and three engines each of approximately the same capacity, but of different types. These are installed in such a way that complete tests for economy and efficiency can be made. Three other steam engines are permanently installed and are used for the more elementary work in steam engines. A horizontal water tube boiler furnishes the steam for laboratory purposes and for heating the building and is provided with the necessary facilities for testing. The college heating plant consisting of three 5,000-square-foot boilers and necessary auxiliaries is also provided with testing facilities.

The gas engine laboratory contains a stationary single-cylinder gasoline engine, two semi-Diesels, a three-cylinder solid-injection full Diesel connected to generator, fully equipped for testing; a four-cylinder 120-horsepower two-cycle oil engine fully equipped for testing; also a 100-horsepower Sprague electric dynamometer, and automobile engines installed with necessary facilities for complete tests for economy and efficiency. Several other gas engines are available for the more elementary work. Several thousand dollars are invested in accessories, auxiliaries, and instruments for testing and analysis of tests.

The aeronautical laboratory includes a selection of modern aircraft engines, both air and water cooled; a complete airplane of the navy fighter type; and numerous wing panels, tail surfaces, instruments, and miscellaneous airplane parts. A small water channel for the study of fluid flow is also available.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

ME 211. Descriptive Geometry. First term, 3 hours.

Theory and problems on the projection of points, lines, surfaces, and solids. An effort is made to make the work as practical as possible and to reveal to the student its value in solving drafting-room problems. One recitation; 2 three-hour drawing periods.

ME 213. Mechanism. Second term, 3 hours.

A study of mechanical movements, including velocity ratios, transmission of motion by link work, gearing, cams, and belting. One recitation; 2 three-hour laboratory periods.

ME 221, 222, 223. Heat Engineering. Three terms, 2 hours each term.

An introductory course in the principles of heat, dealing with the gas laws, fuels, and properties of steam; characteristics of operation of the steam engine and internal combustion engine; special attention to the underlying theory of heat laws. Prerequisites: GE 101, 102, 103. Two recitations first and second terms; 1 recitation, 1 three-hour laboratory period third term.

ME 225. Elementary Heating and Ventilating. First term, 3 hours.

The fundamental principles of heating and ventilating systems for homes and industrial buildings; fuels, combustion, draft, radiation; fresh air requirements, etc.; hot air, hot water, steam and vapor systems compared and designed; stress placed upon cost, efficiencies, and utility of installations. Prerequisites: Elementary chemistry and physics. One lecture; 2 three-hour laboratory periods.

ME 242. Elements of Machine Design. Second term, 3 hours.

An introductory course in machine design. Simple designs; design drawing; application of the principles of descriptive geometry to the solution of problems; calculations of machine stresses; kinematics. One recitation; 2 three-hour drafting periods.

ME 243. Machine Drawing. Third term, 3 hours.

Application of the elements of machine design through the designing and drawing of machine parts, jigs, and special fixtures. Given in cooperation with the machine shop and intended primarily for Industrial Arts students. One recitation; 2 three-hour drafting periods.

UPPER DIVISION COURSES

ME 321, 322, 323. Heat Engineering. Three terms, 3 hours each term.

Thermodynamics of gases, gas cycles, air compressor cycles, vapors, special properties of steam, refrigerants, etc. A technical consideration of various heat cycles as related to steam-driven units and to internal combustion engines. Prerequisites: Mth 203 or 206, Ph 113. Two recitations; 1 three-hour laboratory or problem period.

ME 331, 332. Heat Power Engineering. First, second terms; 3 hours each term.

A brief descriptive survey of the heat power plant and principal auxiliaries; study of the physical properties and laws of gases; their application to the air compressor, air motor, automobile engine, and Diesel engine; introduction to study of vapors, use of steam tables, humidity, steam cycles; a flow sheet for a modern central station sketched; function of each piece of equipment; study of fuels, combustion, evolution of the boiler furnace, types and characteristics of boilers, furnace and boiler efficiency, superheaters, economizers, air pre-

heaters, feed water heaters, condensers, heat transfer, flow of gases and vapors, steam turbines, and power plant piping. Prerequisites: Mth 203 or 206, Ph 113. Two recitations; 1 three-hour computation or laboratory period.

ME 333. Heat Power Engineering. First term, 3 hours.

Continuation of ME 332. Principally laboratory work involving operation and testing of steam boilers, steam turbines, steam engines, gas and air machinery. Special attention is given to latest practice and standard methods of testing power machinery, study of instruments used in testing, and their proper application. One recitation; 1 three-hour laboratory period.

ME 343. Aerodynamics. Third term, 3 hours.

Fundamental laws of aerodynamics. Airfoils and airfoil combinations. Factors affecting stability, control, and performance. Prerequisite: junior standing. Three recitations.

ME 345. Steam, Air, and Gas Power. Second term, 3 hours.

A course adapted to the needs of Civil Engineering students. Elementary principles of thermodynamics; properties of steam; fuels and their combustion; boilers; and auxiliaries. Two recitations; 1 two-hour computation period.

ME 346. Steam, Air, and Gas Power. Third term, 3 hours.

Performance and operation of internal combustion engines; steam turbines, steam engines; fans, blowers, and air compressors. Various laboratory tests are made. Two recitations; 1 three-hour laboratory period.

ME 351, 352, 353. Mechanical Engineering Laboratory. Three terms, 2 hours each term.

A detailed study of the instruments and apparatus required for testing steam, gas, and air machinery; including the calibration and correction of pressure and vacuum gages; indicators; planimeters; draft gages; air measurement; steam calorimeter, valve setting; and elementary tests of various engines for economy and mechanical efficiency. One recitation; 1 three-hour laboratory period. Prerequisite: ME 321.

ME 403. Thesis Any term, 3 hours.

Elective on approval to undergraduates whose records indicate ability and initiative to complete special projects.

ME 407. Seminar. Any term, 1 hour each term.

Practice in effective writing and speaking on engineering and allied subjects. Preference is given to the discussion of new developments in the field of mechanical engineering. The work supplements that of the prescribed courses. Elective.

ME 411, 412, 413. Machine Design. Three terms, 3 hours each term.

Three terms of work covering application of the principles of mechanism, mechanics and strength of materials to design of machine

elements. Problems involving riveted joints; screws; shafts and shafting; belt and rope drive; pulleys; gearing; bearings; machine frames; analysis of force and energy problems; fly-wheels; engine balancing; computations and drawings necessary to the design of one or more complete machines. Prerequisite: MM 353. One recitation; 2 three-hour design periods.

ME 421. Aero Propulsion. First term, 3 hours.

Study of screw propeller theories; factors influencing choice of engines, propellers, and power plant accessories for specific airplane; power plant installation. Prerequisite: ME 343. Two recitations; 1 three-hour laboratory period.

ME 425, 426. Airplane Design. Second, third terms; 3 hours each term.

Design of airplanes for specific duties. Estimation of weights, balance, stability, and performance. Computation of loadings and design of major structural parts. Prerequisite: ME 343. One recitation; 2 three-hour laboratory periods.

ME 431, 432. Power Plant Engineering. First, second terms; 3 hours each term.

Detailed study of the principles involved and the construction and operation of power plant equipment; engines; turbines, boilers; condensers; heaters; water and vacuum pumps; stokers, furnaces, and combustion of fuels. Proper location of plant, selection of equipment for given conditions, and methods of determining fixed charges and operating cost. Design of a complete power plant in which special stress is placed on the economical selection of power plant apparatus. Prerequisite: ME 323. Three recitations.

ME 441, 442, 443. Fuel Engineering. Three terms, 3 hours each term.

Technical study of fuels, involving their origin, physical and chemical properties; careful study of the composition of solid, liquid, and gaseous fuels relating to their quality and adaptability for commercial use; the laws governing their combustion; coal carbonization, both high and low temperature methods; application of fuels to industry stressed. Especially designed to supplement the work in fuels as given in earlier courses and is an advanced treatment of the entire subject of fuel technology. Prerequisite: ME 323.

ME 451, 452. Engineering Laboratory. Two terms, 2 hours each term.

A detailed study of mechanical equipment and processes by the method of laboratory tests and analysis of test results. Efficiency and economy tests and operating characteristics of steam, gas, and oil engines; steam turbines; steam pumps; boilers; fans and blowers; heating and ventilating equipment; compressed air and refrigerating machinery. The A. S. M. E. Power Test Code is used as a laboratory manual. Prerequisite: ME 353. Four periods laboratory work.

ME 461. Heating and Ventilating. Third term, 3 hours.

Study of modern methods of heating and ventilating; approved systems of heating by means of air, steam, and hot water; methods of

DESCRIPTION OF COURSES

UPPER DIVISION COURSES

MM 311. Materials of Engineering. Any term, 3 hours.

A lecture and laboratory course on the materials of engineering construction with special reference to the methods and specifications adopted by the American Society for Testing Materials and other national engineering organizations. The laboratory program is varied somewhat for the students from different departments to include tests on those materials of special interest to them; for example, Civil Engineering students do special work on highway materials, Forestry students on timber, etc. Elective to suitably prepared students. One lecture; 1 three-hour laboratory period.

MM 351. Mechanics (Statics). First or second term, 3 hours.

Applied mechanics for engineering students; forces and force systems with reference to the equilibrium of rigid bodies, including simple framed structures; methods of finding centers of gravity and moments of inertia and their practical applications; numerous problems having engineering application. Prerequisites: differential and integral calculus. One recitation; 2 two-hour computing periods.

MM 352. Mechanics (Dynamics). Second or third term, 3 hours.

A continuation of MM 351 dealing with principles and problems in kinetics; force as a factor causing motion; work, energy, friction, and impact studied and illustrated by means of numerous problems. Prerequisite: MM 351. One recitation; 2 two-hour computing periods.

MM 353. Strength of Materials. Second or third term, 3 hours.

In this course the general principles of mechanics are applied to the elements of engineering structures to determine their strength and fitness. Some of the features are tensile and crushing strength of various engineering materials; stresses in beams and girders under different systems of loading and support; supporting strength of columns; application of torsion to shafts in transmission of power. Students are required to solve numerous practical problems. Prerequisite: MM 351. One recitation; 2 two-hour computing periods.

MM 354. Strength of Materials. First term, 4 hours.

Similar to MM 353. For Civil Engineering students. Prerequisite: MM 351. Two recitations; 2 two-hour computing periods.

MM 403 Thesis. Any term, 3 hours each term.

Elective on approval to undergraduates whose records indicate ability to complete a satisfactory thesis.

MM 421. Materials Testing. First term, 3 hours.

An extension of the subject-matter and methods of MM 311 to include impact, hardness, wear, and repeated stress testing on metals, cement testing, and testing of concrete and ceramic products. Prerequisite: MM 311. One lecture, 1 four-hour laboratory period.

MM 426. Highway Materials Laboratory. First term, 3 hours.

Designed particularly for those specializing in Highway Engineering. Different roads and paving materials and binders are tested and their relative values determined. Sheet asphalt mixtures and bituminous mortars are studied to determine the effects of various changes in the grading of the aggregates. Finally, samples of various types of roads and pavements are analyzed for density, composition, and grading, with special reference to their conformity with specifications. Assigned references. One lecture; 1 four-hour laboratory period.

MM 427. Structural Laboratory. Second term, 3 hours.

An advanced laboratory course on plain and reinforced concrete beams and columns to study methods of reinforcing. Design of concrete mixtures. Stress distribution under unsymmetrical loads. Riveted and welded joints. Thermal conductivity of concrete. Study of stresses in structures by strain gage. Prerequisite: MM 311. One lecture; 1 four-hour laboratory period.

MM 441. Fuel and Lubricant Testing. First or second term, 3 hours.

A lecture and laboratory course covering the properties and testing of fuels, and of materials such as oils, bearing metals, etc., used in power transmission. Designed particularly as an elective course for Mechanical and Electrical Engineering students. Assigned readings and reports. Prerequisite: MM 311. One lecture; 1 four-hour laboratory period.

MM 451. Applied Elasticity. Third term only, 3 hours.

Methods of stress analysis in statically indeterminate machine elements, and problems involving thermal effects, impact loading, and vibration phenomena are some of the phases of the subject covered. Prerequisites: MM 351, 352, 353. One lecture, 2 one-hour recitations.

MM 481. Metallography and Pyrometry. Any term, 3 hours.

Lectures and laboratory work designed to give a working knowledge of the methods of study of structure of metals and alloys; particular attention given to correlation of thermal and mechanical treatment with structure and physical properties of iron and steel; calibration and use of various types of pyrometers; laboratory experiments in heat treatment; preparation of specimens; etching; studying structure under the microscope; making photomicrographs; physical tests, whenever possible, to show the effects on strength, ductility, hardness, or other mechanical properties of the different thermal treatments or other industrial processes. Prerequisite: MM 311. One lecture; 1 four-hour laboratory period.

MM 482. Metallography. Third term only, 3 hours.

Study of alloy equilibrium diagrams; preparation of difficult specimens; high power photomicrography; correlation of thermal, electrical and magnetic properties of iron and some of its alloys with microstructure; dilatometry as related to heat-treatment; study of structure and treatment of special steels and other alloys. Prerequisite: MM 481. One lecture, 1 four-hour laboratory period.

GRADUATE COURSES

MM 501. Graduate Study and Research. Terms and hours to be arranged.

An opportunity is given for suitably prepared students interested in research to work out original problems. These may be either of their own choosing or suggested by the department, and may consist of any subject within the scope of the department laboratories. Prerequisites: must be approved in each case, and will vary according to the work proposed.

MM 503. Graduate Thesis. Terms and hours to be arranged.

Original problems of a research nature chosen by the student or suggested by the department are studied and reported upon in thesis form.

MM 507. Research Seminar. Three terms, 1 hour each term.

A discussion of research problems and projects of the Engineering Experiment Station; critical reviews of developments in the fields of science and technology. Prescribed by all major engineering departments in graduate curricula.

Mining Engineering

MINING engineering courses are organized to train young men in those fundamental principles of engineering technology which are basic and common to the fields of ore excavation (mining), ore dressing (beneficiation), and smelting (metal production)—the whole field, in fact, of the mineral industry. The mining engineer in the West is generally concerned with the problems of producing and marketing the ores of the precious and base metals, but the training offered is broad enough to enable graduates to qualify in many different fields in the non-metallic phases of the mineral industry.

The School of Mines was discontinued by action of the State Board of Higher Education March 7, 1932. By authority of the Board the curriculum in mining engineering was transferred to the School of Engineering to permit seniors of 1932-33 to complete the work for their degrees.

Equipment. The department occupies jointly with the chemical engineering and geology departments a three-story and basement building known as the Mines Building which was designed especially to house the lecture rooms and laboratories devoted to mining, metallurgy, ore dressing, and closely allied subjects. The assaying and metallurgical laboratories occupied jointly with chemical engineering are completely equipped with the necessary apparatus for efficiently conducting experimental metallurgical operations, crushing, and grinding. Ore-dressing laboratories affording modern metallurgical testing equipment are located in the basement. Adequate class and drafting room facilities are available in this building.

The scientific and economic geology necessary to complete the mining engineer's training are taught in the same building under the direction of the Department of Geology, as described elsewhere in this catalog under School of Science.

COURSES IN METALLURGY

LOWER DIVISION COURSES

Met 163. **Mineral Industry Survey.** Third term, $\frac{1}{2}$ hour.

An introductory course including engineering problems and constituting an integral part of a general survey of our mineral resources. Planned with special reference to freshmen planning to major in mining engineering. Prerequisite: MIE 142. One lecture.

Met 263. **Assaying.** Third term, 3 hours.

Commercial methods of wet and dry assay ores, metallurgical products. Prerequisite: Ch 232 or equivalent. One recitation; 2 three-hour laboratory periods.

UPPER DIVISION COURSES

Met 361, 362. **Fire Assaying.** First and second terms, 2 hours each term.

Testing reagents; sampling ores; fire assay methods for precious and base metals; bullion assays. Prerequisite: Ch 232 or equivalent. Two three-hour laboratory periods.

Met 381, 382. **Ore Dressing.** First and second terms, 3 hours each term.

The principles of crushing and concentrating ore minerals; various treatment processes. Prerequisites: G 201, 202, 202, or their equivalent. Three recitations.

Met 383. **Ore Dressing.** Third term, 3 hours.

(Advanced course.) Continuation of Met 382. Prerequisites: Met 381, 382; Ch 232, 340. Two recitations; 1 three-hour laboratory period.

Met 461. **General Metallurgy.** First term, 3 hours.

An introduction to general metallurgy. Properties of metals, alloys, fuels, refractories; pyrometallurgy, hydrometallurgy, electrometallurgy; general operations. Prerequisite: Ch 232; G 201, 202, 203, or equivalents. Three recitations.

Met 462. **Metallurgy of the Base and Precious Metals.** Second term, 4 hours.

Metallurgy of gold, silver, copper, lead, and zinc. Short course in iron and steel included. Prerequisite: Met 461. Four recitations.

Met 463. **Hydrometallurgy.** Third term, 2 hours.

Theory and practice in leaching of ores and the precipitation of metals from solution. Prerequisite: Met 462. One recitation; 1 three-hour laboratory period.

Met 473. **Metallurgy of Iron and Steel.** Third term, 2 hours.

(Advanced course.) Prerequisite: Met 462. One recitation; 1 three-hour laboratory period.

Met 481. **Metallurgy of the Minor Metals.** First term, 3 hours.

Metallurgy of mercury, aluminum, chromium, tin, nickel, cobalt, arsenic, antimony, bismuth, tungsten, manganese, vanadium, and molybdenum. Prerequisites: Ch 232 or equivalent; G 201, 202, 203; Met 381, 382. Two recitations; 1 three-hour laboratory period.

Met 482. **Metallurgical Design.** Second term, 3 hours.

Detailed study of metallurgical practice and operation. Laboratory work on flowsheets, design problems. Prerequisites: Met 462, 481. Two recitations; 1 three-hour laboratory period.

Met 483. **Electrometallurgy.** Third term, 3 hours.

Study of electrolytic and electrothermic practice; recovery and purification of metals by electrical methods. Prerequisites: EE 351, 352, 353; Met 462, 482. Two recitations; 1 three-hour laboratory period.

Met 491, 492. **Ore Dressing Laboratory.** First and second terms, 3 hours each term.

Laboratory work in connection with Met 381, 382, 462. Prerequisites: Met 263, 361, 362, 381, 382. One seminar period; 4 two-hour laboratory periods.

COURSES IN MINING ENGINEERING

LOWER DIVISION COURSES

MiE 142. **Mineral Industry Survey.** Second term, $\frac{1}{2}$ hour.

An introductory course including engineering problems and constituting an integral part of a general survey of our mineral resources. Planned with special reference to freshmen planning to major in mining engineering. One lecture.

MiE 243. **Excavation, Explosives, and Blasting.** Third term, 3 hours.

A course dealing with special methods of surface excavations. Three recitations.

UPPER DIVISION COURSES

MiE 343. **Mining Machinery, General Mining Operations.** Third term, 3 hours.

A study of machinery and equipment required in mining operations and their application to specific field uses. Students should consult with the staff before registering. Prerequisites: GE 111, 112, 113. Three recitations.

MiE 353. **Mine Surveying.** Third term, 3 hours.

Thorough consideration of surveying problems met with in mining engineering practice. Determination of true meridian. Includes two weeks of field work at end of term in actual mining survey work. Prerequisites: CE 221; GE 111, 112, 113. Two recitations; 1 three-hour laboratory period.

MiE 407. Mining Engineering Seminar. Any term, 1 hour each term.

For senior students in Mining Engineering. Discussion of current problems, practices, developments, trends. One period.

MiE 441. Mining Methods. First term, 4 hours.

General considerations involved in choice of methods used to develop and mine mineral deposits. Open only to junior or senior Mining Engineering students on approval of staff. Prerequisites: GE 111, 112, 113. Four recitations.

MiE 442. Mining Engineering. Second term, 3 hours.

Continuation of MiE 441 with reference to correlation of various operations involved, ventilation, transportation, drainage, power plant design, mining law, etc. Prerequisite: MiE 441 or equivalent. Three recitations.

MiE 443. Mining Engineering. Third term, 3 hours.

Continuation of MiE 442. Detailed consideration of problems in mine management and operation. Problem analysis. Prerequisite: MiE 442 or equivalent. One lecture; 2 three-hour laboratory periods.

MiE 461. Mine Economics and Mining Law. First term, 3 hours.

Special attention is given to mining costs and legal phases. Students should consult with the staff before registering. Three recitations.

MiE 462. Mine and Power Equipment. Second term, 3 hours.

A study of mining machinery, power installation, their correlation. Students should consult with the staff before registering. Prerequisite: MiE 343. Three recitations.

MiE 463. Mine Plant Design. Third term, 2 hours.

Advanced problem study. Students should consult with the staff before registering. Prerequisites: MiE 343, 442. Two three-hour laboratory periods.

School of Fine Arts

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

*ARNOLD BENNETT HALL, J.D., LL.D., President of the University.

ELLIS FULLER LAWRENCE, M.S., F.A.I.A., Dean and Director of Fine Arts.

EARL MANLEY PALLETT, Ph.D., Executive Secretary and Registrar of the University.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

ERWIN BERTRAN LEMON, B.S., Registrar of the State College.

PERCY PAGET ADAMS, A.B., B.S., Assistant Dean of the School of Fine Arts.

MABEL AUSTIN HOUCK, Secretary and Art Librarian.

Art and Architecture

Eugene

PERCY PAGET ADAMS, A.B., B.S., Professor of Graphics.

WALTER ROSS BAUMES WILLCOX, F.A.I.A., Professor of Architecture.

*A. H. SCHROFF, Professor of Painting.

ANDREW MCDUFFIE VINCENT, Professor of Drawing and Painting.

†NOWLAND BRITTIN ZANE, Associate Professor of Design.

*FRED ORIN HARRIS, B.F.A., Assistant Professor of Design.

MAUDE ISOBEL KERNS, B.A., B.S., Assistant Professor of Normal Art.

VICTORIA AVAKIAN, B.A., Assistant Professor of Applied Design.

*EYLER BROWN, M. in Arch., Assistant Professor of Architecture.

WALLACE STANFORD HAYDEN, B.Arch., Assistant Professor of Architecture.

LANCE WOOD HART, Assistant Professor of Drawing and Painting.

OLIVER LAURENCE BARRETT, Assistant Professor of Sculpture.

LOUISE BARROWS SCHROFF, Instructor in Drawing and Painting.

BROWNELL FRASIER, B.A., Instructor in Interior Design.

ELSIE TILLEY MILLER, Assistant in General Art.

GRACE IONE ASH, M.F.A., Assistant in Normal Arts.

NELL GERALDINE BEST, M.F.A., Assistant in Sculpture.

Corvallis

JOHN LEO FAIRBANKS, Professor of Art.

IDA MARTHA MATSEN, A.M., Instructor in Art.

DOROTHY MAY BOURKE, B.A., Instructor in Art.

*On leave of absence.

†Will give instruction at both Eugene and Corvallis.

*Landscape Architecture**Corvallis*

*ARTHUR LEE PECK, B.S., B.A., Professor of Landscape Architecture.

*FREDERICK ALEXANDER CUTIBERT, M.L.D., Assistant Professor of Landscape Architecture.

Eugene

HERBERT REEVES SINNARD, M.S., Assistant Professor of Landscape Architecture.

*Music**Eugene*

*JOHN JACOB LANDBURY, Mus.D., Professor in Charge of Music Department.

JANE SCOTFORD THACHER, Professor of Piano.

JOHN STARK EVANS, A.B., Professor of Organ and Structure of Music.

REX UNDERWOOD, Professor of Music; Director of Orchestra.

ANNE LANDBURY BECK, B.A., Professor of Music.

ROSE ELIZABETH MCGREW, Professor of Voice.

GEORGE HOPKINS, A.B., Professor of Piano.

ARTHUR BOARDMAN, Professor of Voice.

LORA ELISABETH WARE, Professor of Cello.

LOUIS ARTAU, Associate Professor of Music.

AURORA POTTER UNDERWOOD, Assistant Professor of Music.

JOHN STEHN, M.S., Assistant Professor of Wind Instruments; Director of University Band.

ROY GRIFFIN BRYSON, A.B., Assistant Professor of Voice.

DORIS HELEN CALKINS, B.M., Instructor in Harp.

GEORGE F. BARRON, Graduate Assistant in Public School Music.

Corvallis

PAUL PETRI, Director of Music; Professor of Singing and Conductor of Choruses.

HARRY LYNDEN BEARD, M.A., Professor of Band Instruments and Conductor of Band.

LILLIAN JEFFREYS PETRI, Professor of Piano and Music Theory.

ALBERT CREITZ, B.M., Professor of Stringed Instruments; Conductor of the College Orchestra.

FLORENCE BOWDEN, B.A., Instructor in Cello, Violin and Small Strings; Conductor of the Mandolin and Guitar Club.

BYRON ARNOLD, A.B., Instructor in Organ, Piano, Music History and Theory.

*Will give instruction at both Eugene and Corvallis.

INSTRUCTION in creative design, architecture, interior design, drawing and painting, landscape architecture, music, and sculpture is centered in the School of Fine Arts at Eugene, where courses in all phases of the arts are offered, including upper division and graduate work. At Corvallis lower division and service courses are offered.

For administrative purposes the School of Fine Arts is organized into three departments: Art and Architecture, including graphics, design, construction, interior design, architecture, drawing and painting, sculpture, and normal art; Landscape Architecture; and Music, including piano, voice, organ, violin, string instruments, wind instruments, public school music, and structure and history of music.

The requirements for admission to the School of Fine Arts are listed under Admission to First Year Standing (pages 23-24). Students seeking advanced credit are required to exhibit their work or take an examination before credit is given.

Degrees. The School of Fine Arts offers curricula as follows: A five-year curriculum in architecture, with options in architectural design and interior design; a four-year curriculum in drawing and painting; a four-year curriculum in sculpture; a four-year curriculum in normal art; a four-year curriculum in general art; a five-year curriculum in landscape architecture; and four-year curricula in music. In connection with the School of Education, special courses for teachers of art or music are offered.

The five-year curricula in architecture and interior design lead to the degree of Bachelor of Architecture. The four-year curricula in drawing and painting, sculpture, normal art, and general art lead to the degree of Bachelor of Arts or Bachelor of Science, according to the work completed. The five-year curriculum in landscape architecture, the first two and last two years of which are given on the Eugene campus with the third year on the Corvallis campus, leads to the degrees of Bachelor of Arts in Landscape Architecture or Bachelor of Landscape Architecture. The four-year curricula in music lead to the degree of Bachelor of Music or Bachelor of Music Education, the latter degree being offered jointly by the schools of Fine Arts and Education.

The School of Fine Arts grants the B.A. and B.S. degrees to students fulfilling the requirements for these degrees (see pages 29-30) and meeting the major requirements in Fine Arts.

Graduates of the School of Fine Arts or other institutions offering equivalent work may qualify for the following advanced degrees after at least one year in residence under the direction of the Graduate School and the faculty of the School of Fine Arts:

- Master of Science or Master of Arts (scholastic)
- Master of Architecture (technical)
- Master of Fine Arts (creative)

Curricula in Art and Architecture

Architecture
Architecture Design
Interior Design
Structural Design

Drawing and Painting
Sculpture
Normal Art
General Art

SUGGESTED CURRICULA IN ARCHITECTURE

ARCHITECTURE DESIGN OPTION

B. Arch. Degree

PROFESSOR WILLCOX, Adviser

	Term hours		
	1st	2d	3d
First Year			
Graphics I (AA 111, 112, 113).....	2	2	2
Lower Division Drawing (AA 291) or Architectural Modeling (AA 154, 155, 156).....	2-3	2-3	2-3
Lower Division Architectural Design (AA 297).....	1	1	2
Construction I (AA 129).....	1	1	1
Architectural History I (AA 100, 101, 102).....	3	3	3
Lower Division group requirement.....	3	3	3
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
English Composition (Eng 111, 112, 113).....	2	2	2
	15-16	15-16	17-18

Second Year

Graphics II (AA 211, 212, 213).....	2	2	2
Lower Division Drawing (AA 291 continued) or Architectural Rendering (AA 214, 215, 216).....	2-3	2-3	2-3
Lower Division Architectural Design (AA 297 continued).....	2	2	2
Architectural History II (AA 240, 241, 242).....	2	2	2
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
Lower Division group requirement and electives.....	5	5	5
	15-16	15-16	15-16

Electives recommended: mathematics, language, English, music, science (physics, chemistry, geology, biology), introduction to philosophy.

Third Year

	Term hours		
	1st	2d	3d
Third Year			
Upper Division Drawing (AA 491) or Pen and Pencil (AA 314, 315, 316).....	1-2	1-2	1-2
Upper Division Architectural Design (AA 497).....	4	4	4
Architectural History III (AA 340, 341, 342).....	2	2	2
Construction I (AA 220, 221, 222).....	1	1	1
Construction III (AA 320, 321, 322).....	3	3	3
Electives.....	4	4	4
	15-16	15-16	15-16

Electives recommended as above, with the following additions: speech, astronomy, principles of economics.

Fourth Year

	Term hours		
	1st	2d	3d
Fourth Year			
Upper Division Drawing (AA 491 continued) or Painting (AA 490).....	3	3	3
Upper Division Architectural Design (AA 497 continued).....	6	6	6
Domestic Architecture (AA 311, 312, 313).....	1	1	1
Architectural History IV (AA 343, 344, 345).....	1	1	1
Construction IV (AA 323, 324, 325).....	2	2	2
Construction VI (AA 420, 421, 422).....	2	2	2
Electives.....	2	2	2
	17	17	17

Electives recommended as in other years, with the addition of: World Literature, Aesthetics, Psychology.

	Term hours		
	1st	2d	3d
Fifth Year			
Upper Division Drawing (AA 491 continued).....	1	1	1
Upper Division Architectural Design (AA 497 continued).....	10	10	10
City Planning (AA 353, 354, 355).....	1	1	1
Architectural History VI (AA 446, 447, 448).....	2	2	2
Practice.....	1	1	1
	<u>15</u>	<u>15</u>	<u>15</u>

STRUCTURAL DESIGN IN ARCHITECTURE OPTION

B.S. Degree

PROFESSOR ADAMS, Adviser at Eugene

PROFESSOR GRIFFITH, Adviser at Corvallis

	Term hours		
	1st	2d	3d
Freshman Year (Eugene)			
Graphics I (AA 111, 112, 113).....	2	2	2
Lower Division Drawing (AA 291) or Architectural Modeling (AA 154, 155, 156).....	2-3	2-3	2-3
Lower Division Architectural Design (AA 297).....	1	1	2
Construction I (AA 120).....			1
Unified Mathematics.....	4	4	4
Lower Division group requirement.....	3	3	3
English Composition (Eng 111, 112, 113).....	2	2	2
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
	<u>16-17</u>	<u>16-17</u>	<u>18-19</u>

Electives recommended: chemistry, geology, social science, languages.

Sophomore Year (Eugene)

General Physics (Ph 201, 202, 203).....	4	4	4
Calculus.....	4	4	4
Architectural History II (AA 240, 241, 242).....	2	2	2
Lower Division Architectural Design (AA 297 continued).....	2	2	2
Construction II (AA 220, 221, 222).....	1	1	1
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
Electives.....	2	2	2
	<u>17</u>	<u>17</u>	<u>17</u>

Third and Fourth Years (Corvallis)

In the third and fourth years it is recommended that the following courses be taken, with such additions as may best fit individual cases: mechanics, surveying, strength of materials, graphic statics, reinforced concrete, heating and ventilation, arches, masonry construction, mechanical appliances, electrical lighting and wiring, hydraulics, stresses, steel and timber construction.

INTERIOR DESIGN OPTION

B.Arch. Degree

MRS FRASIER, Adviser

	Term hours		
	1st	2d	3d
First Year			
Graphics I (AA 111, 112, 113).....	2	2	2
Lower Division Drawing (AA 291) or Architectural Modeling (AA 154, 155, 156).....	2-3	2-3	2-3
Lower Division Interior Design (AA 297).....	1	1	2
Construction I (AA 120).....			1
Architectural History I (AA 100, 101, 102).....	3	3	3
Lower Division group requirement.....	3	3	3
English Composition (Eng 111, 112, 113).....	2	2	2
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
	<u>15-16</u>	<u>15-16</u>	<u>15-18</u>

	Second Year		
	Term hours		
	1st	2d	3d
Graphics II (AA 211, 212, 213).....	2	2	2
Lower Division Drawing (AA 291) or Architectural Rendering (AA 214, 215, 216) or Architectural Modeling (AA 154, 155, 156).....	2-3	2-3	2-3
Lower Division Interior Design (AA 297 continued).....	2	2	2
Architectural History II (AA 240, 241, 242).....	2	2	2
Interior Design Elements (AA 223, 224, 225).....	2	2	2
Electives: Lower Division group requirement.....	4	4	4
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
	16-17	16-17	16-17

Electives recommended: Mathematics, language, English, science (geology, biology), introduction to philosophy.

	Third Year		
	Term hours		
	1st	2d	3d
Upper Division Drawing (AA 491) or Modeling or Upper Division Painting (AA 490).....	2-3	2-3	2-3
Upper Division Interior Design (AA 498).....	4	4	4
Architectural History VII (AA 356, 357, 358).....	2	2	2
Lower Division Applied Design (AA 296).....	2	2	2
Electives.....	5	5	5
	15-16	15-16	15-16

Electives as recommended above, with the addition of World Literature, Aesthetics, and Psychology.

	Fourth Year		
	Term hours		
	1st	2d	3d
Upper Division Drawing (AA 491 continued) or Upper Division Painting (AA 490 continued).....	2	2	2
Upper Division Interior Design (AA 498 continued).....	6	6	6
Domestic Architecture (AA 311, 312, 313).....	1	1	1
Upper Division Applied Design (AA 496).....	2	2	2
Architectural History III (AA 340, 341, 342).....	2	2	2
Electives.....	3	3	3
	16	16	16

Electives recommended as above.

	Fifth Year		
	Term hours		
	1st	2d	3d
Upper Division Interior Design (AA 498 continued).....	10	10	10
Technique and Practice (AA 465, 466, 467).....	5	5	5
Architectural History VI (AA 446, 447, 448).....	2	2	2
	17	17	17

SUGGESTED CURRICULUM IN DRAWING AND PAINTING

B.A., B.S. Degrees

PROFESSOR VINCENT, Adviser

	First Year		
	Term hours		
	1st	2d	3d
Lower Division Painting (AA 290).....	2	2	2
Lower Division Drawing (AA 291).....	2	2	2
Lower Division Composition (AA 292).....	2	2	2
Architectural History I (AA 100, 101, 102).....	3-4	3-4	3-4
English Composition (Eng 111, 112, 113).....	2	2	2
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
Electives: Lower Division group requirement.....	4	4	4
	16-17	16-17	16-17

	Term hours		
	1st	2d	3d
Second Year			
Lower Division Painting (AA 290 continued).....	3	3	3
Lower Division Drawing (AA 291 continued).....	3	3	3
Lower Division Composition (AA 292 continued).....	3	3	3
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
Lower Division group requirement and electives.....	6	6	6
	17	17	17
Third Year			
Upper Division Painting (AA 490).....	5	5	5
Upper Division Drawing (AA 491).....	4	4	4
Upper Division Composition (AA 492).....	3	3	3
History of Painting (AA 346, 347, 348).....	2	2	2
Electives.....	3	3	3
	17	17	17
Fourth Year			
Upper Division Painting (AA 490 continued).....	5	5	5
Upper Division Drawing (AA 491 continued).....	5	5	5
Upper Division Composition (AA 492 continued).....	3	3	3
Electives.....	3	3	3
	16	16	16

SUGGESTED CURRICULUM IN SCULPTURE

B.A., B.S. Degrees

MR. BARRETT, Adviser

First Year			
Lower Division Sculpture (AA 293).....	3	3	3
Lower Division Drawing (AA 291).....	2	2	2
Lower Division Sculpture Composition (AA 294).....	2	2	2
Architectural History I (AA 100, 101, 102).....	3-4	3-4	3-4
English Composition (Eng 111, 112, 113).....	2	2	2
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education.....	1	1	1
Electives: Lower Division group requirement.....	3	3	3
	17-18	17-18	17-18
Second Year			
Lower Division Sculpture (AA 293 continued).....	4	4	4
Lower Division Drawing (AA 291 continued).....	3	3	3
Lower Division Sculpture Composition (AA 294 continued).....	2	2	2
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
Lower Division group requirement and electives.....	5	5	5
	16	16	16
Third Year			
Upper Division Sculpture (AA 493).....	5	5	5
Upper Division Drawing (AA 491).....	4	4	4
Upper Division Sculpture Composition (AA 494).....	2	2	2
Electives.....	6	6	6
	17	17	17
Fourth Year			
Upper Division Sculpture (AA 493 continued).....	5	5	5
Upper Division Drawing (AA 491 continued).....	4	4	4
Upper Division Sculpture Composition (AA 494 continued).....	2	2	2
Electives.....	4	4	4
	15	15	15

SUGGESTED CURRICULUM IN NORMAL ART

B.A., B.S. Degrees

Miss KERNS, Adviser

	Term hours—		
	1st	2d	3d
Freshman Year			
Major Subject—			
Design I (AA 166, 167, 168).....	2	2	2
Representation I (AA 169, 170, 171).....	1	1	1
Lower Division Decorative Design (AA 295).....	2	2	2
Color Theory (AA 163, 164, 165).....	1	1	1
Minor for B. A.—			
*Foreign Language (see note below).....	3-4	3-4	3-4
Background of Social Science (SSC 101, 102, 103) or Literature Survey (Eng 101, 102, 103).....	3-4	3-4	3-4
Minor for B.S. -			
Physical Science Survey (Ch, G, Ph, 101, 102, 103) or Elementary Biology (Bot or Z, 101, 102, 103).....	3	3	3
English Composition (Eng 111, 112, 113).....	2	2	2
General Hygiene (PE 111, 112, 113).....	1	1	1
Elementary Physical Education (PE 114, 115, 116).....	1	1	1
	16-18	16-18	16-18
Sophomore Year			
Major Subject—			
Representation II (AA 269, 270, 271).....	1	1	1
Design II (AA 266, 267, 268).....	2	2	2
Figure and Costume Sketch (AA 298).....	1	1	1
Lower Division Drawing (AA 291).....	2	2	2
Minor for B.A.—			
*Foreign Languages (see note below).....	3-4	3-4	3-4
Introductory Geography (Geo 205, 206, 207) or Elementary Psychology (Psy 201, 202, 203).....	3	3	3
Minor for B.S.—			
World History (Hst 204, 205, 206) or Modern Europe or Modern Governments.....	4	4	4
Lower Division Applied Design.....	2	2	2
Advanced Physical Education (PE 214, 215, 216).....	1	1	1
	15-16	15-16	15-16
Junior Year			
Pedagogy of Art (AA 366, 367, 368).....	3	3	3
Fashion Illustration (AA 373, 374, 375).....	2	2	2
Secondary Education (Ed 311), Educational Psychology (Ed 312), Principles of Teaching (Ed 313).....	3	3	3
Interior Design I (AA 380, 381, 382).....	2	2	2
Two Norm courses.....	6-8	6-8	6-8
Special Methods (Ed 314).....	2	2	2
	18-19	18-19	18-19
Senior Year			
Interior Design II (AA 383, 384, 385).....	2	2	2
Practice Teaching (7 term hours for year).....	3	2	2
Sculpture.....	3	3	3
Architectural History VI (AA 446, 447, 448).....	2	2	2
Drawing Class.....	1	1	1
Painting.....	2	2	2
Norms.....	6-7	6-7	6-7
	19-20	18-19	18-19

* French preferred. To qualify under the Humanities Group, third year courses must be taken; but first and second year courses may be used to satisfy the language requirement for the B.A. degree.

SUGGESTED CURRICULUM IN GENERAL ART

B.A., B.S. Degrees

MISS AVAKIAN, Adviser

	Term hours		
	1st	2d	3d
Lower Division Decorative Design (AA 295).....	2-3	2-3	2-3
Architectural History I (AA 100, 101, 102).....	3-4	3-4	3-4
(Choose 3 to 5 hours from the following subjects).....	3-5	3-5	3-5
Lower Division Applied Design (AA 296)			
Lower Division Drawing (AA 291)			
Lower Division Sculpture (AA 293)			
Lower Division Composition (AA 292)			
Figure and Costume Sketch Class (AA 298)			
English Composition (Eng 11, 112, 113).....	2	2	2
Physical Education.....	1	1	1
General Hygiene (women) or Military Science (men).....	1	1	1
Lower Division group requirement and electives.....	4-6	4-6	4-6
	16-18	16-18	16-18

Second Year

(Choose 7 to 8 hours from the following subjects).....	7-8	7-8	7-8
Lower Division Decorative Design (AA 295 continued)			
Lower Division Applied Design (AA 296 continued)			
Lower Division Drawing (AA 291 continued)			
Lower Division Painting (AA 290)			
Lower Division Sculpture (AA 293 continued)			
Lower Division Composition (AA 292 continued)			
Physical Education.....	1	1	1
Military Science (men).....	1	1	1
Electives, including group requirements.....	6-8	6-8	6-8
	15-17	15-17	15-17

Third Year

Architectural History VI (AA 446, 447, 448).....	2	2	2
(Choose 10 to 11 hours from the following subjects).....	10-11	10-11	10-11
Upper Division Decorative Design (AA 495)			
Upper Division Drawing (AA 491)			
Upper Division Painting (AA 490)			
Upper Division Sculpture (AA 493)			
Upper Division Composition (AA 492)			
Fashion Illustration (AA 373, 374, 375)			
Electives.....	3	3	3
	15-16	15-16	15-16

Fourth Year

(Choose 12 to 13 hours from the following subjects).....	12-13	12-13	12-13
Upper Division Decorative Design (AA 495 continued)			
Upper Division Applied Design (AA 496)			
Upper Division Drawing (AA 491 continued)			
Upper Division Painting (AA 490 continued)			
Upper Division Sculpture (AA 493 continued)			
Upper Division Composition (AA 492 continued)			
Interior Design I (AA 380, 381, 482)			
Electives.....	3	3	3
	15-17	15-17	15-17

LOWER DIVISION COURSES IN ART AT CORVALLIS

PROFESSOR FAIRBANKS, Adviser

The following courses are offered to meet, in their content, the demands from other departments for service courses in art, and at the same time, provide ready transfer of students to the upper division work at Eugene with full credit, in case further professional work in art is desired.

	Term hours—		
	1st	2d	3d
Lower Division Drawing (AA 291).....	3	3	3
Lower Division Drawing (AA 291 continued).....	3	3	3
Lower Division Painting (AA 290).....	3	3	3
Lower Division Painting (AA 290 continued).....	3	3	3
Color and Composition (AA 160, 161, 162).....	3	3	3
Lower Division Decorative Design (AA 295).....	3	3	3
Lower Division Decorative Design (AA 295 continued).....	3	3	3
Art Appreciation (AA 100, 101, 102).....	3	3	3
House Planning (AA 178, 179, 180).....	3	3	3

Suggested Curriculum in Landscape Architecture*

B.L.A., B.A. Degrees

PROFESSOR PRICK, Adviser at Corvallis

MR. SINNARD, Adviser at Eugene

First Year (Eugene)	Term hours—		
	1st	2d	3d
Graphics I (AA 111, 112).....	2	2	...
Lower Division Drawing (AA 291) or Architectural Modeling (AA 154, 155, 156).....	1	1	1
Lower Division Architectural Design (AA 297).....	1	1	2
Landscape Architecture (LA 117, 118, 119).....	1	1	1
Romance Language.....	4	4	4
English Composition (Eng 111, 112, 113).....	2	2	2
Military Science (men) or General Hygiene (women).....	1	1	1
Lower Division group requirement—Humanities or Social Science.....	3	3	3
Physical Education.....	1	1	1

Second Year (Eugene)	Term hours—		
Graphics II (AA 211).....	2	...	...
Lower Division Drawing (AA 291 continued) or Architectural Rendering (AA 214, 215, 216).....	1	1	2
Architectural History II (AA 240, 241, 242).....	2	2	2
Landscape Design (LA 217, 218, 219).....	2	2	2
Trigonometry.....	3	4	...
General Botany (Bot 101, 102, 103) (Biological Science group requirement).....	3	3	3
Military Science (men).....	1	1	1
Physical Education.....	1	1	1

Modern language, English, trigonometry and botany must be taken in Lower Division as directed by adviser.

Third Year (Corvallis)	Term hours—		
	1st	2d	3d
Plant Materials (LA 326, 327, 328).....	3	3	3
History and Literature of Landscape Architecture (LA 356, 357, 358).....	2	2	2
Soils.....	2	2	...
Plant Propagation (Hrt 311).....	3	3	...
General Geology (G 201).....	3	...	...
Plane Surveying (CE 226, 223).....	3	...	3
Maintenance and Construction (LA 359, 360, 361).....	3	3	3
Landscape Design (LA 317, 318, 319).....	2	2	2
Plant or Engineering electives.....	...	...	...

Fourth Year (Eugene—Given at Corvallis 1932-33)	Term hours—		
Landscape Design (LA 350, 351, 352).....	4	4	4
Garden Structures (LA 338).....	3	...	...
Field Practice (LA 335, 336).....	4	...	4
Office Practice (LA 337).....	2	2	...
Plant Composition (LA 332, 333, 334).....	3	3	3
Extempore Speaking (Eng 130).....	3	3	...

*For 1932-33 only the first two years' work will be given at Eugene and the last two years' work will be given at Corvallis.

	Fifth Year (Eugene)		
	Term hours		
	1st	2d	3d
Landscape Design (LA 450, 451, 452).....	8	8	8
Architectural History VI (AA 446, 447, 448).....	2	2	2
City Planning.....	2	2	2
Electives.....	.....	.....	.....

Recommended electives: Principles of Accounting; Economics; Business Law; Military Science.

SERVICE COURSES IN LANDSCAPE ARCHITECTURE GIVEN AT CORVALLIS

	Term hours		
	1st	2d	3d
Landscape Architecture (Descriptive) (LA 179).....	2	.....	.....
Landscape Architecture (LA 279).....	3	or 3	or 3
Landscape Architecture (for Foresters) (LA 379).....	.....	.....	3
Simple Home-ground Design (LA 479).....	.....	.....	3

Suggested Curricula in Music

B.A., B.M., B.M.Ed. Degrees

Students who major in music in the College of Arts and Letters (B.A. degree) must meet the requirements for graduation in that college. Students who major in music in the School of Fine Arts (B.M. degree) or in music education in the schools of Fine Arts and Education (B.M.Ed. degree) must complete a total of 186 term hours of work, as in the case of the B.A. degree, but more credit is allowed for applied music and the student substitutes school requirements for the University requirements.

These requirements are as follows:

Major subject: piano, voice, organ, violin, or 'cello.

Full work throughout the four years. This is taken to mean two weekly individual appointments with the instructor in charge, together with the necessary laboratory preparation (one to four hours per day, according to the instrument chosen), ability to cover scheduled program, etc. In some cases, class instruction may be substituted, provided this has the approval of the instructor in charge.

Structure and History of Music, a minimum of 51 hours, usually composed as follows:

	Lower Division	
	Terms	Hours
Elementary Harmony.....	3	9
Elementary Analytical Counterpoint.....	3	6
Intermediate Harmony and Analysis.....	2	8
Elementary Formal Analysis.....	1	4

	Upper Division	
	Terms	Total hours
At least 24 hours, usually including:		
Formal Analysis.....	1	3
Harmonical Analysis.....	1	3
Keyboard Harmony and Modulation (piano students).....	3	6
Strict and Harmonic Counterpoint.....	3	6
The following are strongly recommended:		
Public School Music (public school music majors).....	3	9
Public School Music and Seminar (public school music majors).....	3	6
Supervised Teaching and Seminar (public school music majors).....	1-3	7-10
Philosophy of Music.....	1	2
Classical Period.....	1	2
Romantic Period.....	1	2
Music of the Ancients.....	1	2
Polyphonic Literature.....	Throughout	Division
Band and Orchestra.....	.....	.....

NOTE—One year of Ensemble is required of all students.

Minor subject: A minor subject to be selected from any instrument in the group not containing the major instrument selected:

GROUP I	GROUP II
Piano	Voice
Organ	Violin
	Cello

The amount of work required in the minor subject cannot be definitely stated. The student must satisfy the instructor in his major subject that a proper and reasonable balance between the harmonic and melodic modes of expression has been attained.

PUBLIC SCHOOL MUSIC

This curriculum prepares the student for teaching and supervising music in the grades and in the high schools.

Students are not admitted to the curriculum in Public School Music proper, until they have received the junior certificate.

Lower Division

	<i>Term hours</i>
Elementary Harmony	9
Elementary Analytical Counterpoint.....	6
Ear-training, Solfeggio and Dictation.....	3
Intermediate Harmony and Analysis.....	8
Elementary Formal Analysis.....	4
Orchestral Organization	6
Band Organization (advised).....	6
Beginner's Psychology (prerequisite for education courses).....	9-12
Piano: Ability to cope with the problems involved. This usually requires about three years work.	
Voice: At least one year of accredited instruction. Choral experience; ensemble experience.	

Upper Division

*Band Organization	6
Orchestral Organization (advised).....	6
Public School Music (junior year).....	9
Public School Music and Seminar (senior year).....	6
†Introduction to Education.....	4
†Problems of Secondary Education.....	4
†Educational Psychology.....	4
†Theory and Observation of Secondary Teaching.....	3
†Supervised Teaching	7-10

Art and Architecture

A GROUP of buildings surrounding an arcaded patio, located in the northeast corner of the University campus and housing studios, drafting rooms, exhibition rooms, an art library, and staff offices, is devoted to the departments of Art and Architecture and Landscape Architecture.

Students supply their own instruments and drawing materials, obtainable within the building. The department supplies desks, easels, and drawing boards. All work made in class by students remains the property of the School of Fine Arts unless other arrangements are made with the instructor.

Design. Architectural design is introduced in the first year in order to bring the student in touch with his professional work and coworkers as early as possible. This elementary design is taught by simple problems of

*Orchestral Organization (Mus 214, 215, 216) (lower division) will be accepted as preparation for Band Organization (Mus 323, 324, 325) (upper division).
 †Education courses subject to approval of the Dean of the School of Education.

composition and lectures on materials, mouldings, function, detail, and composition. In the second year, short problems are assigned to bring students face to face with the problem of fitting simple architectural solutions to the practical limitations of materials--requirements of plan and site. The third, fourth, and fifth years in design are given by means of projects and sketch problems. Actual conditions of site and environment are incorporated in the program as far as possible. Thus, work in city planning, landscape architecture, domestic architecture, and architectural design is correlated in problems in which actual topography is given and the problems in architectural design are thus associated definitely with practical considerations.

All design problems are given by individual assignments. The competitive system of teaching design has been abandoned by this School, accent being placed on honesty of thought and expression, on stimulation of a spirit of cooperation, and on development of individuality.

Interior Design. Interior design is considered in its essential relations with the point of view of architecture. The work of the first two years is almost identical with that of the course of study in design. In the three years of upper division work the time is devoted to specialization on interiors, involving the study of the design factors of the room as a background, plus the related problems of furnishing, historically and as affected by materials, function, construction, and beauty.

The Point System. Because of the special nature of design work and the impossibility of foretelling the amount of time necessary to complete projects the number of years necessary to complete the work is not fixed. The nominal time is five years for architectural design. More or less time may be consumed at the student's discretion.

Design work is outlined as a continuous experience, consisting of a series of problems, taken and completed in consecutive order, each one of which is assigned a time value in points. When this experience has been completed in a satisfactory manner the student is qualified as a candidate for a degree. A point is taken equal to one-tenth of a term-hour.

At the beginning of the year students are registered for the indeterminate number of hours shown in the catalog as appropriate to each term, the minimum representing the least amount of work acceptable as an indication of sufficient interest on the part of the student to allow him to remain in the course.

At term ends a grade for each student is returned on the quality of work submitted together with a measure of the quantity of work accomplished, recorded as the number of whole term hours completed during that term and equivalent to one-tenth of the number of points earned. Term hours earned in excess of the nominal number assigned by the Catalog are entered to the student's credit by the registrar as advanced credits, certified to by the Dean of the School of Fine Arts.

Bachelor of Architecture Degree. The regulations governing the award of the degree of Bachelor of Architecture are as follows:

1. Trigonometry and an approved course in physics are prerequisite for Construction III (AA 320, 321, 322).

2. The student shall fulfill the entrance language requirement of the University and take one additional year of language in the University, excepting that students presenting three years of high school language are not required to take any language in the University.

3. A "data book" satisfactory to the dean shall be presented by the student each year, including the results of his research in design, construction, history, ornament, and practice. The degree is not granted until such a data book is presented.

4. Each year a student may obtain professional credits in excess of those called for in the curriculum below, provided he shows in examination that he has had by experience, or otherwise, the equivalent work.

5. In order to graduate, the student shall present at least 220 earned term hours, of which at least 147 hours shall be for work prescribed under graphics, delineation, design, construction, history, and practice. He must have clear records in physical education and military science. At least one year in residence is required.

6. A student may register in three term-hours of electives in addition to the scheduled elective subjects, provided his record for the preceding years shows no grade below C.

7. While the course of study has been prepared for students of average preparation and ability, it is not intended to preclude the graduation of students in less than five years who by experience or ability may be granted advanced credits in their professional subjects by examination as provided in rule 4, or by presenting work in design as provided in rule 8.

8. Architectural design is offered under the point system. Before receiving the professional degree in this option, each student must receive at least a passing grade in each division in design. By special permission of the dean, any student may proceed with the prescribed work of a course upon completion of the preceding course with a grade of C or better, and the registrar will enter to the student's credit such advanced credits as are certified to by the Dean of the School of Fine Arts.

Drawing and Painting. Technical proficiency consistent with the maximum development of individual expression, in the various fields of painting is the aim of the Department of Art and Architecture, whether the special interests of the student be in the field of landscape, portraiture, mural, or illustration. Wide selection of subjects is permissible, but the curriculum suggested (pages 388-389) is one that seems to meet the needs of typical cases.

Design, life class, anatomy, composition, and the history of styles find their place in the curriculum.

Competition and mass training are alike eliminated; each student is treated by the faculty as an individual.

Sculpture. Professional training is offered in the field of modeling and sculpture. The curriculum includes assignments in the fields of drawing, painting, anatomy, composition, design, and history of art as well as technical courses in sculpturing and casting.

The curriculum suggested on page 389 is not mandatory in details, but is given as a guide to those interested in the subject. Deviation consistent with the general regulations of the University and the standards of professional training of the school may be made with the consent of the adviser.

Normal Art. The aim of the normal art courses is to develop an appreciation for the beautiful, to give freedom, spontaneity, and power of original self-expression in design, with some understanding of the design and processes employed in the applied arts and crafts, together with preparation for the work of supervising and teaching art in the schools.

General Art. This department offers foundation courses in the general fields of design and its various forms of application. It is planned especially for those students who are not interested in becoming professional architectural designers or landscape architects, painters, sculptors or art teachers, but who may wish to prepare for future specialization in textile, costume, stage and other forms of applied design.

DESCRIPTION OF COURSES

AT EUGENE

NOTE: The courses in Art and Architecture are arranged in numerical order under the following groups: Graphics, Design, Architecture, Drawing and Painting, Sculpture, Normal Art, General Art.

GRAPHICS

LOWER DIVISION COURSES

AA 111, 112, 113. **Graphics I.** Three terms, 2 hours each term.

First year. The principles of orthographic projection are studied, applications being made to the construction of plans and elevations and correct location of shades and shadows for design problems.

AA 211, 212, 213. **Graphics II.** Three terms, 2 hours each term.

Second year. The first term takes up a study of descriptive geometry, dealing with projections of points, lines, and planes. This gives a good groundwork for all branches of drafting. The second and third terms deal with the applications of descriptive geometry to the drawing of linear perspectives. Practical methods of constructing perspectives are developed.

DESIGN

LOWER DIVISION COURSES

AA 117, 118, 119. **Introduction to Construction.** Three terms, 4 hours each term.

The study of mathematics as related to building construction, including the elements of algebra, trigonometry, and calculus.

AA 120. **Construction I.** Third term, 1 hour.

Introduction to architectural elements by means of individual research and observation. The sketching of existing examples, supplemented by class discussion.

AA 214, 215, 216. **Architectural Rendering.** Three terms, 2 hours each term.

Use of India ink and water-color in making rendered drawings, with a view to their application to architectural design problems.

AA 220, 221, 222. **Construction II.** Three terms, 1 hour each term.

Introduction to a knowledge of building materials, such as stone, terra cotta, brick, concrete, etc. Also an introduction to mechanical devices and arrangements connected with heating, plumbing, ventilation, illumination, acoustics, etc.

AA 297. **Lower Division Architectural Design, Lower Division Interior Design.** Any term, 1 to 4 hours.

The number of hours of credit earned each term is determined by the point system. Normally four term hours would be earned for the first year and six term hours the second year. During the first year

fundamental principles are studied, accompanied by rendered drawings of the orders of architecture, simple facades and architectural details. In the second year simple problems in architectural planning are studied and solutions evolved that require the making of well executed architectural drawings.

UPPER DIVISION COURSES

AA 311, 312, 313. **Domestic Architecture.** Three terms, 1 to 4 hours each term.

Fourth year. A study of the principles and requirements incident to domestic architecture is applied to the execution of plans and elevations of residence buildings.

AA 320, 321, 322. **Construction III.** Three terms, 3 hours each term.

Third year. This course is intended to follow trigonometry and involves the application of mathematics to the designing of structures.

AA 323, 324, 325. **Construction IV.** Three terms, 2 hours each term.

Introduction to the making of working drawings, including scale and full size details; the writing of specifications and supervision.

AA 353, 354, 355. **City Planning.** Three terms, 1 hour each term.

Introduction to city planning, including consideration of economic, practical and aesthetic fields and influences, terminating with the study and solution of a simple, practical problem in town planning.

AA 369, 370, 371. **Construction V.** Three terms, 2 hours each term.

The general study of mechanical accessories to buildings.

AA 411, 412, 413. **Advanced Domestic Architecture.** Three terms, 1 to 4 hours each term.

Continuation of Domestic Architecture.

AA 420, 421, 422. **Construction VI.** Three terms, 2 hours each term.

Fourth year. A course in constructive design continuing the work of Construction III. Designs include trusses in wood and steel, plate girders, reinforced concrete, retaining walls, etc.

AA 453, 454, 455. **Advanced City Planning.** Three terms, 2 to 4 hours each term.

History and significance of the city planning movement. Problems in civic design. Assigned readings, reports, and research.

AA 497. **Upper Division Architectural Design.** Any term, 2 to 10 hours.

The number of hours of credit earned each term is determined by the point system. Normally twelve term hours would be earned in the third year, eighteen term hours in the fourth year and thirty term hours in the fifth year. In these three years a progressive series of problems in architectural design and planning are studied, including short time sketch problems and elaborate, carefully studied rendered drawings.

AA 498. **Upper Division Interior Design.** Any term, 2 to 10 hours.

The number of term hours earned each term is determined by the point system. Normally a total of 12 hours is earned in the third year, 18 in the fourth year, and 30 in the fifth year. In these three years a progressive series of related problems in interior design are studied; sketches and carefully executed drawings are made, some in orthographic projection and some in perspective.

ARCHITECTURE

LOWER DIVISION COURSES

AA 100, 101, 102. **Architectural History I.** Three terms, 3 to 4 hours each term.

Survey of Creative Arts. This course explains the arts from their human and social causes. It seeks an understanding of the various reasons why men had the urge to produce the arts in the first place, and what types of usefulness the arts serve today. The work undertakes to explain what appreciation is, how the habit of appreciation may be developed, and how it relates to daily living and to individual needs.

AA 154, 155, 156. **Architectural Modeling.** Three terms, 1 to 2 hours each term.

For Architects. Study of architectural forms and details by actually creating the forms in clay, thus strengthening the student's perception of three dimensions when working on problems in design.

AA 223, 224, 225. **Interior Design Elements.** Three terms, 2 hours each term.

An introduction to the scope, aims, and technique of interior design (decoration).

AA 240, 241, 242. **Architectural History II.** Three terms, 2 hours each term.

Second year. A study of the historic styles of architecture, supplemented by individual research investigation of historic ornament. Course open to non-majors.

UPPER DIVISION COURSES

AA 329, 330, 331. **Architectural Practice.** Three terms, 1 hour each term.

A consideration of questions dealing with professional ethics, business relations, office management, etc.

AA 340, 341, 342. **Architectural History III.** Three terms, 2 hours each term.

Third year. This course continues the work of Architectural History II.

AA 343, 344, 345. **Architectural History IV.** Three terms, 1 hour each term.

Fourth year. History of modern architecture. Continuing History III.

- AA 356, 357, 358. **Architectural History VII.** Three terms, 2 hours each term.
A study of the history of furniture, textiles, and other accessories contributing to interior design.
- AA 443, 444, 445. **Architectural History V.** Three terms, 1 to 2 hours each term.
Continuation of Architectural History IV.
- AA 446, 447, 448. **Architectural History VI.** Three terms, 2 hours each term.
Civilization and Art Epochs. Lectures covering history, archaeology and evolution of art. The influence of political, ecclesiastical, aesthetic and ethnological evolution upon art; the influence of art upon humanity. Illustrated by means of photographs, lantern slides, colored plates, etc. Prerequisite: upper division standing.
- AA 465, 466, 467. **Technique and Practice.** Three terms, 5 hours each term.
Business, estimating methods, and ethics for interior decorators.

DRAWING AND PAINTING

LOWER DIVISION COURSES

- AA 290. **Lower Division Painting.** Any term, 2 to 3 hours.
Elementary study of painting in oil, water-color and tempera. Fifteen hours for upper division standing.
- AA 291. **Lower Division Drawing.** Any term, 1 to 3 hours.
Fundamentals of drawing. Work in all mediums. Analysis and rendering of forms. Perspective. Tone rendering. Anatomy. Fifteen hours for upper division standing (Six hours for non-majors.)
- AA 292. **Lower Division Composition.** Any term, 2 to 3 hours.
A course in the study of principles of space, tone and color organizations. Work in abstract and pictorial forms. A basic training for all interested in appreciation of the arts or creative work. Fifteen hours for upper division standing.
- AA 298. **Figure and Costume Sketch Class.** Any term, 1 hour.
Sketching from costumed models. To develop the ability to observe clearly and record accurately.

UPPER DIVISION COURSES

- AA 314, 315, 316. **Pen and Pencil.** Three terms, 1 hour each term.
Technique of rendering with pen and pencil.
- AA 346, 347, 348. **History of Painting.** Three terms, 2 hours each term.
A survey of the development of painting from the prehistoric era to the present. Special emphasis is placed upon the characteristics of individual painters as well as upon their period. Not offered 1932-33.

AA 490. **Upper Division Painting.** Any term, 2 to 5 hours.

Advanced problems in portrait, figure and still life, in all mediums. Eighteen hours for graduation, total of 33 hours.

AA 491. **Upper Division Drawing.** Any term, 1 to 5 hours.

Advanced work in drawing. Study of form from the figure. Eighteen hours for graduation, total of 33 hours.

AA 492. **Upper Division Composition.** Any term, 2 to 5 hours.

Advanced problems in composition. Mural decorations, illustrations, practical problems carried out in oil, fresco, and other mediums. Eighteen hours for graduation, total of 33 hours.

SCULPTURE

LOWER DIVISION COURSES

AA 293. **Lower Division Sculpture.** Any term, 2 to 5 hours.

During the first year fundamental principles are studied in clay and stone. Construction is taught by the combinations of the simplest forms. The second year is a continuation of the first year's work, with the addition of research, study of anatomy and construction. Eighteen hours for upper division standing.

AA 294. **Lower Division Sculpture Composition.** Any term, 2 to 4 hours.

During the first year extensive research in ancient sculpture composition is done. Original compositions in clay are required. Nine hours for upper division standing.

UPPER DIVISION COURSES

AA 493. **Upper Division Sculpture.** Any term, 2 to 6 hours.

During the last two years a progressive series of problems in sculpture are studied. These include original sketches in clay from life, as well as carefully executed works in stone. Thirty hours for graduation, total of 48 hours.

AA 494. **Upper Division Sculpture Composition.** Any term, 2 to 4 hours.

The work in this division is a continuation of the work in Lower Division Sculpture Composition. The research is carried on into all periods of art. Nine hours for graduation, total of 18 hours.

NORMAL ART

LOWER DIVISION COURSES

AA 163, 164, 165. **Color Theory.** Three terms, 1 hour each term.

A study of color with reference to its scientific background and artistic use. Practical applications to every-day life in dress, the home, the commercial world, and the theater.

AA 166, 167, 168. **Design I.** Three terms, 2 hours each term.

Study of basic art structure as to its elements, line, dark and light, and color. Structural organization of designs for textiles, advertising, posters, etc., with application to crafts and applied arts.

AA 169, 170, 171. **Representation I.** Three terms, 2 hours each term.

Rendering of positive and negative space by use of naturalistic and abstract forms. Creating of rhythms static and dynamic on picture plane by lines, planes, and volumes. Exercises in organization of structural form of picture composition, motivated by still life, flowers, landscape, etc. Problems of form and color rendered in pencil, charcoal, water-color or oil.

AA 266, 267, 268. **Design II.** Three terms, 2 hours each term.

Continuation of AA 166, 167, 168 in design principles. A study of nature forms in landscape, human figure, and abstract composition. Study of historical crafts in relation to modern technique and the teaching problem. Wood block, first term; batik, second and third terms.

AA 269, 270, 271. **Representation II.** Three terms, 2 hours each term.

A continuation of AA 169, 170, 171 with more advanced problems along the same lines. Prerequisites: AA 169, 170, 171.

AA 275, 276, 277. **Instrumental Drawing.** Three terms, 1 hour each term.

Practice in the use of drawing instruments, making simple plans and elevations. Geometric drawing, projections and perspectives are made the basis of the problems. Prerequisite for Interior Design I and II.

UPPER DIVISION COURSES

AA 363, 364, 365. **Practice Teaching.** Three terms, 2 to 5 hours each term.

One year of supervised teaching in Eugene public schools and the University high school, for Normal Art majors. A total of seven hours for the year is required.

AA 366, 367, 368. **Pedagogy of Art.** Three terms, 3 hours each term.

Comparison of the leaders of art movements and methods of art teaching of the past and present. Subject-matter, material and method of presentation; observation of art classes in the city schools and University high school; lesson plans and courses of study for grade and high schools; assigned readings. Illustrative material for teaching carried out in craft and industrial art processes. Two lectures, one hour laboratory.

GENERAL ART

LOWER DIVISION COURSES

AA 295. **Lower Division Decorative Design.** Any term, 2 to 3 hours.

Study of the principles underlying plastic expression, rhythm, balance, variety, and emphasis. Sources of design forms. The rela-

tion of medium to structure, style, and expression in design. From six to nine hours may be earned each year during the first and second years.

AA 296. Lower Division Applied Design. Any term, 2 to 4 hours.

The student may select from the following: pottery, weaving, elementary box construction, lampshade making, and any other art craft that may seem desirable from time to time. The relation of art to industry and the principles involved in the designing and execution of the student's own ideas, are the basis of study. From six to twelve hours may be taken each year during the first and second years.

UPPER DIVISION COURSES

AA 373, 374, 375. Fashion Illustration. Three terms, 2 to 3 hours each term.

The analysis of style as interpreted through the current mode and the drawing of the fashion figure with emphasis on line, tone, and color composition. Layout making, the rendering of textures and methods of reproduction. The handling of various media. Prerequisites: Lower Division Composition, six hours; Figure and Costume Sketch, three hours; Lower Division Drawing, six hours.

AA 380, 381, 382. Interior Design I. Three terms, 2 hours each term.

Great periods of interior architecture, of decorative furnishings, and the evolution of the social groups and environments in which they developed. The house plan, walls, windows and their treatment, ceilings and floors, decorative textiles and hangings. Lectures and reports. Required of Normal Art majors, open to upper division students of other departments.

AA 383, 384, 385. Interior Design II. Three terms, 2 hours each term.

Problems of side wall elevations in neutral wash and color. Quick rendering in pencil and water-color of elevations and drapery arrangements. Furniture design, sketches and measured drawings. Painted furniture. Choosing, framing and hanging of pictures. Color and color schemes. Laboratory and museum research.

AA 386, 387, 388. Stage Design. Three terms, 2 hours each term.

The physical theater in its social and historical background; forms of theater auditoriums and types of stage settings; costume and lighting as elements of drama; types of theater production; trend of contemporary decoration. Lectures and assigned readings, with drawings and model sets of historical and contemporary stage settings. Not offered 1932-33.

AA 495. Upper Division Decorative Design. Any term, 2 to 3 hours.

Emphasis is placed upon free personal expression on the part of students toward building up an individual professional style. From six to nine hours may be earned each year during the third and fourth years.

AA 496. Upper Division Applied Design. Any term, 2 to 6 hours.

Advanced students in pottery will be allowed to undertake larger and more involved projects, such as tiles for interior and exterior

decoration, as well as garden pottery. Students in weaving may continue with more advanced work along any of the lines studied in the lower division, such as household accessories in curtains, drapes, decorative linen for the table, and tapestry wall hangings. From six to eighteen hours may be earned each year during the third and fourth years in pottery and weaving.

HONORS COURSES

These courses cover the following: Architectural Design, Interior Design, Landscape Architecture, Drawing and Painting, Sculpture, and Normal Arts.

AA 303. **Honors Thesis.** Terms and hours to be arranged.

AA 305. **Honors Assigned Reading.** Terms and hours to be arranged.

AA 307. **Honors Seminar.** Terms and hours to be arranged.

GRADUATE COURSES

AA 503. **Thesis.** Terms and hours to be arranged.

AA 505. **Assigned Reading.** Terms and hours to be arranged.

AA 507. **Seminar.** Terms and hours to be arranged.

AT CORVALLIS

LOWER DIVISION COURSES

AA 100, 101, 102. **Art Appreciation.** Three terms, 3 hours each term.

This course explains the arts from the human and social causes. It seeks an understanding of why men had the urge to produce the arts in the first place, and what types of usefulness the arts serve today. It shows how function, color, scale, textures, and proportions enter into one's personal habits of appreciation.

AA 160, 161, 162. **Color and Composition.** Three terms, 2 or 3 hours each term.

Elementary study of relations of line, areas, mass, neutral values and color values for pictures, decorations, and interior schemes. Applies to both creative processes and appreciation. Adapted to needs of Home Economics group.

AA 178, 179, 180. **House Planning and Architectural Drawing.** Three terms, 3 hours each term.

Elementary architectural design and house planning. Consideration of wind, weather, and sunshine; topography of building lot, and environment; domestic functions in relation to orientation. Relationships of members of household.

AA 290. **Lower Division Painting.** Six terms, 2 or 3 hours each term.

First year, elementary studies from still life, principles of fine arrangement in solids and backgrounds, various mediums; second year, advanced studies from still life and from the head. Encourages individual achievement.

AA 291. **Lower Division Drawing.** Six terms, 2 or 3 hours each term.

The first year of progress includes the analysis of forms leading to an understanding of essential structure of common objects, casts, and antiques. Problems in simple and direct expression of structure by use of different mediums, adapted to the needs of Industrial Arts group. The second year continues the study of forms and combinations of forms. Elementary study of the human figure. Interrelationships of forms and adaptations of forms in a decorative way.

AA 295. **Lower Division Decorative Design.** Six terms, 2 or 3 hours each term.

First year, study of the principles underlying the various arrangements of lines, shapes, neutral tones and colors for purposes of decorative expression. Second year, further problems in decorative arrangements. Building up the student's capacities to plan a design intelligently for a given purpose and to carry out his designs with increasing powers to criticize himself.

Landscape Architecture

AS indicated under Art and Architecture, the instruction in landscape architecture is closely correlated with that in architectural design (see pages 394-395). The prospective landscape architect is thus from the beginning of his professional training closely associated with co-workers in closely related arts.

All the facilities of the School of Fine Arts listed under Art and Architecture are available for the instruction in landscape architecture. In addition, the campuses at both Eugene and Corvallis constitute out-of-door living laboratories for the study of plant materials and landscape design. The third year of the student's training is spent on the Corvallis campus, where he studies plant materials, plant propagation, soils, surveying, and other practical phases of the profession.

DESCRIPTION OF COURSES

AT EUGENE

LOWER DIVISION COURSES

LA 117, 118, 119. **Landscape Architecture.** Three terms, 1 hour each term.

An introduction to the study of landscape architecture; a survey of the principles and ideals of the art.

LA 217, 218, 219. **Landscape Design.** Three terms, 3 hours each term.

Design of small residence properties, the ordinary city lot, town house property, and suburban residence properties involving not more than three acres. Prerequisites: LA 117, 118, 119.

UPPER DIVISION COURSES*

LA 332, 333, 334. **Plant Composition.** Three terms, 3 hours each term.

Plantings of trees and shrubs and flowers; planting plans and estimates. Lectures, field trips, and drafting. Prerequisites: LA 326, 327, 328.

LA 335, 336. **Field Practice.** First and third terms, 4 hours each term.

The student makes surveys, does the engineering work incident to the solving of the problem, makes general plans, planting plans, grading plans, details, etc. In the third term the field practice work is correlated with a major design problem which occupies the third term of fourth year design. Prerequisites: LA 326, 327, 328.

LA 337. **Office Practice.** Second term, 2 hours.

Professional ethics, office management and principles of superintendence. Prerequisite: upper division standing. Offered 1932-33 first term, three hours, including specification writing at Corvallis.

LA 338, 339. **Garden Structure.** First and second terms, 3 hours each term.

Working drawings and details. LA 338 not offered 1932-33. LA 339, four hours, first term, taught at Corvallis.

LA 350, 351, 352. **Landscape Design.** Three terms, 3 hours each term.

Suburban and country estates, school grounds and small parks. Trips are made so that the student may study actual examples of good planning.

LA 450, 451, 452. **Landscape Design.** Three terms, 8 hours each term.

Large parks, cemeteries, golf courses and subdivisions and collaborative problems with architectural students. Prerequisites: LA 350, 351, 352.

AT CORVALLIS

LOWER DIVISION COURSES

LA 179. **Landscape Architecture (Descriptive).** First term, 2 hours.

A lecture course planned to introduce the student to the subject as it is applied to home-ground layouts, city parks, National parks, the wilderness areas, city plans, and modern garden cities. Good taste and general information. No drawing. Two lectures and periodical quiz hours.

LA 279. **Landscape Architecture.** Any term, 3 hours.

This course is designed to fit the needs of all students. Definite principles controlling layout and organization of different kinds of property are introduced. Enough drafting is done so that the student will learn to express himself in a satisfactory manner. Study is made of problems in improvement work on home grounds, rural and urban. Two two-hour drafting periods; three lectures.

*For Honors courses, see page 404.

UPPER DIVISION COURSES

LA 317, 318, 319. **Landscape Design.** Three terms, 2 hours each term.
Continuation and enlargement of LA 217, 218, 219.

LA 326, 327, 328. **Plant Materials.** Three terms, 3 hours each term.

The study of trees, shrubs, vines, and perennials and their uses in plant composition.

LA 356, 357, 358. **History and Literature of Landscape Architecture.** Three terms, 2 hours each term.

These courses acquaint the student with history and literature of the art.

LA 359, 360, 361. **Maintenance and Construction.** Three terms, 3 hours each term.

Concise and practical knowledge of the maintenance of parks, estates, cemeteries, and golf courses. Landscape construction work involving the handling of earth, such as golf-course construction, and the building of tennis courts, walks, roads, and naturalistic water effects.

LA 379. **Landscape Architecture.** Third term, 3 hours.

(For Foresters.) The arrangement of features and elements in ranger stations, recreation areas, state parks, overlooks, and summer-home sites; enough drafting to enable the student to express himself on paper by means of landscape plans. Assigned readings. Two lectures; 1 two-hour drafting period.

LA 454. **Advanced City Planning.** Second term, 4 hours.

History and significance of the city planning movement. Problems in civic design. Assigned readings and reports. Taught as a four-hour course second term at Corvallis, 1932-33.

LA 479. **Simple Home-ground Design.** Third term, 3 hours.

Plant materials such as trees, shrubs, vines, and perennials; their placing and maintenance. Lectures, field trips, simple drafting. Intended for senior students in Home Economics; open also to others. Three two-hour laboratory periods. Professor Peck.

Music

MUSIC is regarded as of great importance as a cultural influence in student life. In addition, therefore, to the instruction provided, the widest possible participation in musical activities is encouraged on each campus.

AT EUGENE

The Department of Music takes care of that large and rapidly increasing group of regularly matriculated students who are expecting to take a degree in four years, and who will offer music either as a major or minor subject. The idea that the intelligent study of music may be made a large and contributing factor in education is not a new one in theory, but too often in practice the demands of the ordinary curriculum have been such as to leave little or no place for it. In the University of Oregon, however, music is a part of the regular University course of study. The student may offer it as a major subject under the same conditions as language, history, or mathematics.

Instruction designed to serve the musical interest of the undergraduate student body is offered in the following subjects:

Piano	String Instruments
Voice	Wind Instruments
Organ	Public School Music
Violin	Structure and History of Music

In addition, a professional curriculum is maintained which is designed to serve the interests of students looking toward a professional career.

Scholarships. Through the generosity of members of the faculty in Music a number of scholarships are available each year. These are awarded by competitive examination to especially gifted and deserving students. Application should be made to the dean. The Mu Phi Epsilon and Phi Beta scholarships are described under Scholarships.

Musical Organizations. The University musical organizations—the University Symphony Orchestra, the University Band, and the Polyphonic Choir—are described on another page.

Concert Series. The annual concert series sponsored by the Department of Music brings to the campus celebrated artists in recital and concert each year.

Equipment. The Department of Music is housed in its own building, one of the finest buildings in the country devoted to this purpose. The walls are of double construction, padded to minimize sound interference, and sound-proof doors are used throughout. In the studio wing are twelve studios equipped with Steinway grand pianos, twelve practice rooms equipped with standard upright pianos, which are kept in the best of tune and condition, a lecture room seating about one hundred, an ensemble room, and business offices. A lounge, sun parlor, and enclosed promenade are also provided for the use of students. The auditorium, seating about six hundred, with stage accommodations for two hundred and seventy-five persons, is complete in its appointments with a Steinway grand piano and a beautiful four-manual Reuter organ.

Fees are charged for all of the courses in applied music and for some of the courses in the structure and history of music. The amounts of these fees may be found in the schedule of courses published at the beginning of the academic year.

	Per term	
	One lesson a week	Two lessons a week
Piano		
Hopkins, George	\$35.00	\$60.00
Thacher, Jane	35.00	60.00
Underwood, Aurora Potter	30.00	55.00
Artau, Louis	25.00	45.00
Voice		
Boardman, Arthur	35.00	60.00
McGrew, Rose Elizabeth	35.00	60.00
Bryson, Roy	25.00	45.00
Violin		
Underwood, Rex	35.00	60.00
Harp		
Calkins, Doris Helen	18.00	36.00
Organ		
Evans, John Stark	35.00	60.00
Band Instruments		
Stehn, John	22.50	40.00
Cello		
Ware, Lora Elisabeth	30.00	55.00
Class work, cello	\$18.00	
Private practice rooms, per hour for the term		5.00
Accompanying		
Underwood, Aurora Potter		9.00
Pedagogy		
Bryson, Roy (voice)		9.00
Thacher, Jane (piano)		9.00
Modern Tendencies		
Thacher, Jane		9.00

DESCRIPTION OF COURSES (At Eugene)

LOWER DIVISION COURSES

Mus 111, 112, 113. **Elementary Harmony.** Three terms, 3 hours each term.

A consideration of the commonly accepted facts and beliefs concerning such music material as scales, chords, intervals, etc., and their application to musical thinking, understanding, and composition. Professor Beck.

Mus 114, 115, 116. **Elementary Analytical Counterpoint.** Three terms, 2 hours each term.

Designed to acquaint the student with the contrapuntal mode of expression, and to contribute to his understanding of harmony through a knowledge of the origins of the principal chord concepts. While the work will be largely analytical, the inventions, partitas, and simple fugues of Bach being used as texts, much attention will be devoted to a study of good voice leading and to the significance of vertical cross-sections of simultaneously uttered melodic figures.

Mus 117, 118, 119. **Ear-Training, Solfeggio, and Dictation.** Three terms, 1 hour each term.

An elementary course designed to give the student a working knowledge of the fundamentals of music.

Mus 120, 121, 122. **Ensemble.** Three terms, 1 hour each term.

Professor Underwood.

Mus 123, 124, 125. **Piano Class.** Three terms, 1 hour each term.
Associate Professor Artau.

Mus 126. **The Lure of Music.** Any term, 2 hours.

A course of musical demonstrations and incidental explanatory material designed especially for those who are not engaged in any form of music study. Preference will be given to those who either do not like what is accepted as good music, or who are not conscious of any love for it. Music majors will be excluded. Professor Landsbury and staff.

Mus 127. **The Appreciation of Music Through Understanding.** Any term, 2 hours.

A course designed to create or stimulate (or both) the enjoyment of good music through its relation to the facts and experiences of life. An attempt will be made to explain the structure and content of music. Elementary in nature. Music majors excluded. Professor Landsbury and staff.

Mus 128. **Group Instruction (Piano).** Any term, 2 hours.

Instruction in applied music is for the most part on an individual basis. Group instruction is available to regularly classified students. All work is based primarily on the literature of the instrument concerned, technique being regarded as a necessary and interesting tool. Mus 128 for piano, Mus 129 for organ, Mus 130 for violin, Mus 131 for voice, Mus 132 for cello.

Mus 129. **Group Instruction (Organ).** Any term, 2 hours.

Similar to Mus 128. For organ.

Mus 130. **Group Instruction (Violin).** Any term, 2 hours.

Similar to Mus 128. For violin.

Mus 131. **Group Instruction (Voice).** Any term, 2 hours.

Similar to Mus 128. For voice.

Mus 132. **Group Instruction (Cello).** Any term, 2 hours.

Similar to Mus 128. For cello.

Mus 133. **Special Problems in Appreciation.** Any term, 2 hours.

A course of lectures and demonstrations aiming to increase the student's ability to understand and enjoy music. Attention will be given to special phases of musical product. Professor Landsbury and staff.

Mus 190. **First Year Applied Music.** Three terms, $\frac{1}{2}$ to 4 hours each term.

Instruction in piano, voice, organ, violin, and stringed instruments; orchestral instruments; band instruments. Maximum credit acceptable toward a B.A. or B.S. degree, twelve hours for Mus 190, 290, 390 and 490 combined.

Mus 211, 212. Intermediate Harmony and Analysis. First and second terms, 4 hours each term.

A continuation of the course in Elementary Harmony. Increased chord vocabulary; special consideration of foreign tones; modulation and analysis. Prerequisites: Mus 111, 112, 113.

Mus 213. Elementary Formal Analysis. Third term, 4 hours.

A study of the figure, motive, section, phrase, and period. The simple song forms. Some consideration of the larger forms such as the sonata, concerto, and symphony. The works of Haydn, Mozart, Beethoven, Mendelssohn, etc., will be used as texts. Prerequisites: Mus 111, 112, 113; 114, 115, 116; 211, 212.

Mus 214, 215, 216. Orchestral Organization. Three terms, 2 hours each term.

A practical study of the strings and wood winds. Professor Underwood.

Mus 217, 218, 219. Band Organization. Three terms, 2 hours each term.

Instrumentation. Study of the various groups of instruments of wind-band. Designed to give students, especially Public School Music majors, a working knowledge of brass, wood-wind, and percussion instruments. Assistant Professor Stehn.

Mus 220, 221, 222. Orchestra. Three terms, 1 hour each term.

Professor Underwood.

Mus 223, 224, 225. Operatic Fundamentals. Three terms, 2 hours each term.

Training in the fundamentals of operatic tradition. Practical work in the reproduction of excerpts from the less pretentious classical, romantic, and modern opera. Professor McGrew.

Mus 226, 227, 228. Accompanying. Three terms, 2 hours each term.

A course presenting practical problems in accompanying, sight-reading, rhythm, and ensemble. Various types of accompaniments studied both from the standpoint of Public School Music students and those wishing to accompany soloists. Assistant Professor Underwood.

Mus 229, 230, 231. Introduction to Polyphonic Literature. Three terms, 1 hour each term.

A course aiming to lay the foundation for polyphonic singing in general. The simpler motets and canzonettas of the early classical period will constitute the basis of the work. Professor Boardman, Mr. Bryson.

Mus 232. Group Instruction (Piano). Any term, 2 hours.

Continuation of Mus 128.

Mus 233. Group Instruction (Organ). Any term, 2 hours.

Continuation of Mus 129.

Mus 234. Group Instruction (Violin). Any term, 2 hours.

Continuation of Mus 130.

Mus 235. Group Instruction (Voice). Any term, 2 hours.
Continuation of Mus 131.

Mus 236. Group Instruction (Cello). Any term, 2 hours.
Continuation of Mus 132.

Mus 290. Second Year Applied Music. Three terms, $\frac{1}{2}$ to 4 hours each term.
Continuation of Mus 190.

UPPER DIVISION COURSES

Mus 311, 312, 313. Keyboard Harmony and Modulation. Three terms, 2 hours each term.

A course aiming to teach students how to think music in terms of the piano. Prerequisites: Mus 111, 112, 113; 114, 115, 116; 211, 212.

Mus 314. Music of the Ancients. First term, 2 hours.

A study of primitive music and musical instruments. Associate Professor Artau.

Ed 315. Supervised Teaching and Seminar. Terms to be arranged, 7 to 10 hours for the year.

Prerequisite: consent of the School of Education. Professor Beck.

Mus 315. The Classical Period. Second term, 2 hours.

A survey of the literature of the classical period and an attempt to relate the musical expression to other movements of the period. Associate Professor Artau.

Mus 316. The Romantic Period. Third term, 2 hours.

Romanticism as it finds expression in music. A survey of the literature and a study of the composers. Much time will be given to the study of opera and the symphonies. Associate Professor Artau.

Mus 317, 318, 319. Public School Music. Three terms, 3 hours each term.

A specific study of the material and methods suitable for the first six grades, from the standpoint of teachers and supervisors. Development of problems peculiar to each grade. All important texts and recent approaches studied. Observations, reports, conferences. Prerequisite: consent of instructor. Professor Beck.

Mus 320, 321, 322. Orchestral Organization. Three terms, 2 hours each term.

A study of transposition and instrumentation. Professor Underwood.

Mus 323, 324, 325. Band Organization. Three terms, 2 hours each term.

A course designed to aid music supervisors and band directors in the public school in forming and developing bands. The artistic side of band work is discussed but the chief emphasis is on the practical work such as methods of teaching pupils to play band instruments, practical instrumentation, practical arranging, music suitable for young

bands, methods of presenting music to the band, arranging programs, etc. The lectures and recitations will be accompanied by demonstrations on the various instruments, brass and reed, in order to give the prospective director a working knowledge of the capabilities, uses, manipulation and principles of construction of each instrument. Several typical band scores will be studied in detail. Mr. Stehn.

Mus 326, 327, 328. **Orchestra.** Three terms, 1 hour each term.

Professor Underwood. Three periods a week.

Mus 329. **Group Instruction (Piano).** Any term, 2 hours.

Continuation of Mus 232.

Mus 330. **Group Instruction (Organ).** Any term, 2 hours.

Continuation of Mus 233.

Mus 331. **Group Instruction (Violin).** Any term, 2 hours.

Continuation of Mus 234.

Mus 332. **Group Instruction (Voice).** Any term, 2 hours.

Continuation of Mus 235.

Mus 333. **Group Instruction (Cello).** Any term, 2 hours.

Continuation of Mus 236.

Mus 334, 335, 336. **Operatic Fundamentals.** Three terms, 2 hours each term.

An advanced course dealing with the training of students who contemplate entering the field of opera. Professor McGrew.

Mus 337, 338, 339. **Polyphonic Literature.** Three terms, 1 hour each term.

Professor Boardman. Three periods a week.

Mus 340, 341, 342. **Accompanying.** Three terms, 2 hours each term.

Assistant Professor Underwood.

Mus 343, 344, 345. **Ensemble.** Three terms, 1 hour each term.

Professor Underwood.

Mus 346. **Organ Literature.** Any term, 2 hours.

A literature course primarily for seniors with particular emphasis on modern tendencies in organ composition and the possibilities of the modern console. Professor Evans.

Mus 347. **Modern Tendencies.** Any term, 1 hour.

An attempt to follow the changes resulting from modern experiences in tonal combinations. Some time will be spent considering the lives of representative modern composers. Professor Thacher.

Mus 348, 349, 350. **Free Composition.** Three terms, 2 hours each term.

A study of the characteristic idioms of the free style; the variation, simple and developed song form, developed ternary form, the art song, etc. Not more than three will be permitted in the class. Prerequisite: consent of instructor. Professor Hopkins.

Mus 351, 352, 353. **Piano Class.** Three terms, 1 hour each term.

Associate Professor Artau.

Mus 390. **Third Year Applied Music.** Three terms, $\frac{1}{2}$ to 4 hours each term.

Mus 411, 412, 413. **Public School Music and Seminar.** Three terms, 2 hours each term.

A particular study of the materials and methods for the junior and senior high school from the standpoint of teachers and supervisors. This course includes investigation of problems relating to test and measurement procedures; courses of study; supervision. Recent approaches studied. Observations, reports, conferences. Prerequisites: Mus 317, 318, 319. Professor Beck.

Mus 414. **Strict Counterpoint.** First term, 2 hours.

An introduction to counterpoint with emphasis upon accomplishing the most musical results with the simplest of resources. Prerequisites: Mus 111, 112, 113; 211, 212, 213. Professor Hopkins.

Mus 415. **Harmonic Counterpoint.** Second term, 2 hours.

A freer use of contrapuntal skill with special emphasis upon the Harmonic approach and including the study of the Bach Two and Three Voiced Inventions. Prerequisite: Mus 414. Professor Hopkins.

Mus 416. **Harmonic Counterpoint.** Third term, 2 hours.

A continuation of Mus 415 including a study of the Fugue. Prerequisite: Mus 415. Professor Hopkins.

Mus 417. **Vocal Pedagogy.** Any term, 2 hours.

A course in the principles of voice teaching. Breathing control, vocal apparatus, types of singing voices, rules for interpretation and pedagogical standards.

Mus 418. **Piano Pedagogy.** Any term, 2 hours.

A consideration of the principles of performance from the standpoint of the teacher and player, covering the fundamentals of technique and musicianship. Professor Thacher, Associate Professor Artau.

Mus 419. **Formal Analysis.** First term, 3 hours.

The musical architecture of the free style, the career of the motive as influenced by the phrase, period, and form, the song forms, developed ternary forms, etc. Texts, the sonatas of Haydn, Mozart, Beethoven, Schumann, Brahms, etc. A practical course for those wishing to know the basis of interpretation. Prerequisites: Mus 111, 112, 113; 211, 212, 213. Professor Landsbury.

Mus 420. **Harmonical Analysis.** Second term, 3 hours.

A study of the methods of harmonic reduction and expansion based upon the works of the classical and romanic composers. Prerequisite: Mus 419. Professor Landsbury.

Mus 421. **Philosophy of Music.** Third term, 2 hours.

Upper division seminar. Discussions of the physical basis of music, consonance and dissonance, musical content and associations, absolute and program music, the classical, romantic, and modern points of view of the musical experience, etc. Prerequisite: Mus 420. Professor Landsbury.

Mus 490. **Fourth Year Applied Music.** Three terms, $\frac{1}{2}$ to 4 hours each term.

A continuation of Mus 390.

GRADUATE COURSES

Mus 503. **Thesis.** Any term, 1 to 5 hours.

A study of present day musical conditions with particular reference to the adjustment of music to the curriculum. Each student will be given a definite research problem, and must defend his solution before the class. Professor Landsbury.

Mus 507. **Seminar.** Any term, 1 to 5 hours.

Professor Landsbury.

Mus 511, 512, 513. **Advanced Free Composition.** Three terms, 2 to 3 hours each term.

Open to students showing marked creative ability, who have had adequate preparation. Classes will be limited to three members and each member must produce specimens in both the small and large forms which will be deemed worthy of publication or public performance. Professor Hopkins.

Mus 514, 515, 516. **Practical Artistry.** Three terms, 2 to 3 hours each term.

To be accepted, the student must possess a technique adequate to the needs of the classical, romantic, and modern schools; the required undergraduate work for a B.M. degree; must be enrolled in course Mus 501 and must show promise of being able to demonstrate by public performance the beauty and cultural value of the tonal masterpieces. Professors Landsbury, Thacher, Evans, Hopkins, Underwood, Boardman; Associate Professor Artau.

Mus 517, 518, 519. **Multiple Counterpoint, Canon, and Fugue.** Three terms, 2 hours each term.

A course dealing with the principles of Multiple Counterpoint in general, and the Double, Triple, and Quadruple Counterpoint of J. S. Bach in particular; types of finite and infinite canon; simple, double and triple fugue; application of the strict style to orchestral and choral composition. Professors Landsbury and Hopkins.

AT CORVALLIS

The courses in Music at Corvallis are service courses for students in the various major curricula of the College. No degrees or diplomas are conferred in Music.

Music is recognized at the College as of fundamental value in the development of personality, enriching the life of every man or woman who

learns to appreciate it. In the training of every young woman preparing for homemaking, in supplementing the resources of the teacher and others, music is regarded as of special importance. In order that music may contribute its full share in the education of the students attending the College, the institution maintains a noteworthy program of musical activities, together with exceptional opportunities for music study. The faculty in Music has been selected with great care, numbering among its members musicians of the highest rank, who, through study and concert work in the large musical centers of this country and Europe, bring to their students the highest ideals prevailing in these centers. The assistant instructors employ the same methods as their superiors, thus preparing the less advanced students for effective study under the principal instructors when they later enter upon more advanced study.

Training and experience in performance before the microphone of radio station KOAC are valuable features in all phases of the work.

Music constitutes a self-sustaining division of the College.

Scholarships. A number of free scholarships for private study are available to worthy, talented pupils. Examinations for these are held during the first week of any term. Application must be made to the Director.

Musical Organizations. Musical organizations at the College, including the R. O. T. C. Band, the Orchestra, the Glee Club, the Madrigal Club, and the Mandolin Club, are described on another page.

Concerts. Under the direction of the faculty in Music a series of Sunday afternoon Vesper Concerts is presented throughout the college year. The College Orchestra, Glee Club, and Madrigal Club give programs both entertaining and educational in character. Recitals by members of the faculty and by the more advanced students are also given. These Vesper Concerts contribute materially to the spiritual and cultural life of the entire student body of the College.

Courses. Instruction in music is intended for students pursuing one of the degree curricula who take music courses as electives. A maximum of twelve credits in applied music may be counted toward a degree in the several degree-granting schools. Credits in music theory may be elected subject to the approval of the dean of the school in which the student is registered.

Students enter the College with all degrees of previous proficiency in music. Consequently a considerable range of music courses has been provided. For students carrying a heavy program of required work, a number of music courses are offered carrying from one to three hours credit, while for students in curricula providing opportunity for more elective work, music courses carrying more credit are offered. Such students, on approval of the Director, as determined by their previous preparation, may choose the more comprehensive course.

Students who have had sufficient preparation may pursue advanced study in Music under one of the principal instructors. So far as their music work is concerned such students are artist students of the Music faculty; they are registered in the College only in so far as they may be pursuing

regular courses, either as carrying a full major curriculum in one of the degree-granting schools or as optional or special students, not candidates for a degree. Artist students may register in the advanced courses. Violin or Singing students are expected to take, or to have had, at least one year of piano instruction.

Applied Music. Courses are offered in all phases of applied music on the college campus, including the piano, organ, singing, violin, and violoncello, plectral instruments, and band instruments. Students may study any phase of applied music throughout four years, taking from one to six term hours in any term according to the course pursued. The maximum credit in applied music acceptable toward a B.A. or B.S. degree is twelve hours.

Piano. Instruction in piano is offered to meet the needs of students in various stages of proficiency from the beginner to the artist student. Thorough foundation in technique is developed on a highly scientific basis. Monthly group meetings of the more advanced students give an opportunity to accustom the students to play before others. Students may take from one to six term hours each term and are required to devote from one to three hours daily to practice.

Organ. Students with adequate pianistic preparation may pursue courses in organ playing. A standard two-manual Kimbal pipe-organ is available for practice purposes at reasonable rates. The work is offered on the basis of two term hours each term covering one or two private lessons a week and one or two hours daily practice.

Singing. Students who wish to develop their singing voices are offered excellent opportunity for instruction. Each student is treated individually and is assigned exercises and songs according to his stage of vocal development. For the more advanced students opportunity to sing before various campus audiences and over the radio is provided. Students may take from one to four term hours each term, requiring from one-half to two hours daily practice.

Violin and Violoncello instruction is available to suit the requirements of the student, from beginner to finished artist. To those of adequate ability opportunity is afforded to play in the college orchestra and in similar groups and to appear as soloists before various college audiences and over the radio. Students may take from one to six term hours each term, requiring from one to three hours daily practice.

Plectral Instruments. Mandolin, guitar and banjo instruction is available at reasonable cost. Students reaching a fair degree of proficiency have opportunity to join the Mandolin and Guitar Club which meets weekly for ensemble playing. Students may take two term hours each term, requiring one hour daily practice.

Band Instruments. Courses in band instruments include cornet, trombone, clarinet, oboe, bassoon, baritone, saxophone, flute, Bb bass, Eb bass, drums, French horn, bells, and xylophone.

Regulations. Consult the Director regarding regulations governing registration, attendance, public performance of music students, etc.

Equipment. The entire top floor of the Administration Building is devoted to studios, offices, and other needs of the work in music. Ample facilities for teaching and practicing are provided.

Tuition. Private lessons are one-half hour in length. Class lessons are fifty minutes in length. All fees are payable strictly in advance.

	Per term	
	One lesson a week	Two lessons a week
Piano		
Mrs. Petri	30.00	60.00
Mr. Arnold	18.00	36.00
Organ		
Mr. Arnold	24.00	48.00
Singing		
Mr. Petri	30.00	60.00
Violin, Viola, Cello		
Mr. Creitz	30.00	60.00
Miss Bowden	15.00	30.00
Harp, Guitar and other Small Strings		
Miss Bowden	15.00	30.00
Band Instruments		
Mr. Beard	15.00	30.00
Theory and Allied Subjects		
Private Instruction	30.00	60.00
Class Instruction, not less than four in a class accepted:		
3 hours a week, a term.....		\$15.00
2 hours a week, a term.....		12.50

Piano, Organ, and Orchestra Instrument Rental.

Piano		
$\frac{1}{2}$ hour a day, a term (for Singing students only).....		\$ 3.00
1 hour a day, a term.....		5.00
1 hour a day, a term (without use of piano).....		2.50
2 hours a day, a term.....		7.50
3 hours a day, a term.....		10.00
4 hours a day, a term.....		12.50
Orchestra Instruments. Violas, cello, bassoon, and oboe are available for practice purposes for \$3.00 per term for one hour weekly. Bassoon and oboe players must furnish their own reeds, and viola and cello students must replace broken strings with new ones. Any damage done to the instruments through carelessness or negligence of student must be repaired at student's expense.		
Organ		
1 hour a day, a term.....		\$15.00
2 hours a day, a term.....		30.00
3 hours a day, a term.....		45.00

DESCRIPTION OF COURSES (At Corvallis)

THEORY

At all stages of instruction in applied music, training is given in analysis of material.

Mus 111, 112, 113. **Harmony I, II, III.** Three terms, 3 hours each term.

Laws of overtone; origin and history of diatonic scale system; scale drills; melodic principles developed from tetrachord relations, and awakening of harmonic consciousness; triads, dominant and diminished seventh chords; recognition of by-tones; keyboard drills; ear drills; free harmonization of melodies; original melody writing; simple transposition and modulation. Three periods.

Mus 120. **Appreciation of Music.** Second term, 1 hour.

Illustrated lectures, using the phonograph and other means, on how to listen to music, instrumental and vocal; how to instruct a child in the appreciation of good music. Required in Home Economics; elective to others. One lecture.

Mus 126. **The Lure of Music.** Third term, 1 hour.

A course designed to create or stimulate (or both) the enjoyment of good music through its relation to the facts and experiences of life. An attempt will be made to explain the structure and content of music. Elementary in nature. Professor Landsbury and staff.

Mus 127, 128, 129. **Theory of Music.** Three terms, 1 hour each term.

Musical terminology and embellishments; acoustics; Pythagorean, mean tone, and well-tempered systems of tuning; elements of musical form; song form, suite, sonata, symphony, oratorio, opera, etc.

Mus 147, 148, 149. **Sightsinging and Ear-Training.** Three terms, 1 hour each term.

Writing from tonal dictation, singing melodies, rhythmic problems; rhythmic dictation. One recitation.

Mus 211, 212, 213. **Harmony IV, V, VI.** Three terms, 3 hours each term.

Continuation of Mus 113. Use of secondary chords in free harmonization of melodies; ear perception of these as substitutes for primary chords; four-voice treatment of original melodies. Free harmonization of melodies that modulate; ear drills in recognition of key changes; keyboard modulation from chord patterns. Two periods.

Mus 221, 222, 223. **History of Music.** Three terms, 2 hours each term.

Evolution of music from the ancient and medieval systems; the Gregorian Chant; the classical period through Bach and Beethoven; the classical musical forms; the romantic and modern periods; the opera. The lectures are liberally supplemented through the use of the phonograph and other means. Prerequisites: Mus 127, 128, 129. Two lectures.

Mus 311. **Strict Counterpoint.** First term, 3 hours.

Analysis of Bach fugues continued. Prerequisite: Mus 213. Two periods.

Mus 312. **Canon and Fugue.** Second term, 3 hours.

Prerequisite: Mus 311. Two periods.

Mus 313. **Modern Harmony.** Third term, 3 hours.

Modern interval successions; modern chord structure and resolution; scales other than diatonic; free harmonization of melodies with contrapuntal voice written in. Prerequisite: Mus 312. Two periods.

Mus 411. **Modern Harmony.** First term, 3 hours.

Continuation of Mus 313. Dual chord structure; lack of tonality; lack of melody and definite form traced and analyzed. Prerequisite: Mus 313. Two periods.

Mus 412, 413. **Composition.** Second and third terms, 3 hours each term.

Setting of poems chosen at first by the teacher, later by the student; original composition in old dance forms. Original sonata and any other creative work suitable to the powers of self-expression of the student, particularly for his own chosen instrument. Two periods.

Mus 421. **Pedagogy.** Second term, 1 hour.

For students in Piano or Violin. Upbuilding of comprehensive musicianship; teaching to memorize consciously in form; psychology of cultivating earnest effort in pupils; inculcating a sense of joy in earnest effort; weighing and sifting teaching material. One period either private or class instruction, as arranged.

Mus 422. **Orchestration.** Any term, 2 hours.

Course offered to enable the student to understand the tonal compass, proper grouping of all instruments employed in the present symphony orchestra. Practice in reading scores. Practical arranging of music for varied instrumental combinations. Prerequisites: Mus 127-129, 221-223, 411-413. One private or class instruction period, as arranged.

Mus 441, 442, 443. **Band Conducting.** Three terms, 2 hours each term.

APPLIED MUSIC

A total of twelve term hours is the maximum that may be counted toward a B.A. or B.S. degree. This limitation, however, does not apply in the case of the B.M. degree in the School of Fine Arts on the Eugene campus.

Mus 154, 155, 156. **Piano.** Three terms, 2 to 6 hours each term.

Individual instruction. One to 3 hours daily practice.

Mus 157, 158, 159. **Organ.** Three terms, 2 hours each term.

One or 2 private lessons, 1 or 2 hours daily practice.

Mus 161, 162, 163. **Singing.** Three terms, 1 to 4 hours each term.

One or 2 private lessons, $\frac{1}{2}$ to 2 hours daily practice.

Mus 164, 165, 166. **Violin.** Three terms, 2 to 6 hours each term.

One or 2 private lessons, 1 to 3 hours daily practice.

Mus 167, 168, 169. **Plectral Instruments.** Three terms, 1 or 2 hours each term.

Individual instruction in mandolin, guitar, and banjo. One or 2 private lessons, 1 hour daily practice.

Mus 171, 172, 173. **Band Instruments.** Three terms, 2 hours each term.

Individual instruction. In registering, students should write the name of the instrument in parentheses following course title—e.g., *Mus 171. Band Instruments (Cornet)*. Instruction is given in cornet, trombone, clarinet, oboe, bassoon, baritone, saxophone, flute, BBb bass, Eb bass, drums, French horn, bells, xylophone, and other instruments.

- Mus 254, 255, 256. **Piano.** Three terms, 2 to 6 hours each term.
Continuation of Mus 156.
- Mus 257, 258, 259. **Organ.** Three terms, 2 hours each term.
Continuation of Mus 159.
- Mus 261, 262, 263. **Singing.** Three terms, 1 to 4 hours each term.
Continuation of Mus 163.
- Mus 264, 265, 266. **Violin.** Three terms, 2 to 6 hours each term.
Continuation of Mus 166.
- Mus 267, 268, 269. **Plectral Instruments.** Three terms, 1 or 2 hours each term.
Continuation of Mus 169.
- Mus 271, 272, 273. **Band Instruments.** Three terms, 2 hours each term.
Continuation of Mus 173.
- Mus 354, 355, 356. **Piano.** Three terms, 2 to 6 hours each term.
Continuation of Mus 256.
- Mus 357, 358, 359. **Organ.** Three terms, 2 hours each term.
Continuation of Mus 259.
- Mus 361, 362, 363. **Singing.** Three terms, 1 to 4 hours each term.
Continuation of Mus 263.
- Mus 364, 365, 366. **Violin.** Three terms, 2 to 6 hours each term.
Continuation of Mus 266.
- Mus 367, 368, 369. **Plectral Instruments.** Three terms, 1 or 2 hours each term.
Continuation of Mus 269.
- Mus 371, 372, 373. **Band Instruments.** Three terms, 2 hours each term.
Continuation of Mus 273.
- Mus 454, 455, 456. **Piano.** Three terms, 2 to 6 hours each term.
Continuation of Mus 356.
- Mus 457, 458, 459. **Organ.** Three terms, 2 hours each term.
Continuation of Mus 359.
- Mus 461, 462, 463. **Singing.** Three terms, 1 to 4 hours each term.
Continuation of Mus 363.
- Mus 464, 465, 466. **Violin.** Three terms, 2 to 6 hours each term.
Continuation of Mus 366.
- Mus 467, 468, 469. **Plectral Instruments.** Three terms, 1 or 2 hours each term.
Continuation of Mus 369.
- Mus 471, 472, 473. **Band Instruments.** Three terms, 2 hours each term.
Continuation of Mus 373.

School of Forestry

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

GEORGE WILCOX PEAVY, M.S.F., Dean of the School of Forestry.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

ERWIN BERTRAN LEMON, B.S., Registrar of the State College.

MARY LOU TILTON, Secretary to the Dean.

Logging Engineering

HENRY RICHARD PATTERSON, JR., B.S., Professor of Logging Engineering.

FRED JACOB SCHREINER, B.S. (L.E.), Instructor in Logging Engineering.

JASON KERMIT BRANDEBERRY, M.S., Instructor in Logging Engineering.

Technical Forestry

THURMAN JAMES STARKER, B.S., Professor of Forestry.

EARL GEORGE MASON, M.F., Associate Professor of Forestry.

RICHARD SENG KEARNS, M.S.F., Instructor in Forestry.

HARRY A. FOWELLS, B.S., Research Fellow in Silviculture.

VERN MCDANIEL, M.S., Forest Nurseryman.

Lumber Manufacture

WILLIAM JENNINGS BAKER, M.S., Associate Professor of Lumber Manufacture.

MERLE STEPHEN LOWDEN, B.S., Assistant in Lumber Manufacture.

THE immense timber resources of Oregon and the vast area of land within the state suited to no other use than the continued production of timber crops point to a very definite obligation on the part of the Oregon State School of Forestry. That obligation is to train men so to manage these great properties that the maximum product may be received from them, that this maximum production may be continuous, and that the product itself may be economically and most efficiently utilized. Oregon has an interest in forestry greater than any other state in the Union. The state has within its limits an area of 22,000,000 acres which, because of peculiarities of soil, topography, and climate, appears to be permanently classified as forest land. The economic interests of the state unquestionably demand that this great basic resource should be kept at work producing that which it is best adapted to grow. Under present methods of utilization, Oregon has approximately 400 billion feet of standing timber, the largest amount possessed by any state, and an amount equaling fully 20 percent of the total stand remaining in the United States.

While the lumber industry of Oregon is, comparatively, in its early stage, yet an area of more than 100,000 acres of timber-land is now annually cut over. This product has a value in excess of \$100,000,000. In harvesting and manufacturing this timber crop 47,000 men are normally employed.

Technical Forestry. In technical forestry the School has a dual responsibility. It has its obligation to the Federal Government in training men to be of service in helping to manage the National Forests, which now comprise an area of more than 160,000,000 acres. This is a very definite responsibility for the reason that the nation as a whole is cutting its timber crop four times as rapidly as a new crop is being grown. This fact points to a time, not far distant, when the country will be without reasonably priced timber. History has very clearly shown that adequate timber supplies have made a decided contribution to the general welfare. The School has its more immediate obligation to the State of Oregon in preparing men to aid in solving the forestry problems which are involved chiefly in the reforestation and protection of the commonwealth's 10,000,000 acres of privately owned timber-lands. An industry which normally has a pay-roll of 47,000 men and which annually produces wealth in excess of \$100,000,000 is one which every economic and social consideration dictates should be conserved and perpetuated. This accomplishment is one of the chief objectives of the School of Forestry.

Logging Engineering. The logging engineer is the product of the Pacific Northwest. Far-sighted men in the industry, realizing the peculiar engineering requirements of their business, requested the schools of forestry to train men for service in this branch of the lumber industry. Departments of logging engineering were organized in response to this request. The logging engineer is trained in timber appraising, in topographic surveying in rough country, in the preparation of topographic and relief maps from field data, in the location and construction of logging railroads, in bridge design, and in making topographic logging plans. The curriculum in Logging Engineering outlined below was prepared in consultation with some of the ablest timbermen in the state.

Lumber Manufacture. Sawing logs into boards can no longer be regarded as the sole objective of the sawmill man. His business involves such problems as the design of his plant for efficient operation, the organization and management of the plant, kiln-drying of lumber, refinement of manufacture, human efficiency, and scientific merchandising. In response to the demands of the industry for men with basic training along these lines, a carefully selected group of subjects is offered young men desiring to enter the lumber manufacturing field. This curriculum may be elected following the two basic years. Students majoring in Lumber Manufacture are granted the bachelor's degree in Lumber Manufacture.

Summer Employment. The principal operations of the lumber industry of the United States are in the Pacific Northwest. This fact creates conditions which make it easy for students who are physically fit to find employment in the logging camps and in sawmills. The United States Forest Service has adopted a definite policy of employing forestry students during vacation periods. Because of this policy students expecting to engage in

forestry work are enabled to obtain valuable field experience at reasonable pay without incurring the costs incident to traveling long distances.

Curricula. All students registered in the School of Forestry are expected to take the subjects outlined for the freshman and sophomore years. Following this, they may elect their major work in Technical Forestry, Logging Engineering, or Lumber Manufacture.

Requirements for Graduation. For graduation the student is required to complete 207 hours of collegiate work. Every student before graduation must have completed the group requirements of the Lower Division. A minimum of 70 professional hours is required by the School of Forestry. No student will be recommended for graduation who has not had at least six months of practical field work which is in line with his objective and which has been accepted as satisfactory by the faculty of the School of Forestry.

Advanced Degrees. The professional degree of Master of Science in Forestry, Logging Engineering, or Lumber Manufacture is offered to graduates of the College, or other colleges of equal rank, who have attained the degree of Bachelor of Science in the corresponding forestry curriculum, and met the College requirements for graduate study. These requirements specify one full year of resident work amounting to 48 hours, including an acceptable thesis.

Equipment. The School of Forestry is housed in the Forestry Building, a thoroughly modern three-story structure 80 feet wide by 136 feet long. The building contains roomy laboratories for work in silviculture, dendrology, mensuration, forest protection, wood technology, drafting, lumber grading, and logging devices and equipment. These laboratories are well equipped with appropriate instruments and apparatus. Through the courtesy of the manufacturers of logging equipment much valuable logging machinery has been accumulated for demonstration purposes. Lumber manufacturing concerns have generously supplied the School with wood products made from various species of Oregon trees. All available publications dealing with general forestry, logging, or lumber manufacture are provided for the use of students.

Actual field work, so essential in preparing men for work in forestry and logging engineering, is made possible by the fact that large areas of timbered lands are easily accessible from the College. Some of the largest lumber manufacturing plants in the Northwest are located within two or three hours' ride from Corvallis. Located as it is in the heart of the greatest timbered region of the United States, the School of Forestry possesses unique advantages for preparing men for service in professional forestry, logging engineering, and lumber manufacture.

A dry-kiln of commercial size, completely equipped for research in lumber seasoning, is available for use of students in lumber manufacture.

Lands. A State forest of 75,000 acres has, by law, been placed at the disposal of the School of Forestry for scientific management. This forested area lies within 75 miles of the College. An area of 160 acres of logged and second growth fir, presented to the School by the Spaulding Logging

Company, lies within 10 miles of the campus. Mrs. Mary J. L. McDonald of San Francisco gave the School 640 acres of timbered land for demonstration purposes. This land lies near Prospect in the Crater Lake region. Mrs. McDonald also made possible the acquisition of a tract of 1,600 acres of second growth Douglas fir. This land lies within seven miles of the campus and is devoted to experimental work in reforestation. The area also serves as a base for laboratory work for surveying, mapping, timber estimating, and logging railroad location. A tract of cut-over land, 92 acres in extent, is devoted to arboretum and experimental planting purposes. A forest nursery on the arboretum tract, financed by the United States Forest Service and the State Board of Forestry, is operated under the supervision of the School. A full-time nurseryman is required for this project.

Through the generosity of John W. Blodgett, a prominent timberman, a tract of 2,400 acres of cut-over land in Columbia county has been presented to the School of Forestry. This area is to be devoted to research work in reforestation.

Curricula in Forestry

LOWER DIVISION CURRICULUM

The following courses are for all freshman and sophomore students in Forestry. Students are expected to complete the work as outlined.

	Term hours		
	1st	2d	3d
Freshman Year			
General Forestry (F 111)	3		
Forest Protection (F 112)		3	
Tree Identification (F 153)			3
General Botany (Bot 101, 102)	3	3	
Forest Engineering (F 123)			3
Unified Mathematics (Mth 105, 106, 107)	4	4	4
Elementary General Chemistry (Ch 201, 202, 203)	3	3	3
English Composition (Eng 111, 112, 113)	3	3	3
Military Science	1	1	1
General Hygiene and Physical Education (PE 151, 152, 153)	1	1	1
	18	18	18

Sophomore Year			
Mensuration (F 221, 222, 223)	4	4	4
Forest Engineering (F 224, 225, 226)	5	5	5
Principles of Economics (Ec 201, 202, 203)	3	3	3
Engineering Physics (Ph 111, 112)	3	3	
Logging Methods (L.E 293)			4
Military Science	1	1	1
Advanced Physical Education (PE 251, 252, 253)	1	1	1
	17	17	18

UPPER DIVISION CURRICULA

TECHNICAL FORESTRY

B.S. Degree

The following courses are for Junior and Senior students who are majoring in Technical Forestry.

	Term hours		
	1st	2d	3d
Junior Year			
Identification of Woods (F 331).....	4	.....	.....
Wood Utilization (F 332).....	.....	4	.....
Dendrology (F 353).....	.....	.....	4
Forest Administration (F 311, 312, 313).....	3	3	3
Silviculture (F 341, 342, 343).....	4	4	4
Principles of Forest Entomology (Ent 321).....	3	.....	.....
Principles of Accounting for Engineers (BA 385).....	.....	.....	3
Forest Engineering (F 321).....	3	.....	.....
Electives.....	.....	6	3
	17	17	17
Senior Year			
Forest Economics (F 411).....	4	.....	.....
Forest Finance (F 412, 413).....	.....	4	4
Lumber Seasoning (LM 494).....	4	.....	.....
Timber Mechanics (F 335).....	.....	4	.....
Forest Regulation (F 416).....	.....	.....	4
Seminar (F 407).....	1	1	1
Electives.....	8	8	7
	17	17	16

Recommended Electives

Modern Governments (PS 201, 202, 203).....	4	4	4
Business Law (BA 416, 417, 418).....	4	4	4
Range and Pasture Botany (Bot 341).....	3	.....	.....
Plant Ecology (Bot 441).....	.....	.....	3
Forest Entomology (Ent 323).....	.....	.....	3
Principles of Dietetics (FN 225).....	2	.....	.....
Principles of Zoology (Z 130).....	.....	5	.....
Money and Banking (Ec 413).....	4	.....	.....
Transportation (Ec 435).....	.....	.....	4
American Literature (Eng 161).....	3	or 3	or 3
General Geology (G 201).....	3	.....	.....
Business English (Eng 217).....	.....	.....	3
Personnel Management (BA 412).....	4	.....	.....
Climatology (Sls 319).....	.....	.....	2
Forest Pathology (Bot 251).....	.....	3	.....
Forest Soils (Sls 214).....	.....	.....	3

LOGGING ENGINEERING

B.S. Degree

The following courses are for junior and senior students who are majoring in Logging Engineering.

	Term hours		
	1st	2d	3d
Junior Year			
Identification of Woods (F 331).....	4	.....	.....
Wood Utilization (F 332).....	.....	4	.....
Logging Machine Design (LE 386).....	.....	.....	3
Bridge Design (LE 381).....	3	.....	.....
Logging Devices and Equipment (LE 382).....	.....	3	.....
Principles of Forest Entomology (Ent 321).....	3	.....	.....
Silviculture (F 345).....	3	.....	.....
Business Law (BA 256, 257).....	4	4	.....
Principles of Accounting for Engineers (BA 385).....	.....	.....	3
Extempore Speaking (Eng 130).....	.....	.....	3
Forest Pathology (Bot 251).....	.....	3	.....
Electives.....	.....	3	7
	17	17	16

	Senior Year		
	1st	2d	3d
Timber Transportation (LE 474, 475, 476)	5	5	5
Logging Plans (LE 471, 472, 473)	5	5	5
Forest Economics (F 411)	4	4	4
Forest Finance (F 412, 413)	1	1	1
Seminar (F 407)	2	2	2
Electives	17	17	17

Recommended Electives

Materials of Engineering (MM 311)	4	4	4
Differential and Integral Calculus (Mth 201, 202, 203)	2	3	---
Steam, Air, and Gas Power (ME 345)	2	---	---
Principles of Dietetics (FN 225)	4	---	---
Personnel Management (BA 412)	4	3	---
Cost Accounting for Industrials (BA 494)	4	---	---
Lumber Seasoning (LM 494)	4	---	---
Production Control (LM 312)	---	4	---

LUMBER MANUFACTURE*B.S. Degree*

The following courses are recommended for junior and senior students who are majoring in Lumber Manufacture.

	Junior Year		
	1st	2d	3d
Identification of Woods (F 331)	4	---	---
Wood Utilization (F 332)	---	4	---
Wood Grading (LM 333)	---	---	4
Business Law (BA 256, 257)	4	4	---
Principles of Accounting for Engineers (BA 385)	---	---	3
Money and Banking (Ec 413)	4	---	---
Timber Mechanics (F 335)	---	4	---
Transportation (Ec 435)	---	---	4
Electives	5	5	5
	17	17	16

Senior Year

Forest Economics (F 411)	4	---	---
Forest Finance (F 412, 413)	---	4	4
Lumber Seasoning (LM 494)	4	---	---
The Lumber Plant (LM 495)	---	4	---
Lumber Merchandizing (LM 496)	---	---	4
Production Control (LM 312)	---	4	---
Seminar (F 407)	1	1	1
Extempore Speaking (Eng 130)	3	---	---
Electives	5	4	8
	17	17	17

Students who plan to engage in the practical side of sawmilling will choose electives from the following:

Linear Drawing and Lettering (GE 111)	2	---	---
Elementary Mechanical Drawing (GE 112)	---	2	---
Steam, Air, and Gas Power (ME 345)	---	3	---
Materials of Engineering (MM 311)	---	3	---
Fuel and Lubricant Testing (MM 441)	3	---	---
Direct Currents (EE 351), Alternating Currents (EE 352)	---	3	3
Alternating Current Machinery (EE 353)	---	---	3
Forest Pathology (Bot 251)	---	3	---
Differential and Integral Calculus (Mth 201, 202, 203)	4	4	4

Students emphasizing the administrative side of lumber manufacture will choose electives from the following:

Business English (Eng 217)	---	---	3
Elements of Marketing (BA 223)	3	or 3	or 3
Water Transportation (Ec 436)	3	---	---
Typing (ST 121, 122, 123)	2	2	2

Logging Engineering

COURSES in Logging Engineering are designed to prepare men to deal with the woods problems peculiar to the lumber industry of the Pacific Northwest. Emphasis is placed upon the preparation of logging plans and the transportation of timber from the woods to the mills.

DESCRIPTION OF COURSES

LOWER DIVISION COURSE

LE 293. Logging Methods. Third term, 4 hours.

Yarding, skidding, and loading logs; falling and bucking; relative merits of various methods; all known methods of handling timber from the standing tree to the mill. A non-technical course. Three lectures, 1 two-hour laboratory period.

UPPER DIVISION COURSES

LE 370. Field Work. One to 6 hours.

Based upon practical work performed by the student between the sophomore and junior years or between the junior and senior years. Work must be done on some modern logging operation. A satisfactory report based upon an approved outline must be submitted.

LE 381. Bridge Design. First term, 3 hours.

Principles of the design of wood structures as applied to logging railroad practice. Stresses in simple trusses; details, specifications, and estimates for Howe truss. One recitation; 2 two-hour laboratory periods.

LE 382. Logging Devices and Equipment. Second term, 3 hours.

Rigging; types of logging railroad locomotives, cars, and trucks; donkey engines, aerial equipment, skidders, loading and unloading devices; construction equipment, inclines, wire rope; fire prevention equipment; modern camp layouts. One lecture; 2 two-hour laboratory periods.

LE 386. Logging Machine Design. Third term, 3 hours.

Designing logging equipment, rigging, and tools; drawings of standard equipment constructed in camp shops. One lecture; 2 two-hour laboratory periods.

LE 471. Logging Plans. First term, 5 hours.

Control of area. Instrument control; surveying timbered area; preparation of topographic and relief maps; cruising. One recitation; 1 three-hour field period; 1 nine-hour field period.

LE 472. Logging Plans. Second term, 5 hours.

Preparation of plans. Complete set of working plans for the area from data obtained in LE 471; plans showing logging area limits,

railroads, spurs, landings, machine settings, types of equipment to be employed, detailed cruise for each logging area; detailed costs per thousand covering the entire area. Prerequisite: LE 471. Three recitations; 2 two-hour laboratory periods.

LE 473. Logging Plans. Third term, 5 hours.

Management control. Organization, planning, standardization, employment, wage payment, purchasing, stores, tool storage and issuing, office management, plant layout, plant maintenance, production control. Prerequisite: LE 472. Three recitations; 2 two-hour laboratory periods.

LE 474. Timber Transportation. First term, 5 hours.

Chute and flume construction; pole roads; motor trucks; railroads adapted to logging operations. Three lectures; 2 three-hour laboratory periods.

LE 475. Timber Transportation. Second term, 5 hours.

Distinction between logging railroads and common carrier railroads; grades; alignment; economic theory of location and construction. Prerequisite: LE 474. One lecture; 1 three-hour laboratory period; 1 nine-hour field period.

LE 476. Timber Transportation. Third term, 5 hours.

Structures and materials used in logging railroads, costs of surveys, construction, operation, and maintenance; bridge and tunnel construction. Prerequisite: LE 475. One lecture; 1 three-hour laboratory period; 1 nine-hour field period.

GRADUATE COURSES

LE 501. Graduate Research. Terms and hours to be arranged.

Approved study and research for an advanced degree.

LE 503. Graduate Thesis. Terms and hours to be arranged.

The preparation of a thesis for an advanced degree.

Lumber Manufacturing

COURSES in Lumber Manufacture are designed to meet the needs of men who desire to prepare themselves for service in the lumber manufacturing industry. Especial attention is given to manufacturing conditions existing in the Pacific Northwest.

DESCRIPTION OF COURSES

UPPER DIVISION COURSES

LM 312. Production Control. Second term, 4 hours.

Discussion of production control systems as applied to sawmills; cost keeping versus bookkeeping; bonus, merit, profit-sharing. Three lectures; 1 two-hour laboratory period.

LM 333. Wood Grading. Third term, 4 hours.

A study of basic grades and standard commercial grading rules. Two lectures; 2 two-hour laboratory periods.

LM 494. Lumber Seasoning. First term, 4 hours.

Air seasoning. Fundamental principles underlying seasoning and kiln-drying of woods; kiln-drying methods and their merits; effect of kiln-drying upon wood structure; types of kilns; study of recording instruments used. Field trips required. Prerequisite: F 331. Two lectures; 2 two-hour laboratory periods.

LM 495. The Lumber Plant. Second term, 4 hours.

Discussion of various types of modern mills; electrical versus steam mills; machinery and power of small and large plant; lumber-handling devices. Examination of up-to-date mills and reports on them. Three lectures; 1 two-hour laboratory period.

LM 496. Lumber Merchandising. Third term, 4 hours.

Lumber salesmanship; selling agencies; trade associations; standardization of sizes and grades; trade-marking; advantages of wood construction. Prerequisite: LM 495. Four lectures.

GRADUATE COURSES

LM 501. Graduate Research. Terms and hours to be arranged.

Approved study and research for an advanced degree.

LM 503. Graduate Thesis. Terms and hours to be arranged.

The preparation of a thesis for an advanced degree.

Technical Forestry

BASIC training needed for the practice of forestry, particularly in the Northwest, is afforded in the courses in Technical Forestry. The scientific methods involved in measuring, tending, and utilizing the forest crop are stressed.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

F 111. General Forestry. First term, 3 hours.

Forest regions of the United States; the forests of the world, their distribution and importance; preliminary survey of the whole field of forestry. Origin and distribution of our public domain; development of forestry in the United States; forestry as a timber production problem; forestry as a land problem; present status of forestry legislation. May be elected by students in other schools. Three lectures or recitations.

F 112. Forest Protection. Second term, 3 hours.

Fire suppression; fire preparedness; fire administration. Three lectures or recitations.

F 123. Forest Engineering. Third term, 3 hours.

Theory and use of forest surveying instruments. Measurement of distance, direction, and elevation. Two recitations; 1 three-hour laboratory period.

F 153. Tree Identification. Third term, 3 hours.

Field characteristics and classification of principal timber trees of the Pacific Coast, their commercial range, local occurrence, size, growth, form; climate, soil, and moisture requirements; resistance; relative tolerance and reproduction. Two lectures; 1 three-hour laboratory or field period.

F 221. Mensuration. First term, 4 hours.

Measurement of felled timber and its products. The cubic contents; scaling and grading logs; piece and cord measurements. Three recitations; 1 three-hour field or laboratory period.

F 222. Mensuration. Second term, 4 hours.

Measurement of standing timber. The volume of individual trees; timber cruising; timber appraisals. Three recitations; 1 three-hour field period.

F 223. Mensuration. Third term, 4 hours.

The growth of timber. The growth of even-aged stands; growth of many-aged stands; growth of individual trees. Two recitations; 2 three-hour field periods.

F 224. Forest Engineering. First term, 5 hours.

Elements of forest mapping. Survey of a definite forest area; use of field data in map making; profiles; form lines; contour mapping; property maps; differential leveling; use of and application to forest surveys; transit and level—theory, use, and adjustments. Three recitations; 2 three-hour laboratory periods.

F 225. Forest Engineering. Second term, 5 hours.

Elements of forest mapping. Continuation of F 224; triangulation schemes; base-line measurements; traverses; drafting of maps; topographic conventional signs; free-hand lettering; computation of areas. Three recitations; 1 two- and 1 three-hour laboratory periods.

F 226. Forest Engineering. Third term, 5 hours.

Forest maps and mapping. Mapping definite area; contour maps by forest methods; Abney and aneroid methods; stadia and plane-table mapping; theory of photographic mapping of forested areas; solar and polar observations; costs. Prerequisite: F 225. Three recitations; 3 three-hour field periods.

UPPER DIVISION COURSES

- F 311. **Forest Administration (Policy)**. First term, 3 hours.
Development of land policies in the United States; state and Federal forest policies; private forestry. Three recitations.
- F 312. **Forest Administration (Laws)**. Second term, 3 hours.
A critical survey of state forest laws; the Federal laws dealing with forest lands and their administrative interpretation. Three lectures.
- F 313. **Forest Administration (Control)**. Third term, 3 hours.
Personnel work, and financial control on public and private forest property. Three lectures.
- F 321. **Forest Engineering**. First term, 3 hours.
Forest improvements. Road and trail location; construction and maintenance; forest bridges, telephone lines, lookout houses. Two recitations; 1 two-hour laboratory period.
- F 331. **Identification of Woods**. First term, 4 hours.
Study of wood structure; identification of important commercial woods; physical and structural properties. Two lectures; 2 two-hour laboratory periods.
- F 332. **Wood Utilization**. Second term, 4 hours.
Adaptation to commercial uses; chief wood-using industries and relative amounts of principal commercial species used annually; adaptation of wood to special purposes; substitutes for wood; minor uses of wood; by-products. Three lectures; 1 two-hour laboratory period.
- F 334. **Commercial Woods**. Third term, 3 hours.
Designed primarily to meet requirements of wood-workers and engineers. Identifying woods commonly used. Dendrology and its significance in wood technology. Seasoning, gluing, and preservation of woods. Two lectures; 1 two-hour laboratory period.
- F 335. **Timber Mechanics**. Second term, 4 hours.
Mechanical properties of principal commercial timber obtaining strength data; use of strength data. Two recitations; 2 two-hour laboratory periods.
- F 341. **Silviculture: Silvics**. First term, 4 hours.
The life-history of trees; tolerance; soil requirements; climate; fire resistance; forest description; forest ecology and forest types. Three lectures; 1 three-hour laboratory period.
- F 343. **Silviculture: Systems of Cutting**. Second term, 4 hours.
Marking trees for cutting; improvement of woodlands; protection as related to silviculture; natural and artificial regeneration. Three lectures or recitations; 1 three-hour laboratory period.

F 343. **Silviculture: Seeding and Planting.** Third term, 4 hours.

Collection and storage of forest tree seeds; nursery practice; field planting. Inspection of commercial and Forest Service nurseries. Three recitations; 1 three-hour laboratory period.

F 345. **Silviculture.** Third term, 3 hours.

Silvicultural practices requisite for insuring reproduction following logging; seed trees; selection cuttings; justifiable regeneration costs. For students in Logging Engineering. Three lectures or recitations.

F 353. **Dendrology.** Third term, 4 hours.

Classification and identification of forest trees, including study of forest ecology and taxonomy; silvical characteristics, and distribution of commercial species; life-history and requirements of trees. Two recitations; 2 two-hour laboratory periods.

F 370. **Field Work.** One to 6 hours.

Based upon practical work performed by the student between the sophomore and junior years or between the junior and senior years. Work must be done in connection with some technical forestry work carried on by private interests, the State or by the Forest Service. A report based upon an approved outline must be submitted.

F 411. **Forest Economics.** First term, 4 hours.

Survey of the forest resources of the world. Progress of forest removal in the United States. Forestry and land use. Forestry and community stability. The lumber industry and its problems. Forestry in the future economic life of the country. Four lectures or recitations.

F 412, 413. **Forest Finance.** Second, third terms; 4 hours each term.

Investments and costs in forest production; value of forestry property for destructive lumbering and for continued timber production; appraisal of damages due to the destruction of forest property; forest taxation; stumpage values; comparison of forest values with agricultural values; timber bonds; ultimate ownership of forest lands. Four lectures or recitations.

F 416. **Forest Regulation.** Third term, 4 hours.

Forest organization and working plans. Ownership, classification, and uses of land; acquisition of forest lands; investigative projects to determine forestry principles and methods; administrative projects to determine location, areas and quantities; divisions of the forest; regulation of the forest; sustained yield; working plans; revision of working plans. Three lectures; 1 two-hour conference period.

F 407. **Seminar.** Terms to be arranged, 1 hour each term.

Preparation and discussion of reports of special subjects; current forestry and lumbering literature; labor problems. Each student is required to prepare a thesis on some assigned subject. One two-hour conference period.

F 417, 418. **General Forestry.** First and second terms, 2 hours each term.

Survey of the field of technical forestry. Of special interest to those who plan to enter the Federal or State Forest Service. Two recitations.

GRADUATE COURSES

F 501. **Graduate Research.** Terms and hours to be arranged.

Approved study and research for an advanced degree.

F 503. **Graduate Thesis.** Terms and hours to be arranged.

The preparation of a thesis for an advanced degree.

main object in attending college is preparation for home life. Courses in English, art, history, modern languages, science, and the other departments of general training, supplement the technical courses in this curriculum, which aims to provide a liberal as well as a technical education. The true homemaker not only must be trained in the science, the art, and the economics of the household, but also must have a well-rounded personality, with intelligent interests, trained judgment, and cultivated tastes, enabling her to solve successfully the problems of the changing modern home, with its complex social and civic relationships.

In Curriculum A, which prepares for the more technical pursuits, the work is largely prescribed for the first two years. In the junior and senior years the student may specialize in some particular field, as in the teaching of home economics, home economics extension, institutional management, or commercial fields. Each of these in turn offers a variety of possibilities. Teaching positions include home economics in secondary schools, colleges, universities or other institutions of higher learning, and in the field of club work and adult extension from state colleges.

Facilities at Corvallis. The Home Economics Building is equipped with modern facilities for carrying on all phases of home economics work.

The Foods and Nutrition department has seven laboratories, including one dietetic laboratory, animal laboratory, and facilities for instruction in family cookery and table service.

The department of Clothing and Related Arts has seven laboratories provided with modern equipment including textile and applied design laboratories.

In addition to the recitation rooms and equipment laboratories located in the Home Economics Building, the Household Administration department operates two Home Management Houses, Kent and Withycombe, and the Nursery School, housed in Covell House. These three houses are located on the campus.

The Institution Economics department is unusually well provided with space and equipment. The Memorial Union dining-room facilities afford opportunity for training in different types of food service including table d'hote, tea room, banquet and catering service. The central kitchen and cold storage rooms are equipped with modern labor-saving and power equipment. The halls of residence both for men and for women are available for study of housing problems.

The supervised teaching is carried on in the public schools of Corvallis, the plant and equipment of the high schools being used by the student-teacher group.

The Home Economics Extension department, through which the School of Home Economics maintains direct relationship with the homemakers and the 4-H Club girls of the state, provides guidance to undergraduate and graduate students who wish to specialize in this field. The department supervises apprenticeship training in counties located near the College.

Major Curricula at Corvallis. The School of Home Economics at Corvallis offers three undergraduate curricula: Curriculum A and Curriculum B, which have a common freshman-year program, diverging at the begin-

ning of the sophomore year; and Curriculum C, an upper division curriculum admitting students who hold the Junior Certificate.

- A. A four-year professional curriculum leading to the degree of Bachelor of Science, including technical courses, together with the basic arts and sciences, languages, history, economics, and sociology, for those desiring training not only for homemaking but also for positions in home economics teaching, institutional management, extension work, and commercial fields. The courses for the first two years are prescribed, giving the necessary foundation for any of the occupations. Specialization within limits is possible during the junior and senior years. A student completing this curriculum meets the requirements of the Federal Board for Vocational Education for the Smith-Hughes teacher.
- B. A four-year general curriculum leading to the degree of Bachelor of Science, planned for students who wish training in the principles of homemaking together with a general cultural education. Students in this curriculum must meet the institutional requirements for a major in Home Economics and select one or more norms from other departments* in the College in which the student is interested. Students wishing to teach home economics combined with one or two other subjects, may register in this curriculum.
- C. A four-year curriculum leading to the degree of Bachelor of Science based upon two years of lower division general work combined with enough Home Economics courses in the junior and senior years to meet the institutional requirements for a major in home economics. This curriculum is planned for the student whose interest the first two years is in general lower division but who desires to pursue some line of home economics in the junior and senior years. Students completing the general Lower Division at either Corvallis or Eugene may enter this curriculum at the beginning of the junior year.

In addition, all departments of the School of Home Economics offer graduate work leading to advanced degrees. See the section of this catalog devoted to Graduate Study.

For homemakers, special students, and students registered in other schools on the campus, the School offers service and special courses. See description of courses.

A norm in Home Economics for students in certain other schools is outlined under each school.

Requirements for Graduation. For the bachelor's degree in Home Economics a minimum of 186 term hours must be completed. The work should be distributed as suggested by the following curricula. At least 62 hours in upper division courses are required, 45 of which must have been earned subsequent to the receipt of the junior certificate. Transfers from other institutions are required to complete at least 18 term hours in Home Economics at this institution.

Lower Division and Service Work at Eugene. On the Eugene campus courses in Home Economics are offered to meet the needs of students majoring in other fields. Students completing the general Lower Division work as offered at both Corvallis and Eugene may enter Curriculum C in the School of Home Economics in the junior year. The department of Home Economics at Eugene occupies the greater part of the Extension Building. The department has facilities for instruction in the fields of work offered.

Curricula in Home Economics

B.S., M.S. Degrees

Freshman Year

The freshman year for Curriculum A and Curriculum B is identical. Students may thus defer choice between the two curricula until after a year of basic college training. For the freshman year in Curriculum C see page 442.

	Term hours—		
	1st	2d	3d
Lower Division Drawing (AA 291).....	3	3	...
Landscape Architecture (LA 279).....	...	...	3
² Year-sequence applicable in satisfying group requirement in Social Science group	3	3	3
² Elementary General Chemistry (Ch 201, 202, 203) or other year-sequence applicable in satisfying requirement in Biological Science or Physical Science group	3	3	3
² English Composition (Eng 111, 112, 113).....	3	3	3
Social Ethics (PE 131).....	1	1	1
General Hygiene (PE 111, 112, 113).....	1	1	1
Appreciation of Music (Mus 120).....	1	1	...
Introduction to Home Economics (HAd 101).....	3	or (3)	or (3)
Elementary Physical Education (PE 114, 115, 116).....	1	1	1
Elective .....	...	...	3
	17	15	17

Curriculum A

Sophomore Year

Year-sequence applicable in satisfying requirement in Humanities group (English)	3	3	3
Organic Chemistry (Ch 221), Elementary Biochemistry (Ch 251).....	5	5	...
Elementary Human Physiology (Z 211, 212).....	...	3	3
Outlines of Psychology (Psy 211).....	...	...	4
³ Textiles (CT 250), Clothing (CT 211, 212) or Clothing (CT 217), Clothing Selection and Construction (CT 218, 219).....	3	3	3
Foods (Preparation, Marketing, Planning) (FN 220, 221, 222).....	3	3	3
Advanced Physical Education (PE 214, 215, 216).....	1	1	1
	15	18	17

¹Group requirement in Social Science may be satisfied by the following sequence: Ed 101, 102; HAd 101.

²General Chemistry is required in Curriculum A and should be taken in the freshman year.

³Students having had no previous Clothing courses are required to take CT 111 as a prerequisite to CT 211.

	Junior Year			Term hours		
	1st	2d	3d	1st	2d	3d
¹ Related Art						3
Costume Design (CT 311).....	3					4
Household Management (HAd 340).....					3	
Clothing (CT 312).....				3		
General Bacteriology (Bac 201, 202).....	3					
Physics for Home Economics Students (Ph 214).....	5					
Outlines of Economics (Ec 211).....					4	
Extempore Speaking (Eng 130) or Elementary Journalism (J 111).....	3					
Nutrition (FN 320, 321).....					3	3
Electives	3			3		6
				17	16	16
Senior Year						
Child Development (HAd 320).....	3					
Home Management House (HAd 350).....					4	
General Sociology (Soc 211).....						4
House Furnishing (CT 331).....						3
Political Science						4
Electives	9			8		3
				12	12	14

HOME ECONOMICS TEACHING²

For students preparing to teach home economics the following sequence is suggested.

	Junior Year			Term hours		
	1st	2d	3d	1st	2d	3d
Educational Psychology (Ed 312).....	3					
Secondary Education (Ed 311).....						3
Principles of Teaching (Ed 313).....	3					
Methods in Home Economics (Ed 331).....					3	
Senior Year						
Measurements in Secondary Education (Ed 416).....	3	or 3	or 3			
The Curriculum in Home Economics (HEd 411).....	3	or 3	or 3			
Supervised Teaching (Ed 315) (hours to be arranged).....						

INSTITUTION ECONOMICS AND DIETETICS

For students in Curriculum A preparing for positions as dietitians in hospitals, dormitories, cafeterias, hotels and tea rooms, the following courses are required.

	Term hours		
	1st	2d	3d
Constructive Accounting (BA 111, 112).....	3	3	
Educational Psychology (Ed 312).....	3		
Principles of Teaching (Ed 313).....		3	
Quantity Cookery and Catering (IEc 311).....	3		
Elementary Physiological Chemistry (Ch 330).....			5
Diet in Disease (FN 420).....			3
Institutional Organization and Administration (IEc 430).....	2		
Institutional Equipment (IEc 420).....		3	
Institutional Marketing (IEc 440).....			2
Institution Experience (IEc 450).....			4

HOME ECONOMICS EXTENSION

For students in Curriculum A preparing for positions in the field of home economics extension the following courses are suggested.

	Junior Year			Term hours		
	1st	2d	3d	1st	2d	3d
Educational Psychology (Ed 312).....					3	
Household Equipment (HAd 350).....					3	
Applied Design (CT 335).....						3
Principles of Teaching (Ed 313).....						3
Elementary Journalism (J 111).....	3					
Public Information Methods (J 213).....					3	
Senior Year						
Extempore Speaking (Eng 130).....	3					
The Family (Soc 312).....						3
Methods in Home Economics Extension.....	2					2
Food Purchasing (FN 411).....					3	or 3

¹Choice of CT 335; AA 100, 101.

²Twenty-three credits in Education are required for a teaching certificate but are not required for graduation in Home Economics.

Curriculum B

Not more than one-third of the 186 term hours required for a degree in this curriculum may be in Home Economics. Of the remainder, 66 term hours are required courses in arts and sciences. Of the remaining 59 term hours, one or more norms of 18 hours each must be taken in other schools than Home Economics.

Sophomore Year	Term hours		
	1st	2d	3d
Year-sequence applicable in satisfying group requirements in Humanities group (Literature).....	3	3	3
General Bacteriology (Bac 101).....	3	.....	.....
Outlines of Economics (Ec 211).....	.....	4	.....
Foods (FN 211, 212, 213).....	3	3	3
Textiles (CT 250).....	3	.....	.....
Clothing (CT 211, 212).....	.....	3	3
Principles of Dietetics (FN 225).....	2	.....	.....
Advanced Physical Education (PE 214, 215, 216).....	1	1	1
Electives.....	.....	3	6
	15	17	16

Junior Year

Household Management (HAd 340).....	4	.....	.....
Outlines of Psychology (Psy 211).....	4	.....	.....
Food Purchasing (FN 411).....	.....	(3) or	3
General Sociology (Soc 211).....	.....	4	.....
Political Science.....	.....	.....	3
House Furnishing (CT 311).....	3	.....	.....
The Family (Soc 312).....	.....	3	.....
Electives (Soc 312).....	4	9	9
	15	16	15

Senior Year

Electives in Home Economics (upper division).....	7	.....	.....
Child Development (HAD 320).....	.....	3	.....
Home Management House (HAD 350).....	.....	.....	4
Electives.....	7	11	10
	14	14	14

COMMERCIAL WORK IN CLOTHING AND RELATED ART

For students interested in commercial work in the fields of clothing, textiles, and related arts the following courses are suggested.

	Term hours
Six terms of French.....	24
Two terms of Lower Division Drawing (AA 291).....	6
Three terms of Lower Division Painting (AA 290).....	9
Extempore Speaking (Eng 130).....	3
Elementary Journalism (J 111).....	3
Elementary Chemical Microscopy (Ch 320).....	3
Dress Design (CT 411).....	3
Commercial Clothing (CT 412).....	3
House Furnishing (CT 431).....	3
Applied Design (CT 435).....	3

SUGGESTED NORMS

It is desirable that the elective work provided for in this curriculum shall contribute to a well-balanced four-year program. The electives must be chosen so as to include at least one norm of 18 term hours in a single field. Suggested outlines of norms in various fields, such as arts and science, physical education, journalism, speech and dramatics, languages, business administration and secretarial training, are supplied to students on request.

Curriculum C

Not more than one-third of the 186-term hours required for a degree in this curriculum may be in Home Economics. A minimum of 41 term hours in Home Economics is required in the junior and senior years. Of the required 41 term hours 32 to 34 are prescribed in the junior and senior years and the remaining 7 to 9 elective term hours are to be chosen from the options listed.

Freshman and Sophomore Years

Courses in lower division general work to be selected from the following groupings—Biological Science, Humanities, Physical Science, and Social Science—with a 9-hour sequence in two groups.

Junior Year	Term hours		
	1st	2d	3d
Principles of Dietetics (FN 225).....	2		
Foods (FN 211, 212, 213) or (FN 220, 221, 222).....	3	3	3
Textiles (CT 250, 211, 212) or Clothing Selection (CT 217, 218, 219).....	3	3	3
House Furnishing (CT 331 or CT 231).....		3	
Electives	8	7	10
	16	16	16

Senior Year

Home Economics courses to be chosen from the options listed below.....	3		4
Household Management (HAd 340).....	4		
Child Development (HAd 320).....		3	
Home Management House (HAd 350).....			4
Electives	8	12	6
	15	15	14

Senior Options

From the following options 16 term hours must be chosen in order to complete the minimum of 41 required term hours in home economics.

	Term hours
Nutrition (FN 320, 321).....	6
Food Economics (FN 411).....	3
Diet in Disease (FN 420).....	3
Experimental Cookery (FN 435).....	3
Readings in Nutrition (FN 481).....	3
Behavior Problems (HA 421).....	2
Nursery School (HAd 425).....	3
Costume Design (CT 311).....	3
Clothing (CT 312).....	3
Applied Design (CT 335).....	3
Dress Design (CT 411).....	3
Commercial Clothing (CT 412).....	3

Home Economics Courses at Eugene

CLOTHING, TEXTILES, AND RELATED ARTS	Term hours		
	1st	2d	3d
Clothing Construction (CT 111, 112, 113).....	3	3	3
Clothing Selection (CT 114, 115, 116).....	1	1	1
Home Planning and Furnishing (CT 231).....	1		
FOODS AND NUTRITION			
Foods (FN 211, 212, 213).....	3	3	3
Principles of Dietetics (FN 225).....	2		or 2
Camp Cookery (FN 250).....			1
HOUSEHOLD ADMINISTRATION			
Child Care and Training (HAd 225).....			3
Family and Personal Budgets (HAd 240).....		1	
Household Management (HAd 339).....		3	

Clothing, Textiles, and Related Arts

OFFICES, classrooms, and laboratories of the Department of Clothing, Textiles, and Related Arts at Corvallis are located in the Home Economics Building. All necessary furnishings and equipment are available for thorough instruction in textiles, clothing, tailoring, costume design, house decoration, and textile design.

DESCRIPTION OF COURSES

AT CORVALLIS

REQUIRED

Curriculum A: CT 211, 212, 250, 311, 312, 331.

Curriculum B: CT 211, 212, 250, 331.

Curriculum C: CT 211, 212, 250, 331 or 231.

ELECTIVE

Curriculum A: CT 411, 412, 435.

Curriculum B: CT 312, 335, 431.

Curriculum C: CT 231, 311, 312, 331, 335, 411, 412.

For students in Business Administration, Education, Pharmacy, etc.: CT 217, 218, 219, 231.

Students planning to register for clothing courses CT 111, 211, 212, 311, should keep in mind, when planning their wardrobes for the college year, that these courses require a certain amount of clothing construction. Students in Clothing and Textiles courses who do not wish to make garments for themselves may be furnished material through orders given the department.

LOWER DIVISION COURSES

CT 111. Elementary Clothing and Textiles. First or third term, 3 hours.

Fundamental processes of hand and machine sewing; design and construction of simple garments and household articles. Required of all Home Economics students who have not had sufficient high school work in clothing, or its equivalent in shop or home experience, to enter CT 211. Six periods laboratory work.

CT 211. Clothing. First or second term, 3 hours.

Selection and construction; the selection is from the artistic standpoint; in construction, the emphasis is placed upon the use of sewing equipment, fitting, and the use of commercial patterns. Prerequisites: two terms of Lower Division Drawing. Two lectures; 2 two-hour laboratory periods.

CT 212. Clothing. Second or third term, 3 hours.

Application of design to dressmaking with emphasis on technique of construction. Making of different types of garments in various materials. A study of wardrobe needs and of clothing costs. Prerequisite: CT 211. One recitation; 2 two-hour laboratory periods.

CT 217. Clothing Selection. First or second term, 3 hours.

A brief lecture course intended to develop good taste in dress and to train the judgment of young women in selecting simple, conservative, artistic, becoming, and appropriate clothes for themselves and others. For students not electing art. Three lectures.

CT 218, 219. **Clothing Selection and Construction.** Second and third terms, 3 hours each term.

Principles of selection and construction applied in the planning and making of garments. Elective for other than Home Economics students wishing to cover briefly the field of dress selection and construction. Prerequisite: CT 217. Three two-hour laboratory periods.

CT 231. **House Furnishing.** First or third term, 3 hours.

Brief course seeking to develop appreciation of beauty and suitability in home furnishings and some knowledge of the materials and processes involved. Elective for students other than Home Economics. Two recitations; 1 two-hour laboratory period.

CT 250. **Textiles.** Any term, 3 hours.

Study of standard fabrics from the standpoint of the consumer with the aim of developing good judgment in the buying and use of clothing and house furnishing materials. Properties and uses of different textile fibers and fabrics studied. Two lectures; 1 two-hour laboratory period.

UPPER DIVISION COURSES

CT 311. **Costume Design.** Any term, 3 hours.

Principles of art applied in the selection and designing of appropriate costumes. Brief study of historic costume and its relation to modern dress. Prerequisites: CT 250, 212; two terms of Lower Division Drawing. Three two-hour laboratory periods.

CT 312. **Clothing.** Any term, 3 hours.

(Advanced course.) This course aims to develop more independence, initiative, originality, and art in selecting, planning, designing, and constructing garments for different types of figures. Skill in handling difficult materials is an object. Prerequisites: CT 212, 250, 311. One lecture; 2 two-hour laboratory periods.

CT 331. **House Furnishing.** Any term, 3 hours.

A study of the points to be considered in selecting and furnishing a small home from the standpoint of comfort, beauty, and economy. Prerequisites: One term of Lower Division Drawing; CT 250. Two recitations; 1 two-hour laboratory period.

CT 335. **Applied Design.** Any term, 3 hours.

Decorative art involving careful consideration of line, form, proportion, and color; designs adapted and executed in various media for clothing and house-furnishing problems; tie-dying, batik, and stencil decoration for textiles, embroidery, weaving, block-printing. Prerequisites: two terms of Lower Division Drawing; CT 250. Three two-hour laboratory periods.

CT 411. **Dress Design.** Third term, 3 hours.

Designing, modeling, and constructing of afternoon and evening dresses; study of development of historical costume and its relation to modern fashions with aim of giving practical help and inspiration

to students and teachers of dressmaking and costume design. Offered in alternate years, alternating with CT 412. Offered 1933-34. Prerequisites: CT 311, 312. One lecture; 4 periods laboratory work.

CT 412. Commercial Clothing. Third term, 3 hours.

(For students who wish to enter commercial or specialty shop work.) Broader training in selecting, designing, fitting, and constructing garments for different types of figures; organization of work from trade standpoint; emphasis on speed, economy, effectiveness, selling features, etc. Offered in alternate years, alternating with CT 411. Offered 1932-33. Prerequisite: CT 312. One lecture; 4 to 9 periods laboratory work.

CT 431. House Furnishing. Third term, 3 hours.

(Advanced course.) A study of historic periods of decoration with emphasis upon their backgrounds, furniture and decorative textiles and with their practical application to the home. Offered in alternate years, alternating with CT 435. Offered 1932-33. Prerequisite: CT 335. Two lectures; 1 two-hour laboratory period.

CT 435. Applied Design. Any term, 3 hours.

(Advanced course.) Continuation of CT 335 for students desiring more advanced work in applied design. Readings and reports. Offered in alternate years, alternating with CT 431. Offered 1933-34.

GRADUATE COURSES

CT 501. Graduate Study and Research. Any term, hours to be arranged.

Special problems in the Clothing, Textiles, and Related Arts fields are selected for investigation and study. Readings, discussions, and conferences in subject-matter, bibliographies, and recent developments.

CT 503. Graduate Thesis. Any term, 6 to 12 hours.

Original problems chosen by the student or suggested by the department are studied and reported upon in thesis form.

AT EUGENE

LOWER DIVISION COURSES

CT 111, 112, 113. Clothing Construction. Three terms, 2 hours each term.

The purpose of this course is to give practice in the adaptation of patterns, fitting of garments, and the basic processes of the construction of artistic clothing. This course must be accompanied by CT 114, 115, 116, Clothing Selection. No prerequisite. Two two-hour laboratory periods.

CT 114, 115, 116. Clothing Selection. Three terms, 1 hour each term.

A study of the selection of clothing from the standpoints of design, textile material, hygiene, and cost for homemade and ready-made garments. Required with CT 111, 112, 113, Clothing Construction, but may be elected independently. No prerequisite. One lecture.

CT 231. **Home Planning and Furnishing.** First term, 3 hours.

A study of the principles involved in the planning and furnishing of a home. Two lectures; 1 two-hour laboratory period.

Foods and Nutrition

SIX single foods laboratories at Corvallis accommodating twenty students each are provided with modern equipment, including gas, electric, and wood ranges. Two dining-rooms are used in meal service in the department and for occasions by the School. A laboratory for animal experimentation and one for basal metabolism are provided for advanced work in nutrition.

Two complete approved uniforms are required for all students taking laboratory courses in foods and nutrition.

DESCRIPTION OF COURSES

AT CORVALLIS

REQUIRED

Curriculum A: FN 220, 221, 222, 320, 321.

Curriculum B: FN 211, 212, 213, 225, 411.

Curriculum C: FN 211, 212, 213, 225 or 220, 221, 222.

ELECTIVE

Curriculum A: FN 411, 420, 435, 481.

Curriculum B: FN 411.

Curriculum C: FN 320, 321, 411, 420, 435, 481.

For students in Business Administration, Education, Pharmacy, etc.: FN 211, 212, 213, 225, 250. If FN 211, 212, 213 or FN 220, 221, 222 are elected the full three terms must be completed.

LOWER DIVISION COURSES

FN 211, 212, 213.* Foods. Three terms, 3 hours each term.

An introduction to subject of foods; selection, preparation, and service. For students not electing chemistry. Prerequisites or parallel: one year of a laboratory science. Two recitations; 2 two-hour laboratory periods.

FN 218. Food Selection and Preparation. Any term, 3 hours.

A unit course for students who desire to learn food selection and preparation by meal service. Elective for students other than Home Economics. One recitation; 2 two-hour laboratory periods.

FN 220, 221, 222.* Foods. Three terms, 3 hours each term.

Study of foods in their scientific and economic aspects; selection, preparation, and service. Prerequisites: Ch 201, 202, 203. Two recitations; 2 two-hour laboratory periods. Professor Williams.

*Home practice in food preparation is required of students who have completed FN 213 and FN 222, the character and amount of practice being arranged with the instructors in charge.

FN 225. Principles of Dietetics. Any term, 2 hours.

The nutritive value of food; the selection of a proper diet for health, based on dietetic principles. Required in Commerce, Pharmacy, and in General Curriculum in Home Economics; elective to others. Two lectures.

FN 250. Camp Cookery. Third term, 1 hour.

Preparation of palatable and nutritious products from foods available in camps, outdoor food preparation involving the use of Dutch ovens, reflectors, and improvised camping utensils. One lecture; 1 two-hour laboratory period.

UPPER DIVISION COURSES

FN 320. Nutrition. First or second term, 3 hours.

A scientific study of nutrition in relation to health; digestive and metabolic processes and products; methods of investigation which have established the quantitative basis in dietetics and the standards which have been adopted. Prerequisites: FN 222, Ch 251. Two recitations; 1 two-hour laboratory period.

FN 321. Nutrition. Second or third term, 3 hours.

A continuation of FN 320, and the application of these scientific principles in the nutrition of the individual and family group. Projects in animal experimentation and preschool child feeding. Prerequisites: FN 320, Z 212. Two recitations; 1 two-hour laboratory period.

FN 411. Food Purchasing. Second or third term, 3 hours.

Household marketing; study of grades, brands, and qualities of food products as found on the market; factors governing cost; food laws; the ethics of food buying and selling; field problems assigned. Prerequisite: FN 213 or 222. Two lectures; 2 two-hour laboratory periods.

FN 420. Diet in Disease. Third term, 3 hours.

A study of diets for abnormal conditions. A preliminary course for students who wish to become hospital dietitians or nutrition specialists. Prerequisites: FN 321, Z 211, 212. Three lectures.

FN 422. Basal Metabolism. First term, 3 hours.

A study of the measurement of energy metabolism in the human body with practice in the use of the respiration apparatus. Prerequisite: FN 321.

FN 423. Animal Experimentation. Any term, 3 hours.

A study of the quantitative methods used in nutrition research in which the white rat and guinea pig are used. Prerequisite: FN 321.

FN 435. Experimental Cookery. First term, 3 hours.

Development of experimental methods and their application to investigations in cookery and the skills involved. Acquaintance with the literature in this field. Preparation of the student for independent research in Foods. Prerequisites: Ph 114, Ch 251, FN 222. Six periods.

FN 481. Readings in Nutrition. One term, 3 hours.

Acquaints the student with research in nutrition as reported in scientific journals. A broad background of science is required to interpret recent advances in the chemistry of food and metabolism. Offered alternate years. Offered 1933-34. Prerequisite: FN 321. Two two-hour periods.

GRADUATE COURSES

FN 501. Graduate Study and Research. Any term, hours to be arranged.

Research problems for which the student is suited by previous training and ability. Assignment of problems by the professor in charge.

FN 503. Graduate Thesis. Any term, 6 to 12 hours.

Original problems chosen by the student or suggested by the department are studied and reported upon in thesis form.

AT EUGENE

LOWER DIVISION COURSES

FN 211, 212, 213. Foods. Three terms, 3 hours each term.

An introduction to the subject of foods; selection, preparation, and service. No prerequisite. Two recitations; 2 two-hour laboratory periods.

FN 225. Principles of Dietetics. First or third term, 2 hours.

The nutritive value of food; the selection of a proper diet for health, based on dietetic principles. Open to men and women. No prerequisite. Two lectures.

FN 250. Camp Cookery. Third term, 1 hour.

A course chiefly for men, or for women who cannot carry more than one hour of this work a term. No prerequisite. One three-hour laboratory period.

Home Economics Education

PROFESSIONAL training to prospective teachers of home economics is afforded by the department of Home Economics Education. Any student having a scholarship record below average should confer with the Dean of the School of Home Economics before registering for teacher training work.

This department is a joint department within both the School of Home Economics and the School of Education.

DESCRIPTION OF COURSES AT CORVALLIS

UPPER DIVISION COURSES

Ed 331. Special Methods in Home Economics. First term, 3 hours.

An introduction to the field of home economics education. Study of Smith-Hughes problems in home economics. Principles of teaching applied to home economics instruction. Prerequisite or parallel: Ed 313. Three recitations. Professor Blazier.

Ed 332. Methods of Teaching Related Art. First term, 3 hours.

Selection and organization of subject-matter in art in its application to vocational courses authorized under the Smith-Hughes act; special methods in teaching related art. Prerequisite or parallel: Ed 313. Three recitations. Professor Blazier.

HEd 411. The Curriculum in Home Economics. Any term, 3 hours.

A study of the basic principles of curriculum construction applied to the organization of home economics courses in secondary schools. Prerequisite: Ed 331. Three recitations. Professor Blazier.

HEd 413. The Supervision of Home Projects. Third term, 2 hours.

A study of the use of home projects in home economics instruction with field work in supervision of home projects. Prerequisite: HEd 411. One recitation; 1 two-hour laboratory period. Professor Blazier.

HEd 415. Adult Education in Home Economics. Second term, hours to be arranged.

Study of problems in the adult education program authorized under the Smith-Hughes Act. Field work in promoting, organizing, observing, and teaching adult classes. Prerequisite: HEd 411. Professor Blazier.

GRADUATE COURSES

Ed 501. Educational Research. Terms and hours to be arranged.

Problems in home economics education. Professor Blazier.

Ed 503. Thesis. Terms and hours to be arranged.

Home Economics Extension

HOME Economics Extension is a department of the School of Home Economics as well as a division of the Federal Cooperative Extension Service. In it centers all non-resident teaching in home economics, both junior and senior, for which the School is responsible. Through this department the School cooperates with the Extension Service of the College and the United States Department of Agriculture, Washington, D.C., in the development and supervision of the county home demonstration program. Through this department the School aims to

serve the homemakers of the state by correspondence on problems that home economics subject-matter can solve, by correspondence courses, and by the preparation and distribution of bulletins and club programs.

For special courses in Home Economics Extension see the announcements for the Summer Session.

Household Administration

OFFICES, classrooms, and equipment laboratory for the department of Household Administration at Corvallis are afforded in the Home Economics Building. Two well-equipped and self-supporting Home Management houses and a Nursery School are located on the campus.

DESCRIPTION OF COURSES AT CORVALLIS

REQUIRED

Curriculum A: HAd 101, 320, 340, 350.
Curriculum B: HAd 101, 320, 340, 350.
Curriculum C: HAd 101, 320, 340, 350.

ELECTIVE

Curriculum A: HAd 330, 421, 425.
Curriculum B: HAd 330, 421, 425.
Curriculum C: HAd 330, 421, 425.

For students in Business Administration, Education, Pharmacy, etc.: HAd 225 (required in Business Administration), HAd 111, 240, 320, 330, 340, 421, 425, 350.

LOWER DIVISION COURSES

HAd 101. Introduction to Home Economics. First or second term, 3 hours.

A course for beginning students. Purpose: value and scope of home economics. Considerable attention will be given to the problems of the individual student. Three recitations.

HAd 225. Child Care and Training. First or third term, 3 hours.

A study of the growth, development, and training of the young child. For students other than those in Home Economics degree curricula. Three recitations. Professor Prentiss.

HAd 240. Family and Personal Budgets. Any term, 1 hour.

A unit course for students who desire to gain greater proficiency in the control of their personal finances and a knowledge of the principles governing the making of family budgets. Elective to men and women not majoring in Home Economics. One lecture.

UPPER DIVISION COURSES

HAd 320. Child Development. First or second term, 3 hours.

A study of the growth and development of the young child. Prerequisite: Psy 203 or 211. Three recitations. Professor Prentiss.

HAd 330. **Household Equipment.** Second term, 3 hours.

Selection, operation, care, and arrangement of household equipment. One recitation; 2 two-hour laboratory periods. Prerequisite: one term of Foods.

HAd 340. **Household Management.** First or second term, 4 hours.

An application of the principles of scientific management to the home; management of household operations and finances; family and community relationships. Prerequisites: FN 218, or 213 or 222; CT 219, or 212. Four recitations. Professor Johnson.

HAd 350. **Home Management House.** Any term, 4 hours.

This course affords opportunity for living in the Home Management House for six weeks and assuming the responsibilities involved in managing a home. Prerequisites: HAd 340; HAd 225 or 320. Daily work in house. Fee \$7.00 a week for board. Mrs. Thomas and Miss Spike.

HAd 407. **Seminar in Home Management.** Any term, 1 hour each term.

Discussion of research in the home management field.

HAd 408. **Seminar in Child Development.** Any term, 1 hour each term.

Discussion of research in child development as reported in scientific literature.

HAd 421. **Behavior Problems.** Second or third term, 2 hours.

A consideration of everyday problems of behavior with the aim of improving the management of children. Prerequisite: HAd 320 or 225. Two recitations. Professor Prentiss.

HAd 425. **Nursery School.** Any term, 3 hours.

Observation and study of a group of young children. Prerequisite or parallel: HAd 225 or 320. Two three-hour laboratory periods; 1 recitation. Mrs. Brandon.

GRADUATE COURSES

HAd 501. **Graduate Study and Research.** Any term, hours to be arranged.

Research problems for which the student is suited by previous training and ability. Assignments of problems by professor in charge.

HAd 503. **Graduate Thesis.** Any term, 6 to 12 hours.

Original problems chosen by the student or suggested by the department are studied and reported on in thesis form.

AT EUGENE

LOWER DIVISION COURSES

HAd 225. **Child Care and Training.** Third term, 3 hours.

A study of the growth, development and training of the young child. No prerequisite. Three recitations.

HAd 240. Family and Personal Budgets. Second term, 1 hour.

A unit course for students who desire to gain greater proficiency in the control of their personal finances and a knowledge of the principles governing the making of family budgets. No prerequisite. One recitation.

UPPER DIVISION SERVICE COURSE

HAd 339. Household Management. Second term, 3 hours.

An application of the principles of scientific management to the home; management of household operations and finances; family and community relationships. Three recitations.

Institution Economics

COURSES in Institution Economics are planned to meet the needs of students who desire to prepare for positions in the field of institutional management. Three halls of residence for women and five for men, together with the banquet and tea rooms in the Memorial Union are used as laboratories. The facilities are adequate for thorough training in this field.

DESCRIPTION OF COURSES AT CORVALLIS

UPPER DIVISION COURSES

IEc 311. Quantity Cookery and Catering. First term, 3 hours.

Application of principles of cookery to the preparation of food in large quantity; standardization of formulas, dietetic value, cost; use of modern equipment; menu planning. Experience in the preparation and service of daintier foods for special functions. Prerequisite: FN 213 or 222. One lecture; 2 two-hour laboratory periods. Assistant Professor Bibee.

IEc 320. Cafeteria Management. Summer session, 3 hours.

This course is offered to meet the needs of the student who plans to teach and manage a school cafeteria. The work includes menu study, buying, cafeteria plans, accounting, management, and practice in quantity cookery. Offered in summer session only. Prerequisite: FN 213 or 222. Assistant Professor Bibee.

IEc 420. Institutional Equipment. Second term, 3 hours.

Study of equipment for bedrooms, living-rooms, dining-rooms, and kitchens in different types of institutions; design, materials; construction, cost, and arrangement. Prerequisite: FN 213 or 222. Three lectures. Professor Hunter.

IEc 430. Institutional Organization and Administration. First term, 2 hours.

Study of the principles of organization and administration as applied to various types of institutions; discussion of employment problems and training, labor laws, office records. Prerequisite: FN 213 or 222. Two lectures, Professor Hunter.

IEc 440. Institutional Marketing. Third term, 2 hours.

Institutional marketing from the standpoint of food purchasing, including production and distribution of food commodities, marketing costs, factors influencing prices, marketing of special foods such as meats, vegetables, fruits, eggs. Prerequisite: FN 213 or 222. Two lectures. Professor Hunter.

IEc 450. Institution Experience. Third term, 4 hours.

Designed to give practical experience in organization and administration of an institution. Practice work is done in the various halls of residence, the Memorial Union Dining Service, and office of the Director of Dormitories. Prerequisites: IEc 311, 420, 430, 440. One lecture; 3 two-hour laboratory periods. Assistant Professor Bibee.

GRADUATE COURSES

IEc 501. Graduate Study and Research. Any term, hours to be arranged.

Research problems for which the student is suited by previous training and ability.

IEc 503. Graduate Thesis. Any term, 6 to 12 hours.

Original problems chosen by the student or suggested by the department are studied and reported on in thesis form.

School of Journalism

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

*ARNOLD BENNETT HALL, J.D., LL.D., President of the University.

ERIC WILLIAM ALLEN, A.B., Dean of the School of Journalism.

EARL MANLEY PALLET, Ph.D., Executive Secretary and Registrar of the University.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

ERWIN BERTRAN LEMON, B.S., Registrar of the State College.

Eugene

ERIC WILLIAM ALLEN, A.B., Professor of Journalism; Manager of the University Press.

WILLIAM FRANKLIN GOODWIN THACHER, M.A., Professor of Advertising.

GEORGE STANLEY TURNBULL, M.A., Professor of Journalism.

CARLTON ERNEST SPENCER, B.A., J.D., Professor of Law of the Press.

ROBERT CARR HALL, Associate Professor of Journalism; Superintendent of University Press.

ARNE GUNDERSEN RAE, B.S.J., Assistant Professor of Journalism.

JOHN HENRY NASH, LL.D., Litt.D., Lecturer in Typography.

Corvallis

†CHARLES JARVIS McINTOSH, B.S., B.S.D., Professor of Industrial Editing.

FRED MURIEL SHIDELER, B.S., Assistant Professor of Journalism.

ORGANIZED as a department in 1912, the courses in journalism were raised to the rank of school in 1916. Professional, technical, and managerial courses, together with the advanced background work, are concentrated on the Eugene campus, while prejournalistic work is offered at both Corvallis and Eugene which serves as prerequisite for the advanced work at Eugene. At Corvallis, the School also maintains service courses primarily for specialists in other fields not preparing for the profession of journalism.

Professionally, the School has three purposes: to fit its students for an abundant life through a broad and liberal education; to prepare them for the various branches of journalism, advertising, and publishing; and to contribute, in so far as an educational institution can, to the progress and improvement of American journalism.

The journalism courses at the University of Oregon are established upon a high cultural and professional level, and are closely allied with the work in the Social Sciences and in Literature. Such technical training as is necessary and desirable for success in the vocation is included and is carefully taught as an integral element in a sound general and cultural

*On leave of absence.

†On part time 1932-33.

education. Students majoring in journalism must fulfill all the requirements of the degrees of Bachelor of Arts or Bachelor of Science, electing under expert journalistic advice those courses in history, economics, sociology, politics, philosophy, science, language, and literature that appear best adapted to give the journalist an adequate grasp upon the problems of modern life. The course in Reporting constitutes a substantial practical study of municipal and community life together with practice in gathering and writing news, and the senior course in Investigative Methods in Editing is an advanced social science course having as its objective the development of the power of correct interpretation. The courses are taught by qualified and widely experienced journalists and in close cooperation with the officers of the Oregon State Editorial Association and the editors of the large newspapers.

The Major Curriculum at Eugene. The School, through a well established system of adviserships, supervises the student's entire curriculum, aiding him in the selection of the courses in social sciences, literature, language, and arts, that will be of greatest benefit to him as a citizen and as a journalist. Somewhat different curricula are planned for different students after a personal interview and after experience of the student's abilities and ambitions. The three principal types are: (a) for writing and editing, (b) for publishing and advertising, and (c) for executive management. There are also opportunities for specializing in typography and fine printing. Already former students of the School are owners of daily and weekly newspapers; are reporters, editors, advertising managers, advertising agency men, advertising managers of department stores, trade journalists, circulation men, foreign correspondents, publishers, teachers of journalism, teachers of printing, copy editors, managing editors, and special writers. Several are story writers and three have obtained national reputation as novelists.

The School is supplied with typewriters, copy desks, library facilities, seminar rooms, and the conveniences necessary to the most practical work under favorable conditions. Its principal copy desk is a testimonial gift from the newspapers of Oregon, embellished with a bronze plate expressing appreciation of the work of the School.

Advanced students in the School write and edit each day a complete daily newspaper, covering the city of Eugene intensively in competition with the two daily papers down town. They also cover the news of the world received at their copy desk from the Associated Press and United Press by wire, and make use of the news, feature, and picture services supplied to the School by Science Service, the N.E.A., I.N.S., etc. They maintain a file department from which illustrations may always be obtained. Daily editorials are prepared and all the functions of the journalist are carried out under the guidance and constructive criticism of experienced instructors.

On the more technical side the School enjoys an unexcelled laboratory in the University Press. This press was founded specifically to furnish instruction for journalism students. It occupies a building specially planned.

Members of the State Editorial Association have endowed a special press, a department of the University Press, devoted to fine printing. The gift had its inspiration in the presence on the campus at the annual press conferences of John Henry Nash, LL.D., Litt.D., San Francisco, a printer

whose fame is world-wide. He supervises some of the work of the special press, giving his service gratuitously and acts as adviser to the technical courses. The University Press has an inventory value of about \$60,000 and its equipment is unusually complete.

Comprehensive courses in advertising have been developed through a cooperative arrangement with the School of Business Administration, and the Law faculty offers in the School of Journalism a specialized course in the Law of the Press.

Freshmen are admitted to the School on the same terms as to other branches of the University. No high school courses in journalism are required for admission. The high school student is advised to devote himself to obtaining a substantial preparation in Latin, French, or German, history, science, mathematics, and other solid branches. Skill in typewriting and stenography is advantageous but not required. A student does well to own his own typewriter; nevertheless the School furnishes a liberal supply.

Advanced students are admitted by transfer at any time, and an effort is made to adjust the curriculum to special needs. The most favorable time for entering for those who do not come as freshmen is the beginning of the junior year. Students having practical experience in newspaper work constitute a considerable portion of the enrollment. Such students are not required to repeat training they have already had beyond a demonstration term to ascertain whether their training has been sound. They are carefully directed to courses best suited to their stage of development.

Courses at Corvallis. Elementary introductory courses are given at both institutions, leading to advanced work at Eugene, to which Corvallis students may transfer at the end of any year, preferably the sophomore year. The introductory courses also enable students to get educational benefit out of work with the student dailies, the Emerald at Eugene and the Barometer at Corvallis, and to some extent they are training schools for this work in the endeavor to keep the student publications on a high plane.

In addition, certain courses are given at Corvallis designed to enable technical specialists from the scientific and technical schools on the Corvallis campus to write competently concerning the subjects in which they are specializing. Combined curricula, of five or four years, utilizing the facilities of both campuses, will be arranged by the advisor to meet individual cases in which the student may wish to combine a technical specialty with a full journalistic training.

DESCRIPTION OF COURSES

AT EUGENE

LOWER DIVISION COURSES

J 111, 112, 113. **Elementary Journalism.** Three terms, 2 hours each term.

The American newspaper, its place in the social order and its methods and techniques. Fundamentals of general reporting, interviewing, news analysis, note taking, news gathering and news writing. The subject-matter of this course consists largely of campus report-

ing (the more advanced course, Reporting, covers municipal and general news), therefore serves as training for work on the campus publications and as an orientation course in University life, giving an insight into the work of all the departments and helping toward choice of future courses. Three sections.

Eng 213, 214, 215. **Short Story Writing.** Three terms, 2 hours each term.
See College of Arts and Letters.

UPPER DIVISION COURSES

J 311, 312, 313. **Backgrounds of Publishing.** Three terms, 3 hours each term.

Mechanical, illustrative and administrative processes. Printing, its history, traditions, and modern techniques. Criteria of excellence in printing. Graphic arts processes, etching, halftones, lithography, offset, gravures, photo processes, and modern adaptations. The art of the Book. Typography for advertisers. Printing and engraving equipment and administration. Country journalism. Economics of publishing. Laboratory period in University Press.

J 331, 332, 333. **Reporting.** Three terms, 3 hours each term.

Study of municipal and community affairs, courts and public offices. News sources. Complete practical coverage by student reporters of all local news in competition with local newspapers. Work of city editor and rewrite men. Telephone reporting. News room organization. Two news room conferences, one laboratory period or beat, one special assignment.

J 334, 335, 336. **Copyediting.** Three terms, 1 or 2 hours each term.

One afternoon on desk, one editorial conference. Students serve in rotation as copyreader, news editor, exchange editor, librarian, and assistant managing editor. Analysis of news, study of news values. Editing and headline writing. Material—local news furnished by Reporting class, telegraph and feature material by arrangement with Associated Press, United Press, N.E.A., and Science Service. Full leased wire service. Lectures on techniques and on news of the day.

J 400, 401, 402. **Newspaper Problems and Shop Management.** Three terms, 2 hours each term.

Study of managerial problems relating to country and small city newspapers, advertising and rate structures; circulation promotions and audits; financing and evaluating newspapers; newspaper accounting; equipment, etc.

J 421, 422, 423. **The Specialized Press.** Three terms, 2 or 3 hours each term.

The specialized journalism of the leading industries, professions and vocations, and avocations. The principles of trade and class journalism. The special informational feature article for magazine and newspaper. Review of magazine and syndicate markets. Students in this class are expected to sell their articles for publication.

J 464, 465, 466. **Typography.** Three terms, 1 hour each term.

Advanced work in printing. Prerequisite, publishing and printing. Associate Professor Hall, Dr. Nash.

J 471, 472, 473. **Estimating on Printing Jobs.** Three terms, 1 hour each term.

Elective for seniors who expect to work in smaller cities. Prerequisites: courses in publishing and printing. Associate Professor Hall.

J 481, 482, 483. **Investigative Methods in Editing.** Three terms, 5 hours each term.

Discovery and interpretation of enlightened opinion on public affairs. Application of economics, political and social science to problems of the day. Editorial writing. The modern mind and the scientific method. History and analysis of the newspaper and other media of public opinion. Ethics of journalism, analysis of news and propaganda, training in the criteria of authenticity. Study of current public problems and of the methods by which the editor attains authentic points of view.

GRADUATE COURSES

J 503. **Thesis.** Three terms, 3 hours each term.

J 507. **Seminar.** Three terms, hours to be arranged.

A research course for students having the necessary preparation to enter a specialized field of original investigation.

AT CORVALLIS

LOWER DIVISION COURSES

J 111, 112. **Elementary Journalism.** Two terms, 3 hours each term.

Fundamental principles of news writing. Intended to introduce to the students of the various technical schools the journalistic style of writing and to acquaint them with the workings of the press, both general and technical. Required for eligibility to the editorial staffs of student publications. Special sections for technical schools where enrollment justifies.

J 211. **Copyediting.** First or third term, 3 hours.

Copy reading, head writing, proof reading, and makeup. Actual experience is given in editing copy for publication. Required for all students in advanced positions on the Barometer. Prerequisite: J 111.

J 212. **Industrial Journalism.** Second term, 3 hours.

Writing of special articles along technical lines. Study of the media for such articles. Practice in popularization of scientific material. Prerequisite: J 111.

J 213. **Public Information Methods.** Second term, 3 hours.

Intended for teachers of science and vocational subjects. Planning and executing of informational campaigns through such media as newspapers, posters, radio, circular letters. Methods of informing

public of school events, progress, etc. Supervision of high school publications. Prerequisite: J 111.

J 214. Technical Writing. One term, 3 hours.

Writing and editing of popular and scientific bulletins. Preparing reports and writing articles for scientific publications. Preparing radio manuscripts. Planning and executing informational campaigns on scientific material. Intended primarily for research workers in field of agriculture, home economics, engineering and other technical fields and extension workers and college teachers in fields of agriculture and home economics. Prerequisite: J 111.

J 223. Editorial Writing. Second term, 3 hours.

Materials, style, and arrangement of periodical editorials are considered. Training is given in writing editorials. Principles of policy and ethics are studied and applied. The makeup of the editorial page of farm and trade journals is given attention. Prerequisite: J 111.

School of Law

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education.

*ARNOLD BENNETT HALL, J.D., LL.D., President of the University.

WAYNE LYMAN MORSE, J.D., Dean and Director of Law.

EARL MANLEY PALLETT, Ph.D., Executive Secretary and Registrar of the University.

JACQUOISE KIRTLEY LEARNED, B.A., Law Librarian.

CHARLES GERARD HOWARD, J.D., Professor of Law.

CARLTON ERNEST SPENCER, J.D., Professor of Law.

ORLANDO JOHN HOLLIS, J.D., Professor of Law.

JAMES DUFF BARNETT, Ph.D., Professor of Political Science.

GUY SHIRK CLAIRE, Ph.D., Assistant Professor of Law.

THE University of Oregon School of Law is a member of the Association of American Law Schools and its high standards are approved by the American Bar Association.

Admission to the Law School. For admission to the Law School the student must have met the requirements for the junior certificate, which requires the completion of the work of the Lower Division. Prelegal students should select their program of studies from the following list:

Freshman year: background of social science, survey of physical science, accounting, mathematics, science with laboratory, speech, survey course in English literature.

Sophomore year: American history, political science, principles of economics, money and banking, economics of business organization, philosophy, psychology, sociology, world history, English history, modern government, geology, geography.

Special Students. In exceptional cases students who have not complied with the regular admission requirements, may be admitted as special students. Such admissions will be restricted to students at least 23 years of age who have completed a four-year high school course and are otherwise deemed qualified by the Dean. Not more than ten percent of the entering class will be admitted as special students in any one year.

No work done as a special student can be applied toward a law degree. Neither admission nor attendance as a special student in the School of Law for one term shall give the right to continue as such in any subsequent term, nor a right to a degree. If a special student's record has been in any

*On leave of absence.

respect unsatisfactory, the dean may refuse permission to register or continue as a special student in any subsequent term.

Special students are required to do the same work and meet the same standards as the regular law students. Special students who satisfactorily complete the three-year law course will be entitled to take the State Bar examination upon the presentation of a certificate signed by the Dean of the School of Law.

Advanced Standing. A student as a rule may transfer not to exceed two years of credit earned in other schools of recognized standing, provided the credit was earned subsequent to the completion of the prescribed two years of academic work. The right to reject any and all such credit is reserved.

Degrees and Graduation Requirements. The School of Law offers standard curricula leading to the LL.B. and J.D. degrees. A total of at least three years' resident study in this or in some other law school of recognized standing is required of every applicant for a degree, at least one year of which must be spent at this University.

The Degree of Bachelor of Law. Students who have met the requirements for the junior certificate with upper division standing in this University or their equivalent in another institution of recognized collegiate rank, and who have successfully completed courses in law aggregating one hundred and fifteen term hours and have otherwise satisfied the requirements of the University and of the Law School, will be granted the degree of Bachelor of Laws (LL.B.). For the LL.B. degree the student must have a minimum average of C over the full three years of his law course.

The Degree of Doctor of Jurisprudence. The degree of Doctor of Jurisprudence (J.D.) will be granted to students who, in addition to fulfilling the requirements for an LL.B. degree, comply with the following requirements:

- (1) Obtain at least one year previous thereto the degree of bachelor of arts, bachelor of science, bachelor of business administration, or an equivalent degree from this University or some other institution of recognized collegiate rank.
- (2) Obtain a minimum average grade of B in the School of Law.
- (3) Present a thesis or series of legal writings of high merit, approved by the faculty of the School of Law, and prepared under the direction of the faculty of law. Credit may be earned for work done on the thesis and counted in making up the number of hours required for graduation.
- (4) Comply with such other requirements as the law faculty may from time to time impose.

Combined Curricula. The School of Law in cooperation with the College of Social Science and the School of Business Administration offers six-year curricula combining work in social sciences or business administration and leading to two degrees, one of which is in the law school.

Six-Year Curriculum in Arts or Science and Law. Students who wish to secure both social science and law degrees may enter the Law School at the beginning of their senior year and count the first year of law toward both the collegiate and the law degrees. By so doing they may obtain the two degrees in six years from the date of their admission to university or college.

If all requirements are complied with, the degree of Bachelor of Arts, or of Bachelor of Science is conferred at the close of the first year in the Law School, and a law degree at the conclusion of the law curriculum two years later.

The third prelegal year in either of these combined curricula may be profitably spent in English, history, economics, philosophy, psychology, sociology, and business administration courses. Such training will substantially increase one's professional opportunities.

Six-Year Curriculum in Business Administration and Law. Present-day conditions make it highly desirable for the lawyer to have an adequate knowledge of sound business administration. Likewise, it is practically essential for a business man to have a knowledge of law. In order to provide such training for law and commerce students, the School of Law and the School of Business Administration offer a combined six-year curriculum. Students completing this work will receive the degrees of bachelor of business administration and a law degree. Any student who has taken this course is doubly fortified to go successfully into the business or legal world. See School of Business Administration in this catalog for suggested curriculum.

The Law Library. The law library is arranged to give students and faculty easy access to the books. In content it is such as to serve every normal need of both students and faculty. It now numbers approximately twenty thousand accessioned volumes and several hundred unaccessioned volumes and is receiving continual additions. The library includes substantial gifts from the libraries of Lewis Russell, Judge Matthew P. Deady, and Judge W. D. Fenton. Judge Fenton's gift, known as "The Kenneth Lucas Fenton Memorial Library," numbers about eight thousand volumes.

DESCRIPTION OF COURSES

The School of Law assumes that its primary duty is owed to the people of the state of Oregon. For this reason, special emphasis is placed on both Oregon substantive law and Oregon procedure. In all courses, reference is repeatedly made to Oregon decisions and statutes.

The courses of instruction are arranged as far as possible to present the fundamental topics of the law during the first year, and the more specialized subjects during the second and third years. In courses continuing more than one term, credit may be withheld until the course is completed.

FIRST-YEAR COURSES

L 41¹. **Agency.** Third term, 5 hours.

Nature of relation; appointment; liability of principal for agent's torts, contracts, crimes; liabilities of agent; parties to writings; undis-

closed principal doctrines; delegation of agency; termination; ratification. Mechem, *Cases on the Law of Agency* (2d edition). Five recitations. Assistant Professor Claire.

L 412, 413, 414. **Contracts.** Three terms; 4, 3, 2 hours.

Formation of simple contracts, including mutual assent and consideration; contracts under seal; parties affected by contracts; operation of the statute of frauds; performance of contracts, including express conditions; illegality; impossibility of performance; discharge. Williston, *Cases on Contracts* (3d edition). Professor Howard.

L 415, 416. **Criminal Law.** First, second terms; 3 hours each term.

Nature of crime; source of criminal law; mental element in crime; intent and motive; parties in crime; crime as an act; attempts; specific crimes; crimes against the person; crimes against the dwelling house; felonious intent; jurisdiction; contributions of social science to criminal law. Sayre, *Cases on Criminal Law* (2d edition). Three recitations. Dean Morse.

L 417. **Criminal Procedure.** 1932 Summer Session, 2 hours.

The course deals principally with the following topics: jurisdiction, venue, methods of initiating prosecution, arrest, extradition, preliminary hearing, bail, grand juries, indictment, arraignments, and trial and proceedings subsequent to verdict. Special attention is given to the American Law Institute's Model Code of Criminal Procedure and to the Report on Criminal Procedure of the Wickersham National Commission on Law Observance and Enforcement. Mikell, *Cases on Criminal Procedure*. Five recitations. Dean Morse.

L 418. **Legal Bibliography.** First term, 1 hour.

Legal reference materials; legislative enactments; judicial precedents; classes of law books; training in their mechanical use. One recitation. Professor Spencer.

L 419. **Procedure I.** First term, 3 hours.

An introductory course on procedure in actions at law. Its purpose is to acquaint the student with the court system, methods of trials and appellate review; and to study in detail common law pleadings. Magill, *Cases on Civil Procedure*. Three recitations. Professor Hollis.

L 420, 421. **Real Property I.** Second, third terms; 3 hours each term.

An introduction to the law of real property. The common law of estates; reversions and remainders; the Statute of Uses; rights in land; easements; profits a prendre; licenses; covenants running with the land; surface and percolating waters, natural water-courses; lateral support. Bigelow, *Cases on Rights in Land*. Three recitations. Dean Morse.

L 422, 423, 424. **Torts.** Three terms, 3 hours each term.

Trespass to persons, to real property and to personal property; excuse for trespass; legal cause, negligence, contributory and imputed negligence; plaintiff's illegal conduct as a defense; duties of land own-

ers; hazardous occupations; liability for animals; deceit; defamation, slander, libel, privilege, malice; malicious prosecution; interference with social and business relations, fair and unfair competition, strikes, boycotts, business combinations. Bohlen, *Cases on Torts* (3d edition). Three recitations. Assistant Professor Claire.

SECOND-YEAR COURSES

L 431. Procedure II. Third term, 4 hours.

(a) Code pleading. Actions; parties; the complaint; demurrers; the answer; the reply. (b) Procedure before trial. Sunderland, *Cases on Code Pleading*. Four recitations. Professor Hollis.

L 433, 434, 435. Equity. Three terms; 3, 2, 2, hours.

Historical introduction; the method of enforcing equitable decrees; the relation of equity to the common law; territorial limitations upon the power of a court of equity; equitable relief against torts; denial of equitable relief upon grounds other than the adequacy of the legal remedy; specific performance of contracts; fulfillment of conditions; laches and the statute of limitations; part performance and the statute of frauds; equitable conversion; equitable servitudes; misrepresentation, mistake and hardship as defenses to specific performance, reformation and rescission for mistake. Cook, *Cases on Equity*. Professor Spencer.

L 436, 437. Bills and Notes. First, second terms; 3, 2, hours.

The law of checks, bills of exchange and notes, with a detailed discussion of formal requisites; acceptances; indorsement, transfer, extinguishment; obligation of parties; diligence; special character; the effect of the negotiable instruments law. Britton, *Cases on Negotiable Instruments* (2d edition). Three recitations first term, 2 recitations second term. Professor Howard.

L 438, 439. Real Property II. First, second terms; 3, 2 hours.

Titles; conveyancing; original titles founded on prescription, adverse possession, and accretion; execution and delivery of deeds; description of property conveyed; creation of easements; covenants for title; estoppel by deed; dedication; landlord and tenant; joint ownership; recording acts. Aigler, *Cases on Titles to Real Property*. Three recitations first term, 2 recitations second term. Dean Morse.

L 440. Personal Property. Second term, 3 hours.

Legal consequences of possession; facts giving rise to possessory title; various methods of acquiring title to chattels; liens and pledges; conversion. Warren, *Cases on Property* (Abridged edition). Three recitations. Professor Spencer.

L 444. Quasi-Contracts.

Under the head of quasi or constructive contracts is embraced all that very large class of obligations which, while not contractual in fact, are enforced as if they were so. They constitute largely that great mass of obligations for the enforcement of which the action of as-

sumpsit was devised. The course includes such topics as the payment of money by mistake, duress, or fraud, and the waiver of tort. Not offered 1932-33.

L 445. Administration of Justice.

Organization and powers of courts, bar and judicial associations, police forces, penal institutions and officers, etc. Analysis of surveys of the administration of civil and criminal justice. Not offered 1932-33.

L 446. Domestic Relations and Persons. Summer Session 1932, 2 hours.

This course deals principally with the following topics: Rights, duties, liabilities, and privileges existing in the relationships of parent and child, infancy, husband and wife, marriage, divorce and separation. Special attention will be given to conflicts between the law of domestic relations and the theories and findings of sociologists and psychologists relative to the family institution. Madden, *Cases on Domestic Relations*. Five recitations. Dean Morse.

SECOND- AND THIRD-YEAR COURSES COMBINED

L 441. Constitutional Law.

Written and unwritten constitutions. The adoption and amendment of constitutions; the relations between the federal and the state governments; the legislature, executive and judiciary; the state and territories; the individual and the government. Evans, *Cases on Constitutional Law* (2d edition). Not offered 1932-33.

L 442. International Law. (PS 403). Second term, 4 hours.

The law of peace, the law of war, and the law of neutrality. Evans, *Cases on International Law* (2d edition). Four recitations. Professor Barnett.

L 443. Law of Municipal Corporation. (PS 402). First term, 4 hours.

The nature, constitution, powers and liabilities of municipal corporations. Tooke, *Cases on Municipal Corporations*. Four recitations. Professor Barnett.

L 447, 448. Partnership and Private Corporations.

Partnerships; acts and contracts creating partnerships; property; firm name and good will; rights and duties toward each other. Actions between partners; powers of partners; nature and extent of liabilities; application of assets to claims of creditors. Corporations, formation and reorganization; problems of disregarding the corporate entity; promotion and the liability of promoters; watered stock; extent and exercise of corporate powers; the de facto doctrine; ultravires; duties and rights of officers and stockholders, and the rights of creditors. Mechem, *Cases on Partnerships*. Richards, *Cases on Corporations*. Not offered 1932-33.

L 449. Bankruptcy and Insolvency.

Fraudulent conveyances at common law and under the federal bankruptcy act; who may be a bankrupt; who may be petitioning cred-

itors; acts of bankruptcy; what property passes to the trustee; provable claims, duties and powers of the bankrupt and trustee; protection; exemptions and discharge of bankrupt. Holbrook and Aigler, *Cases on Bankruptcy* (2d edition). Not offered 1932-33.

L. 450. Suretyship. Third term, 3 hours.

Nature of the suretyship relation and the means of establishing it; rights of the surety, including indemnity, contribution, subrogation and exoneration; rights of creditor to surety's securities; sureties' defenses against the creditor, both legal and equitable. Langmaid, *Cases on Surety*. Three recitations. Professor Howard.

L. 451. Mortgages. Second term, 3 hours. Summer Session 1932, 2 hours.

All forms of mortgage security, both real and chattel; essential elements of legal and equitable mortgages; legal and equitable rights, powers and remedies of mortgagor and mortgagee with respect to title, possession, rents and profits, waste, collateral agreements, foreclosure; redemption; priorities; marshalling; extension of mortgages; assignment of mortgages; discharge of mortgages. Parks, *Cases on Mortgages*. Three recitations; summer session 5 recitations. Professor Hollis.

L. 452. Sales of Personal Property.

Subject-matter of sale; executory and executed sales; bills of lading; seller's lien and right of stoppage in transit; fraud; warranty, and remedies for breach of warranty; statute of frauds. Woodward, *Cases on Sales*. Not offered 1932-33.

L. 453. Trusts. Third term, 5 hours.

Nature and requisite of trust; express, resulting, and constructive trusts; charitable trusts; nature of cestui's remedies against trustee, transfer of trust property by trustee or by cestui; bona fide purchase for value; liability of trustee to third person; investment of trust funds; extinguishment of trust. Five recitations. Professor Spencer.

L. 454. Public Service Carriers.

Brief survey of bailments in general. Common law duties and liabilities of those who are engaged in public service: statutory regulation of services and charges and the validity of such regulations. Common carriers of goods and passengers at common law and under federal and state legislation. Not offered 1932-33.

THIRD-YEAR COURSES

L. 455, 456. Evidence. First and second terms; 3 hours each term.

Respective functions of judge and jury; presumptions; burden of proof; judicial notice; rules relating to hearsay, opinion and character evidence; admissions and confessions; real evidence; evidence relating to execution, contents and interpretation of writings; the best evidence rule; the parole evidence rule; competency of witness; privilege of witness; examination of witness. Thayer, *Cases on Evidence* (Maguire's edition). Three recitations. Professor Spencer.

L. 457. **Wills.** Third term, 3 hours.

Testamentary capacity and intent; signature; attestation; witnesses; incorporation by reference; revocation; republication and revival; grant and revocation of probate; title and powers of executors and administrators; payment of debts; payment of legacies. Costigan, *Cases on Wills* (2d edition). Three recitations. Dean Morse.

L. 458. **Brief Making.**

The analysis of cases; use of digests and encyclopedias; selected cases; indexes. Practical exercises in the writing of briefs, both trial and appellate. Not offered 1932-33.

L. 459, 460. **Conflict of Laws.** First and second terms; 3 hours each term.

Nature of law; territorial limitation upon the operation of law as affecting persons and things, including domicile and taxation; jurisdiction of courts in proceedings in rem, in personam, quasi in rem, and for divorce; extraterritorial recognition of rights acquired under foreign law, including status of persons, rights of property, obligations ex contractu and ex delicto, judgments, inheritance laws, etc. Lorensen's *Cases on Conflict of Laws*. Three recitations. Professor Hollis.

L. 461, 462, 463. **Procedure III.** Three terms, 2 hours each term.

Trial practice. Jurisdiction of courts; venue; process; judgments. Selection and instruction of juries; methods of introducing evidence; exceptions; findings; verdicts; motion for new trial. Sunderland, *Cases on Trial Practice*. Two recitations and moot court third term. Professor Hollis.

L. 464. **Real Property VI.**

Water rights. Discussion of the subject of riparian rights and the doctrine of prior appropriation, including the qualifications attached to the general common law rules of riparian rights by Oregon Law. Treatment of riparian rights includes use for power, domestic use, irrigation, pollution, use within riparian rights as confined to riparian land, need for damage as prerequisite to a cause of action, extinguishment of riparian rights, discussion of special Oregon points. Treatment of appropriation includes extent of and titles to appropriation rights, methods of initiating appropriation rights, ditch rights and water rights, priorities of special use, loss and transfer of rights acquired by appropriation. The course includes the law of drainage. Not offered 1932-33.

L. 465. **Appellate Practice and Federal Practice.**

The jurisdiction and procedure of appellate and federal courts. Not offered 1932-33.

L. 466. **Damages.** Summer Session 1932, 2 hours.

General principles; court and jury, non-compensatory; compensatory; avoidable consequences; certainty; liquidated; elements of compensation; particular types of contract actions; particular types of tort actions; statutory proceedings; pleadings and practice. Five recitations. Professor Hollis.

L 467. Principles of Liability.

A study of liability, causation and negligence, with special attention to these principles as applied in damage suits. Not offered 1932-33.

L. 468 Administrative Law. Second term, 3 hours.

This course deals with the history and development of administrative law; the creation, purpose, personnel, powers and duties of administrative tribunals; constitutional and legal limitations; judicial control over administrative tribunals and officers with special attention to extraordinary legal remedies; procedure. Considerable attention is given to the part played by administrative tribunals in modern government. Three recitations. Assistant Professor Claire.

L 469. Insurance.

This course deals with the history and development of insurance with emphasis upon the part that it plays today in the financial, economic, and social structure. Insurance case law is studied under the following headings: types of insurance carriers; governmental control of insurance carriers; the scope of insurance; who has an insurable interest in property or life; warranties and conditions; representations; concealment; the contract of insurance; waiver, estoppel and election; premiums; rights under life and property policies; and construction of the policy. Vance, *Cases on Insurance*. Not offered 1932-33.

L 470. Jurisprudence.

A survey course, calculated to introduce the student to the various schools of juristic thought with particular emphasis upon sociological jurisprudence and pragmatist methods. Selected cases and assigned readings. Not offered 1932-33.

L 501. Legal Research. Terms and hours to be arranged.

A course open to third-year students and by special arrangement only. The student will work under the supervision of the instructor in whose field the problem is selected.

L 503. Thesis. Terms and hours to be arranged.

School of Medicine

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education.

*ARNOLD BENNETT HALL, J.D., LL.D., President of the University.

RICHARD BENJAMIN DILLEHUNT, M.D., Dean and Director of Medicine.

HAROLD BUNCE MYERS, M.D., Associate Dean of the Medical School.

HARRY R. CLIFF, M.D., Director, Multnomah County Hospital.

RALF COUCH, A.B., Secretary of the Medical School.

LUCY IDA DAVIS, Registrar of the Medical School.

BERTHA BRANDON HALLAN, B.A., Librarian of the Medical School.

JOHN FOREST DICKSON, M.D., L.R.C.P., Emeritus Professor of Ophthalmology.

ANDREW JACKSON GIESY, M.D., Emeritus Professor of Clinical Gynecology.

SIMEON EDWARD JOSEPHI, M.D., LL.D., Dean Emeritus and Emeritus Professor of Nervous and Mental Diseases.

JAMES CHARLES ELLIOTT KING, M.D., Emeritus Professor of Dermatology.

EDMOND JOHN LABBE, M.D., Emeritus Professor of Obstetrics.

GEORGE FLANDERS WILSON, M.D., Emeritus Professor of Surgery.

Basic Science Departments

ANATOMY

WILLIAM FITCH ALLEN, Ph.D., Professor of Anatomy; Head of Department.

OLOF LARSELL, Ph.D., Professor of Anatomy.

WILMOT C. FOSTER, M.D., Associate in Anatomy.

JON VIDALIN STRAUMFJORD, M.D., Associate in Anatomy.

ROBERT S. DOW, B.S., Student Assistant in Anatomy.

EUGENE GETTELMAN, B.S., Student Assistant in Anatomy.

HERBERT D. LEWIS, B.A., Student Assistant in Anatomy.

FRANK L. WIENS, B.A., Student Assistant in Anatomy.

MERRELL A. SISSON, B.A., Student Research Assistant in Anatomy.

COURTNEY M. SMITH, B.A., Student Research Assistant in Anatomy.

MAE BLACKLER MITCHELSON, Technician in Anatomy.

BACTERIOLOGY, HYGIENE, AND PUBLIC HEALTH

HARRY JOHNSON SEARS, Ph.D., Professor of Bacteriology and Hygiene; Head of Department.

WILLIAM LEVIN, Dr. P. H., Instructor in Bacteriology.

*On leave of absence.

WILLIAM KENNETH LIVINGSTON, M.D., Clinical Associate in Surgery; Instructor in Parasitology.

FREDERICK DAVID STRICKER, M.D., Lecturer in Public Health and Medical Jurisprudence.

CHARLES MARTIN, B.S., Student Assitant in Parasitology.

MARTHA ROHNER, B.A., Student Assistant in Bacteriology.

CARL MARTIN, B.S., Student Research Assistant in Bacteriology.

HUBERT A. HICKEY, Technician in Bacteriology.

BIOCHEMISTRY

HOWARD DAVIS HASKINS, M.D., Professor of Biochemistry; Head of Department.

EDWIN EUGENE OSGOOD, M.D., Assistant Professor of Biochemistry and Medicine.

SAMUEL B. OSGOOD, B.S., Student Instructor in Biochemistry.

JOHN M. RAMAGE, Student Assistant in Biochemistry.

ROBERT A. CAMPBELL, B.S., Student Research Assistant in Biochemistry.

ALOIS TEDISCH, Technician in Biochemistry.

PATHOLOGY

FRANK RAYMOND MENNE, M.D., Professor of Pathology; Head of Department.

ROBERT LOUIS BENSON, M.D., Clinical Professor of Pathology.

WARREN CLAIR HUNTER, M.D., Assistant Professor of Pathology.

KARL HENRY MARTZLOFF, M.D., Clinical Associate in Surgery; Instructor in Surgical Pathology.

WILLIAM MILES WILSON, M.D., Clinical Associate in Obstetrics; Instructor in Gynecological Pathology.

THOMAS DUNCAN ROBERTSON, M.D., Clinical Instructor in Pathology.

HENRY HADLEY DIXON, M.D., Associate Clinical Professor of Neuropsychiatry.

ARTHUR JOHN MCLEAN, M.D., Clinical Instructor in Surgery and Neuropsychiatry.

CHARLES HENRY MANLOVE, M.D., Clinical Instructor in Surgical Pathology.

JOHN C. ADAMS, M.D., Clinical Instructor in Obstetrical Pathology.

TRENTON WILLIAM JOHNSTON, M.D., Clinical Instructor in Pathology.

JAMES D. EDGAR, M.D., Graduate Assistant in Pathology.

GEORGE A. C. SNYDER, B.A., Student Assistant in Pathology.

DAVID G. MASON, B.A., Student Assistant in Pathology.

ORVILLE JONES, B.A., Student Research Assistant in Pathology.

ARTHUR L. ROGERS, B.A., Noble Wiley Jones Fellow in Pathology.

MIRIAM LUTEN, M.S., Student Research Assistant in Dental Pathology.

PAULINE B. LAIRD, Stenographer in Pathology.

WANDA TEMPLETON, Technician in Pathology.

LILLIAN EKSTROM, Technician in Pathology.

HENRY SAXRUB, Museum Technician in Pathology.

PHARMACOLOGY

HAROLD BUNCE MYERS, M.D., Professor of Pharmacology; Head of Department.

LEE WASHINGTON DICKINSON, M.D., Instructor in Pharmacology.

GEORGE SHADE, A.B., Student Research Assistant in Pharmacology.

ALOIS TEDISCH, Technician in Pharmacology.

PHYSIOLOGY

GEORGE EMANUEL BURGET, Ph.D., Professor of Physiology; Head of Department.

IRA ALBERT MANVILLE, M.D., Associate in Physiology.

CARLETON PARISH PYNN, M.D., Instructor in Physiology; Clinical Instructor in Medicine.

ROBERT W. LLOYD, B.A., Student Assistant in Physiology.

PHILIP H. MOORE, B.S., Student Assistant in Physiology.

CARL TRYGGOL, Student Research Assistant in Physiology.

ELDON G. CHUINARD, B.S., Student Research Assistant in Physiology.

JACK GRONDAHL, Technician in Physiology.

MILITARY SCIENCE AND TACTICS

PAUL M. N. KYLE, M.D., Major, Medical Corps, U.S.A., Professor of Military Science and Tactics.

Clinical Departments

MEDICINE

Internal Medicine

LAURENCE SELLING, M.D., Clinical Professor of Medicine; Head of Department.

NOBLE WILEY JONES, M.D., Clinical Professor of Medicine.

THOMAS HOMER COFFEN, M.D., Clinical Professor of Medicine.

LYLE BOYLE KINGERY, M.D., Clinical Professor of Dermatology and Syphilology.

CHARLES EDWIN SEARS, M.D., Associate Clinical Professor of Medicine.

RALPH CHARLES MATSON, M.D., Associate Clinical Professor of Medicine.

ARTHUR WILLIAM CHANCE, M.D., Associate Clinical Professor of Dental Medicine.

HENRY HADLEY DIXON, M.D., Associate Clinical Professor of Neuropsychiatry.

RAY WILLIAM MATSON, M.D., Assistant Clinical Professor of Medicine.

ISIDOR CHERNIAC BRILL, M.D., Assistant Clinical Professor of Medicine.

- MARR BISAILLON, M.D., Assistant Clinical Professor of Medicine.
JOSHUA ALLEN GILBERT, Ph.D., M.D., Assistant Clinical Professor of Medicine.
JOSEPH MALCOLM SHORT, M.D., Assistant Clinical Professor of Medicine.
ARTHUR SAMUEL ROSENFELD, M.D., Assistant Clinical Professor of Medicine.
WESLEY EMMET GATEWOOD, M.D., Assistant Clinical Professor of Medicine.
JOHN HAROLD FITZGIBBON, M.D., Assistant Clinical Professor of Medicine.
FRANK REID MOUNT, M.D., Assistant Clinical Professor of Medicine.
BLAIR HOLCOMB, M.D., Assistant Clinical Professor of Medicine.
EDWIN EUGENE OSGOOD, M.D., Assistant Professor of Biochemistry and Medicine.
HARVEY GAMALIEL PARKER, M.D., Assistant Clinical Professor of Dermatology and Syphilology.
JOHN GUY STROHM, M.D., Assistant Clinical Professor of Syphilology.
DAVID W. E. BAIRD, M.D., Assistant Clinical Professor of Medicine.
FERDINAND HARTMANN DAMMASCH, M.D., Clinical Associate in Medicine.
EDWARD ALLEN PIERCE, M.D., Clinical Associate in Medicine.
ALBERT ARTHUR WITHAM, M.D., Clinical Associate in Medicine.
FRANK ERNEST BUTLER, M.D., Clinical Associate in Medicine.
LUTHER TOWNSEND NELSON, M.D., Clinical Associate in Medicine.
LEON ALBERT GOLDSMITH, M.D., Clinical Associate in Medicine.
HOMER PARROTT RUSH, M.D., Clinical Associate in Medicine.
MERL L. MARGASON, M.D., Clinical Associate in Medicine.
EARL DANFORD DUBOIS, M.D., Clinical Associate in Medicine.
CHARLES PEARSON WILSON, M.D., Clinical Associate in Medicine.
BERTRAND ODELL WOODS, M.D., Clinical Associate in Medicine.
MATTHEW CASEY RIDLE, M.D., Clinical Associate in Medicine.
DORWIN LEWIS PALMER, M.D., Clinical Associate in Radiology; Chairman of Division.
ROY ALPHA PAYNE, M.D., Clinical Associate in Medicine.
HAROLD BUNCE MYERS, M.D., Instructor in Medicine.
ROBERT GRANVILLE HALL, M.D., Clinical Instructor in Medicine.
GEORGE WILBER MILLETT, M.D., Clinical Instructor in Medicine.
EDMUND WENTZ SIMMONS, M.D., Clinical Instructor in Medicine.
SAMUEL GEORGE HENRICKE, M.D., Clinical Instructor in Medicine and Pediatrics.
MERLE WAYLAND MOORE, M.D., Clinical Instructor in Medicine.
ARTIE BLAIR PAUL, M.D., Clinical Instructor in Medicine.
WILLARD FLETCHER HOLLENBECK, M.D., Clinical Instructor in Medicine.
CARL J. HOLLINGWORTH, M.D., Clinical Instructor in Medicine.
ERNEST LLOYD BOYLEN, M.D., Clinical Instructor in Medicine.
ROGER HOLCOMB, M.D., Clinical Instructor in Medicine.
ELLSWORTH FRANCIS LUCAS, M.D., Clinical Instructor in Medicine.
CARLETON PARISH PYNN, M.D., Clinical Instructor in Medicine.

MAURICE FESTUS GOURLEY, M.D., Clinical Instructor in Medicine.
WILLIAM H. THAYER, M.D., Clinical Instructor in Medicine.
MAX NAIMARK, M.D., Clinical Instructor in Medicine.
SAMUEL HOWARD WISE, M.D., Clinical Instructor in Medicine.
WILLIAM PANTON, M.D., Clinical Instructor in Medicine.
RICHARD B. ADAMS, M.D., Clinical Instructor in Medicine.
JOYLE DAHL, M.D., Clinical Instructor in Medicine.
HOWARD P. LEWIS, M.D., Clinical Instructor in Medicine.
MILDRED MUMBY, M.D., Clinical Instructor in Medicine.
EDGAR WRIGHTMAN, M.D., Resident in Medicine.
WILLIAM B. HANDFORD, M.D., Assistant Resident in Medicine.
RUSSELL BAKER, Student Research Assistant in Medicine.
FRANCES M. CROKER, Dietician.

Nervous and Mental Diseases

LAURENCE SELLING, M.D., Clinical Professor of Medicine.
MERL L. MARGASON, M.D., Clinical Associate in Medicine.
MURRAY MORRIS LEVY, M.D., Clinical Instructor in Medicine.

Psychiatry

HENRY HADLEY DIXON, M.D., Associate Clinical Professor of Neuropsychiatry.
JOSHUA ALLEN GILBERT, Ph.D., M.D., Assistant Clinical Professor of Medicine.
DEWITT CLINTON BURKES, M.D., Clinical Associate in Medicine.

Dermatology and Syphilology

LYLE BOYLE KINGERY, M.D., Clinical Professor of Dermatology and Syphilology; Head of the Division.
HARVEY GAMALIEL PARKER, M.D., Assistant Clinical Professor of Dermatology and Syphilology.
JOHN GUY STROHM, M.D., Assistant Clinical Professor of Syphilology.
JOHN HENRY LABAËIE, M.D., Clinical Instructor in Dermatology.
RUSSELL H. KAUFMAN, M.D., Clinical Instructor in Syphilology.
EARL MARION ANDERSON, M.D., Clinical Instructor in Syphilology.
WILLIAM MARTIN MARBUT, M.D., Clinical Instructor in Syphilology and Urology.
MARTIN SIGMUND SICHEL, M.D., Clinical Instructor in Syphilology and Urology.
WILLIAM PAXTON SCROGGS, M.D., Clinical Instructor in Syphilology.
ROBERT LINDSAY MCARTHUR, M.D., Clinical Instructor in Obstetrics, Syphilology and Urology.
WILLIAM FRANCIS BECK, M.D., Clinical Instructor in Syphilology and Urology.

Radiology

- DORWIN LEWIS PALMER, M.D., Clinical Associate in Radiology; Chairman of the Division.
 FRANK ERNEST BUTLER, M.D., Clinical Associate in Radiology.
 SHERMAN ENOS REES, M.D., Clinical Instructor in Radiology.
 IVAN MEDHURST WOOLLEY, M.D., Clinical Instructor in Radiology.
 KENNETH PARKER LANCEFIELD, M.D., Clinical Instructor in Radiology.
 R. WALTER JOHNSON, Technical Assistant in Radiology.

Dental Medicine

- ARTHUR WILLIAM CHANCE, M.D., Associate Clinical Professor of Dental Medicine.
 NEIL MULVEY BAIN, D.M.D., Clinical Instructor in Dental Medicine.
 EDWARD JAMES CORCORAN, D.D.S., Clinical Instructor in Dental Medicine.
 MARION RAY DEITER, D.M.D., Clinical Instructor in Dental Medicine.
 DONALD GOULD HOOD, D.M.D., Clinical Instructor in Dental Medicine.
 RALPH LEVIS JEFFCOTT, D.M.D., Clinical Instructor in Dental Medicine.
 SAUL CHARLES ROBINSON, D.M.D., Clinical Instructor in Dental Medicine.
 LAWRENCE ADOLPH ROSENTHAL, D.M.D., Clinical Instructor in Dental Medicine.
 ORANGE WHERRY, D.M.D., Clinical Instructor in Dental Medicine.
 JOHN HAROLD ROSSMAN, D.M.D., Clinical Instructor in Dental Medicine.
 FRANK DANIEL SULLIVAN, D.M.D., Clinical Instructor in Dental Medicine.
 HENRY M. BIGELOW, D.D.S., Resident in Dental Medicine.

SURGERY

General Surgery

- RICHARD BENJAMIN DILLEHUNT, M.D., Clinical Professor of Surgery.
 ROBERT CALVIN COFFEY, M.D., F.A.C.S., Clinical Professor of Surgery.
 JOHN EARL ELSE, M.D., F.A.C.S., Clinical Professor of Surgery; Chairman of the Department.
 WILLIAM BURROUGHS HOLDEN, M.D., F.A.C.S., Clinical Professor of Surgery.
 OTIS FRANKLIN AKIN, M.D., Associate Clinical Professor of Surgery.
 THOMAS MARTIN JOYCE, M.D., F.A.C.S., Associate Clinical Professor of Surgery.
 CHARLES RICHARD McCLURE, M.D., Associate Clinical Professor of Surgery.
 ERNST AUGUST SOMMER, M.D., Associate Clinical Professor of Surgery.
 CHARLES DELOS BODINE, M.D., Assistant Clinical Professor of Surgery.
 GEORGE NORMAN PEASE, M.D., Assistant Clinical Professor of Surgery.
 EUGENE WATSON ROCKEY, M.D., Assistant Clinical Professor of Surgery.
 LOUIS PITHAON GAMBEE, M.D., Assistant Clinical Professor of Surgery.

- BENJAMIN NEWTON WADE, M.D., Assistant Clinical Professor of Surgery.
WILLIAM KENNETH LIVINGSTON, M.D., Clinical Associate in Surgery; Instructor in Parasitology.
ADALBERT G. BETTMAN, M.D., F.A.C.S., Clinical Associate in Surgery.
HERBERT STRONG NICHOLS, M.D., Clinical Associate in Surgery.
KARL HENRY MARTZLOFF, M.D., Clinical Associate in Surgery; Instructor in Surgical Pathology.
OLIVER MARTIN NISBET, M.D., Associate in Surgery.
OTIS BUCKMINSTER WIGHT, M.D., Assistant Clinical Professor of Gynecology and Instructor in Surgery.
KARL PETERSON MORAN, M.D., Clinical Instructor in Surgery.
EDWARD WALTER ST. PIERRE, M.D., Clinical Instructor in Surgery.
CHARLES HENRY MANLOVE, M.D., Clinical Instructor in Surgical Pathology.
BANNER RAYMOND BROOKE, M.D., Clinical Instructor in Surgery.
WILLIAM ELLIOTT SAVAGE, M.D., Clinical Instructor in Surgery.
CLARENCE WILLIAM BRUNKOW, M.D., Clinical Instructor in Surgery.
CLAUDE ALLEN LEWIS, M.D., Clinical Instructor in Surgery.
WALTER WRIGHT BLACK, M.D., Clinical Instructor in Surgery.
WINFRED HENRY BUEERMANN, Ph.D., M.D., Clinical Instructor in Surgery.
GORDON BERKELEY LEITCH, M.D., Clinical Instructor in Surgery.
LAURIE PAUL LIND, M.D., Clinical Instructor in Surgery.
JEROME LEOPOLD HOLZMAN, M.D., Clinical Instructor in Surgery.
ARTHUR CARHART JONES, M.D., Clinical Instructor in Surgery.
ARTHUR HOLMES JOHNSON, M.D., Clinical Instructor in Surgery.
EDWARD ELLIS RIFFEY, M.D., F.A.C.S., Clinical Instructor in Surgery.
ROBERT BELL SMALLEY, M.D., Clinical Instructor in Surgery.
RICHARD FREDERICH BERG, M.D., Clinical Instructor in Surgery.
HAROLD LAVERNE BLOSSER, M.D., Clinical Instructor in Surgery.
ARTHUR JOHN MCLEAN, M.D., Clinical Instructor in Surgery and Neuropsychiatry.
EUGENE P. OWEN, M.D., Clinical Instructor in Surgery.
JOHN C. ADAMS, M.D., Clinical Instructor in Surgery and Obstetrical Pathology.
WILLIAM H. CONE, M.D., Clinical Instructor in Surgery.
JAMES E. BUCKLEY, M.D., Clinical Instructor in Surgery.
GEORGE R. SUCKOW, M.D., Resident in Surgery and Gynecology.
WALTER R. KELSEY, M.D., Assistant Resident in Surgery.
RUSSELL JOHNSRUP, B.A., Student Research Assistant in Surgery.
MARIAN HETLESATER, Technician in Surgery.
ECTOR BOSSATTI, M.D., Clinical Instructor in Surgery.
F. WALTER BRODIE, M.D., Clinical Instructor in Surgery.
MAURICE M. COLLINGS, M.D., Clinical Instructor in Surgery.

OTTO GEORGE, M.D., Clinical Instructor in Surgery.
 ROBERT B. GREENE, M.D., Clinical Instructor in Surgery.
 ARTHUR D. POCHERT, M.D., Clinical Instructor in Surgery.

Orthopaedic Surgery

RICHARD BENJAMIN DILLEHUNT, M.D., Clinical Professor of Surgery.
 OTIS FRANKLIN AKIN, LL.B., Associate Clinical Professor of Surgery.
 CHARLES RICHARD MCCLURE, M.D., Associate Clinical Professor of Surgery.
 LEO SHERMAN LUCAS, M.D., Clinical Instructor in Surgery.
 CARL ELMER CARLSON, M.D., Clinical Instructor in Surgery.

Ophthalmology

FREDERICK ANDREWS KIEHLE, M.D., Clinical Professor of Ophthalmology;
 Head of Department.
 IRA EARL GASTON, M.D., Clinical Instructor in Ophthalmology.
 AUGUSTUS BERTRAM DYKMAN, M.D., Clinical Instructor in Ophthalmology.
 CLINTON TYNG COOKE, M.D., F.A.C.S., Clinical Instructor in Ophthalmology.
 HARRY MONROE HENDERSHOTT, M.D., Clinical Instructor in Ophthalmology.
 ANDREW JOHNSON BROWNING, M.D., Clinical Instructor in Ophthalmology.
 CANFIELD BEATTIE, M.D., Clinical Instructor in Otolaryngology and Ophthalmology.
 EDGAR MERLE TAYLOR, M.D., Clinical Instructor in Ophthalmology.
 O. MILLER BABBITT, M.D., Clinical Instructor in Ophthalmology.
 HARRY MATTHEW BOUVY, M.D., Clinical Instructor in Otolaryngology.
 WILSON JOHNSTON, M.D., Clinical Instructor in Ophthalmology.
 FRED MERTON RAY, M.D., Clinical Instructor in Ophthalmology.
 JOHN BURKE FLYNN, M.D., Clinical Instructor in Ophthalmology.
 ERNEST NELSON NEULEN, M.D., Clinical Instructor in Ophthalmology.
 GEORGE AINSLIE, M.D., Clinical Instructor in Ophthalmology.

Otology, Rhinology, and Laryngology

RALPH ALBERT FENTON, M.D., Clinical Professor of Otolaryngology; Head of
 Department.
 RALPH FERRIEN DAVIS, M.D., Associate Clinical Professor of Otolaryngology.
 FRANK B. KISTNER, M.D., Associate Clinical Professor of Otolaryngology.
 CHARLES THOMSON CHAMBERLAIN, M.D., Clinical Associate in Otolaryngology.
 HOWARD ERNEST CARRUTH, M.D., Clinical Instructor in Otolaryngology.
 WILLIAM HENRY HUNTINGTON, M.D., Clinical Instructor in Otolaryngology.
 HAROLD ROY LUCAS, M.D., Clinical Instructor in Otolaryngology.
 IRVING MARTIN LUPTON, M.D., Clinical Instructor in Otolaryngology.
 GUY LEE BOYDEN, M.D., Clinical Instructor in Otolaryngology.
 LESTER TALLMON JONES, M.D., Clinical Instructor in Otolaryngology.

PAUL TALMAGE NEELY, M.D., Clinical Instructor in Otolaryngology.
CHARLES LEMERY, M.D., Clinical Instructor in Otolaryngology.
WILFORD HALL BELKNAP, M.D., Clinical Instructor in Otolaryngology.
PAUL BAILEY, M.D., Clinical Instructor in Otolaryngology.
WILBUR M. BOLTON, M.D., Clinical Instructor in Otolaryngology.
HARRISON DOUGLAS HUGGINS, M.D., Clinical Instructor in Otolaryngology.
CANFIELD BEATTIE, M.D., Clinical Instructor in Otolaryngology and Ophthalmology.
LEO HARRY SCHATZ, M.D., Clinical Instructor in Otolaryngology.
MAX SIMONS, M.D., Clinical Instructor in Otolaryngology.
SQUIRE BOZARTH, M.D., Clinical Instructor in Otolaryngology.
MILTON STEINER, M.D., Resident in Otolaryngology.

Urology

ALBERT EDWARD MACKAY, M.D.C.M., F.A.C.S., Professor of Urology; Head of Department.
HENRY WELLAND HOWARD, M.D., Assistant Clinical Professor of Urology.
FRANKLIN PARADISE JOHNSON, Ph.D., M.D., Assistant Clinical Professor of Urology.
JOHN GUY STROHM, M.D., Assistant Clinical Professor of Syphilology and Instructor in Urology.
F. FLOYD SOUTH, M.D., Clinical Instructor in Urology.
ELMER EVERETT ANDERSON, M.D., Clinical Instructor in Urology.
WILLIAM MARTIN MARBUT, M.D., Clinical Instructor in Syphilology and Urology.
ERNEST JOSEPH NITSCHKE, M.D., Clinical Instructor in Urology.
JACOB J. ENKELIS, M.D., Clinical Instructor in Urology.
MARTIN SIGMUND SICHEL, M.D., Clinical Instructor in Syphilology and Urology.
JOHN GARDNER CHEETHAM, M.D., Clinical Instructor in Urology.
HOBART DEAN BELKNAP, M.D., Clinical Instructor in Urology.
JOHN REDMOND HAND, M.D., Clinical Instructor in Urology.
ROBERT LINDSAY McARTHUR, M.D., Clinical Instructor in Obstetrics, Syphilology, and Urology.
WILLIAM FRANCIS BECK, M.D., Clinical Instructor in Syphilology and Urology.
GEORGE K. ARMEN, M.D., Clinical Instructor in Urology.

Gynecology

RAYMOND EDWARD WATKINS, M.D., F.A.C.S., Clinical Professor of Gynecology; Head of Department.
FRANK RAYMOND MENNE, M.D., Professor of Gynecological Pathology.
ALBERT MATHIEU, M.D., Clinical Associate in Gynecology.

- THEODORE WRIGHT ADAMS, M.D., Clinical Associate in Gynecology and Obstetrics.
- VIRGIL E. DUDMAN, Clinical Associate in Gynecology; Assistant Clinical Professor in Obstetrics.
- GOODRICH CAPEN SCHAUFFLER, M.D., Clinical Associate in Gynecology and Obstetrics.
- ALBERT WILLIAM HOLMAN, M.D., Clinical Associate in Obstetrics and Instructor in Gynecology.
- EUGENE PHILLIS STEINMETZ, M.D., Assistant Clinical Professor of Obstetrics; Instructor in Gynecology.
- WILLIAM PATRICK SHARKEY, M.D., Clinical Instructor in Obstetrics and Gynecology.
- HOWARD CECIL STEARNS, M.D., Clinical Instructor in Gynecology and Obstetrics.
- WILLIAM MILES WILSON, M.D., Clinical Instructor in Obstetrics; Instructor in Gynecological Pathology.
- GEORGE R. SUCKOW, M.D., Resident in Gynecology.
- WALTER KELSEY, M.D., Assistant Resident in Gynecology.
- LILA TIMM, Technician.

OBSTETRICS

- CLARENCE JOSEPH McCUSKER, M.D., Clinical Professor of Obstetrics; Head of Department.
- VIRGIL E. DUDMAN, Assistant Clinical Professor of Obstetrics; Associate in Gynecology.
- EUGENE PHILLIS STEINMETZ, M.D., Assistant Clinical Professor of Obstetrics; Instructor in Gynecology.
- THEODORE WRIGHT ADAMS, M.D., Clinical Associate in Gynecology and Obstetrics.
- GOODRICH CAPEN SCHAUFFLER, M.D., Clinical Associate in Gynecology and Obstetrics.
- ALBERT WILLIAM HOLMAN, M.D., Clinical Associate in Obstetrics; Instructor in Gynecology.
- WILLIAM MILES WILSON, M.D., Clinical Associate in Obstetrics; Instructor in Gynecological Pathology.
- WILLIAM PATRICK SHARKEY, M.D., Clinical Instructor in Obstetrics and Gynecology.
- EDWIN EPIREM GAMBEE, M.D., Clinical Instructor in Obstetrics.
- ROBERT LINDSAY McARTHUR, M.D., Clinical Instructor in Obstetrics, Syphilology and Urology.
- HOWARD CECIL STEARNS, M.D., Clinical Instructor in Gynecology and Obstetrics.
- FRANCIS BERTRAM ZENER, M.D., Clinical Instructor in Obstetrics.
- JOHN C. ADAMS, M.D., Clinical Instructor in Obstetrical Pathology.
- RONALD FRAZIER, M.D., Clinical Instructor in Obstetrics.
- WILLARD STONE, M.D., Resident in Obstetrics.
- HARRY J. MACKAY, M.D., Assistant Resident in Obstetrics.

PEDIATRICS

JOSEPH B. BILDERBACK, M.D., Professor of Pediatrics; Head of Department.
JAMES WENDEL ROSENFELD, M.D., Associate Clinical Professor of Pediatrics.
LONDON HOWARD SMITH, M.D., Associate Clinical Professor of Pediatrics.
MORRIS LOUIS BRIDGEMAN, M.D., Clinical Instructor in Pediatrics.
SAMUEL GEORGE HENRICKE, M.D., Clinical Instructor in Medicine and Pediatrics.
JESSIE LAIRD BRODIE, M.D., Clinical Instructor in Pediatrics.
FREDERICK B. JOY, M.D., Resident in Pediatrics.
RONALD S. HAINES, M.D., Resident in Pediatrics.

Medical Research

CHARLES ULYSSES MOORE, M.D., Director of Nutritional Research Laboratory.
ALICE M. BAIERS, Ph.D., Research Assistant in Nutritional Research Laboratory.
ELDON CHULNARD, B.A., Student Assistant in Nutritional Research Laboratory.
JACK A. GIUS, B.A., Student Assistant in Nutritional Research Laboratory.
CLARENCE R. BLATCHFORD, A.B., Student Assistant in Special Research.
JAMES NAVARRE DUNN, B.S., Student Assistant in Special Research.
JAMES W. WILEY, B.S., Student Assistant in Anemia Research.
ORVAL PERDUE, Assistant Technician in Animal Research.

Assistants

WILLIAM WELKER, Animal Technician.
HARRIET F. EMIGH, B.S., Student Assistant in Library.
CLARICE ASHWORTH, Medical Illustrator.
MARGUERITE HENDERSHOT, Cashier-Bookkeeper.
MARTHA REIS, Assistant Cashier-Bookkeeper.
ALICE STRELLMAN, Clerk in Office.
DOROTHY E. TUCKER, Office Assistant.
ERMA G. ROBSON, Office Assistant.
IDA B. LUKE, Telephone Operator.
NORAH DOBBS, Telephone Operator.

Outpatient Clinic

RICHARD BENJAMIN DILLEHUNT, M.D., Dean of the Medical School.
RALF COUCH, A.B., Superintendent.
VALENTINE PRICHARD, Assistant Superintendent.
EDWIN E. OSGOOD, M.D., Director of Laboratory.
R. WALTER JOHNSON, Chief X-Ray Technician.
AMELIA FEARY, Director of Social Service.
MARY E. STARKWEATHER, Head Nurse.
JEAN COLLINGS, Physiotherapist.
JAMES C. SHIRLEY, Pharmacist.

ETTA MCOMBER, Admitting Officer.
 ELIZABETH DONALD, Admitting Clerk.
 CORINNE BURNAUGH, Registrar.
 LAURA B. MARTIN, Record Librarian.
 BERTHA DAVIS, Investigator.
 ANNA MURPHY, Social Service Visitor and Clinic Clerk.
 UTHA V. OSTREICH, Clerk in Social Service.
 ALICE STOW, Record Clerk.
 CATHARINE FOSTER, Record Clerk.
 MABLE WILHELM, Technician.
 MARGARET SHERWOOD, Technician.
 JANE GOODWIN, Technician.
 MARIE STRUBE, Technician.
 LEONARD MORLEY, Technician.
 KENNETH PETERSON, Assistant Technician.
 JOHANNA EGGERS, Obstetrical Nurse.
 AGNES T. MOFFATT, Obstetrical Nurse.
 JOSEPHINE SULLIVAN, Nurse.
 MARIAN PARSELL, Nurse.
 FRANCES M. CROKER, Dietitian.
 HAZEL RAGAIN, Clinic Clerk.
 MARIAN HETLESATER, Clinic Clerk.
 LILA TIMM, Clinic Clerk.
 KATHLEEN KOPETSKY, Clinic Clerk.
 EUNICE CLARK, Clinic Clerk.

EXECUTIVE FACULTY OF THE MEDICAL SCHOOL

William Jasper Kerr, Chancellor of the State System of Higher Education; Richard B. Dillehunt, Dean of the Medical School; Professors William F. Allen, Joseph B. Bilderback, George E. Burget, Harry R. Cliff, J. Earl Else, Ralph A. Fenton, Howard D. Haskins, Frederick A. Kiehle, Lyle B. Kingery, Olof Larsell, Albert Edward Mackay, Clarence J. McCusker, Frank R. Menne, Harold B. Myers, Harry J. Sears, Laurence Selling, Raymond E. Watkins.

STANDING COMMITTEES

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Publications and Catalogue—Ralf Couch (chairman); William F. Allen; Harold B. Myers.
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Representative to Graduate Council—Olof Larsell.

Jones Lectureship.—Laurence Selling (chairman); T. Homer Coffen; George E. Burget.

Student Health.—Harold B. Myers (chairman); T. Homer Coffen; Noble Wiley Jones; Frederick D. Stricker; Howard D. Haskins; Laurence Selling.

Internships.—Frank R. Menne (chairman); Noble Wiley Jones; Ralf Couch.

Henry Waldo Coe Prize.—George E. Burget (chairman); Harry J. Sears; Laurence Selling.

Doernbecher Memorial Hospital for Children

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HARRY JOHNSON SEARS, Attending Physician in Bacteriology.
HOWARD D. HADKINS, Attending Physician in Biochemistry.
HAROLD BUNCE MYERS, Attending Physician in Pharmacology.
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WILBUR M. BOLTON, Associate Physician in Otolaryngology.
WARREN C. HUNTER, Associate Physician in Pathology.

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CORAH V. LUND, Superintendent of Nurses.
RALF COUCH, Financial Secretary.
LAURA MARTIN, Record Librarian.
MARGARET HAMILL, Supervisor.
VISA OLESON, Supervisor.
ARLIE MOORE, Supervisor.
MABEL McELLIOTT, Supervisor and Anesthetist.
DOROTHY KEANE, Dietitian.
GWENDOLYN JOHNSTON, Supervisor.

Physical Plant

WREN ELTON GAINES, Superintendent of Buildings and Grounds.

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ESTABLISHED by a charter from the regents of the University in 1887, the University of Oregon Medical School has been in continuous operation since that time. On September 1, 1913, the Willamette University department of medicine was merged with the University of Oregon Medical School, the former retiring permanently from the field of medical education, leaving the latter the sole medical school in the Pacific Northwest. Under the terms of the merger, the students of Willamette University medical department were transferred to the University of Oregon Medical School and upon graduation received diplomas indicative of the consolidation. The alumni bodies of the two institutions were also merged.

Clinical and Special Facilities

CLINICAL facilities are afforded by the Multnomah County Hospital, the Doernbecher Memorial Hospital for Children, the Out-patient Clinic, and the Extramural Clinics.

Multnomah County Hospital. The commissioners of Multnomah county accepted the gift of nine acres on the medical school campus and constructed thereon the first unit of the Multnomah County Hospital, which was opened in 1923. The unit, built at a cost of approximately \$1,000,000, embodies the most modern conceptions of a teaching hospital. It accommodates 300 beds and is a general charity hospital. Contemplated additional units will increase the capacity to 500 beds.

Under the terms of a contractual agreement between the commissioners of Multnomah county and the University of Oregon, the medical school has access to the hospital for teaching purposes and the director of the hospital becomes a University official. The director of the hospital appoints the professional staff, seventy-five percent of whom are appointed from nomination by the Medical School. The arrangement provides a most successful affiliation for teaching, research, and the care of the sick.

The Doernbecher Memorial Hospital for Children (see page 103) affords every detail for teaching and research in the departments of pediatrics and other clinical divisions. The Hospital is operated by state appropriations and private donations.

The Outpatient Clinic unit of the Medical School (see page 103) joins the Doernbecher Memorial Hospital for Children and the Multnomah County General Hospital, thus unifying admissions, medical records, X-ray, laboratory, social service, and other such special medical services, eliminating duplication, and facilitating the care of patients and the teaching of medical students. Formerly the Outpatient Clinic was situated at Fourth and Jefferson streets as a dispensary founded in 1907 by the People's Institute, a private philanthropic institution. The Portland Free Dispensary became affiliated with the Medical School in 1909. On January 1, 1931, it was merged into the Outpatient Clinic of the University of Oregon Medical School.

The budget for maintenance and operation of the Clinic is derived from the County of Multnomah, the City of Portland, the State Board of Health, the Medical School, the Oregon Tuberculosis Association, and the Junior League of Portland. Cooperative service is also furnished by the Junior League of Portland and the Visiting Nurses Association.

Extramural Clinics. Clinics and ward walks for small classes are conducted in a number of hospitals not situated on the Medical School campus. These classes are held at Good Samaritan Hospital, St. Vincent's Hospital, Portland Surgical Hospital, Emanuel Hospital, Portland Medical Hospital, the Portland Sanitarium, Waverly Baby Home, Albertina Kerr Nursery, Contagious Hospital, and the State Hospital for the Insane.

Autopsy Service and Pathologic Museum. Under a contractual agreement with the Multnomah county commissioners, the Department of Pathology of the Medical School is designated to perform and record all coroner's autopsies, an arrangement that affords approximately 400 autopsies per year and materially augments the museum of pathology, and enables unusual opportunity for teaching in pathology and medical jurisprudence.

The museum, under a curator, has many thousand gross and tissue specimens.

The plan also assures authoritative records for medicolegal purposes.

The Nutritional Research Laboratory, privately maintained for the study of the nutritional causes of morbidity and mortality, is described under Research and Experimentation.

The Jones Lectureship in Medicine, founded by Dr. Noble Wiley Jones of Portland, provides the income from a \$5,000 fund for a series of lectures by an authority in some branch of medical science. These lectures are presented in conjunction with the annual meetings of the alumni association. The first lectures were given in 1920 by Professor Ludwig Hektoen, professor of pathology of the University of Chicago; the second, in 1921, by Professor William Ophüls, professor of pathology, Leland Stanford University; the third, in 1922, by Sir Thomas Lewis of London; the fourth, in 1925, by Dr. A. J. Carlson, University of Chicago; the fifth, in 1926, by Dr. Martin H. Fisher, professor of physiology, University of Cincinnati; the sixth, in 1928, by Dr. Julius Bauer of Vienna; the seventh, in 1931, by Dr. E. T. Bell, professor of pathology, University of Minnesota Medical School; and the eighth, in 1932, by Dr. W. B. Cannon, professor of physiology, Harvard University.

Summer Courses. Both preclinical and clinical courses are offered at the Medical School during the summer open to students registered in the Medical School.

Preclinical courses for medical students or others qualified for the work are offered during the summer at the Medical School, provided a sufficient number is enrolled to warrant. Because of the cost of laboratory supplies and equipment, tuition for these courses is based on the number of credit hours given for each course, the rate being \$4.50 per term hour. Courses begin at 8:00 o'clock and laboratory work follows lecture work.

Clinical. A limited amount of clinical work at the Outpatient Clinic is open during the summer months to medical students of junior and senior standing. The full time required for work—in each case fall, winter, and spring terms—is required for summer work. Clinics, for which required or elective credit may be given, are conducted in medicine, surgery, dermatology, urological disease, ophthalmology, otology, rhinology, laryngology, gynecology, and obstetrics.

Organization and Requirements

INSTRUCTION in the University of Oregon Medical School is organized under the Basic Science departments, comprising those sciences basic to medicine; the Clinical departments, comprising medicine and surgery and the various divisions of each, obstetrics, and pediatrics; and the Nursing Education department (see page 510).

Fees and Deposits. At the University of Oregon Medical School the tuition and registration fees are as follows: matriculation fee, \$5.00; resident tuition fee, per term, \$80.00; non-resident tuition fee, per term (additional), \$20.00; breakage deposit,* first and second years \$15.00, third and

*The cost of any damage done by a student to Medical School property is deducted from his deposit; and in case the identity of the one responsible cannot be established, a pro rata charge is made against the entire class of which he is a member. The remainder of this deposit is returned at the end of each school year.

fourth years \$10.00. Tuition fee for special or summer students is \$4.50 per term hour, minimum \$10.00. Tuition fee for graduate students is \$14.00. Diploma fee is \$10.00 for each degree taken.

Microscopes. Medical students are expected to provide themselves with microscopes.

Lockers. Coat room and laboratory lockers are assigned and a deposit of one dollar must be made when a lock is received.

Student Health. A committee of the faculty has special charge of student health. In addition to the general service of the entire School, arrangement is made for securing the advice and service of the Dean, Associate Dean, and heads of departments in all student health and welfare problems.

All entering students are required to take a physical examination.

Admission. Application for admission should be made not later than July 1. It is necessary to complete the list of matriculants early in July, making it thereafter impossible to consider applications for admission.

Notice of acceptance of application is accompanied by matriculation card, to be presented on registration day, together with duplicate to be returned not later than ten days following receipt, with matriculation fee of \$5.00 and a deposit of \$20.00, in order to reserve a place in the entering class. The deposit of \$20.00 applies toward the tuition fee of the first term. It is not refundable after August 15.

Applicants for admission are required to have satisfactorily completed four years in an accredited high school, or its equivalent, and collegiate preparation covering not less than three years of study in an acceptable institution. The recommended collegiate preparation is outlined on pages 167-168. Preparation for entrance to the Medical School must include the following:

I. High School Preparation. A minimum of fifteen units is required, acceptable toward collegiate matriculation, including the following:

	<i>Units</i>		<i>Units</i>
English	3	History	1
Algebra	1	One foreign language	2
Geometry	1	Additional in one of foregoing sub-	
Laboratory Science	1	jects	1
		Elective	5

Recommended High School Course. The following high school course, which meets all the formal requirements, is strongly recommended:

	<i>Units</i>		<i>Units</i>
English	4	Latin	2
Algebra	1½	History	1
Geometry	1	German or French	2
Physics	1	Electives	1½
Chemistry	1		
Total	15		

II. Collegiate Preparation. At least 135 term hours (90 semester hours), exclusive of credit in military science, of collegiate preparation in an accredited institution, are required for admission. Included in this preparation the following work is prescribed:

	<i>Term hours</i>
Chemistry, inorganic (qualitative and quantitative may be included)....	15
Chemistry, organic	8
Biology	20
Physics	12
English	9
German or French	20

The subject-matter considered in the course in organic chemistry should be distributed over the aliphatic and aromatic compounds. Not less than twenty-five percent of all chemistry credit must be for laboratory work.

Preparation in biology should be distributed between morphological and experimental courses in animal biology.

The course in physics should cover the subject subdivisions presented in the customary one-year college course, including not less than one laboratory period per week.

The German or French requirement may be satisfied by a statement certifying that the applicant possesses a ready sight-reading ability, submitted by an instructor granting credit in either subject in a standard college or university.

Candidates who are deficient in any of the minimum requirements indicated above will not be considered eligible for admission.

Recommended Elective Subjects. The student preparing for medicine is advised to consider carefully a balance in elective preparation between courses in the liberal arts and courses in subjects required for the study of medicine, above the stated minimal amounts. Subjects suggested are: history, economics, sociology, psychology, mathematics, advanced courses in English and literature.

Present facilities necessitate limiting each entering class to sixty. Many more than this number apply for admission. The selection is made upon the basis of scholarship, thoroughness of preparation, and personal fitness for the profession.

Aptitude Tests. All applicants for admission are expected to have taken the Aptitude Test conducted by the Association of American Medical Colleges at the various premedical institutions. Exceptions to this rule may be allowed in the case of those applicants who, because of legitimate reasons approved by the Committee on Admissions, have been unable to take the test.

Bachelor's Degree. Students entering the University of Oregon Medical School without the Bachelor of Arts or Bachelor of Science degree shall become eligible for one of these degrees, either in the University of Oregon or Oregon State College, or in their respective institutions, before entering upon the work of the third year in the School of Medicine.

Eligibility for the B.A. or B.S. degree in the University or the State College necessitates completion of 186 term hours including the satisfaction of the Lower Division group requirements and the requirements for a major subject in upper division work (see pages 167-168). The Lower Division group requirements are described on pages 115-116. The specific requirements for a B.A. or B.S. degree at the University or the State College are listed on pages 29-30.

Special Students. Students who are not candidates for the degree of Doctor of Medicine may register in courses in the fundamental laboratory branches for which they are prepared, as special students; and graduates in medicine may register as special students in any course. No matriculants are accepted as special students in clinical subjects, other than graduates in medicine. No graduates in medicine are accepted as candidates for the degree of Doctor of Medicine.

Special students who register for special work, and who are not candidates for the degree of Doctor of Medicine, are charged tuition according to the amount of work undertaken and the nature of the courses.

Requirements for Degrees. The School of Medicine offers M.D., M.A., M.S., and Ph.D. degrees as follows:

M.D. Degree. A candidate for the degree of Doctor of Medicine must have completed satisfactorily the curriculum described, or in case of admission with advanced standing, the last year must be taken in this medical school. All candidates for degrees are expected to be present at the commencement exercises and receive the diploma in person.

Combined Degree. Under degree requirements it is specified that a candidate shall have had such balanced collegiate training, including usual preparation in basic sciences, as to entitle him to receive a baccalaureate degree as outlined on pages 167-168.

M.A., M.S., and Ph.D. Degrees. The departments of Anatomy, Bacteriology and Hygiene, Biochemistry, Pathology, Pharmacology, and Physiology offer instruction leading to advanced degrees. See the section of the catalog devoted to Graduate Study.

Curriculum in Medicine

THE curriculum in medicine comprises a total of seven years beyond high school. The first three years, as indicated above, must be satisfactorily completed before admission to the Medical School (Portland). It has been found necessary for the present to limit the number of first-year students at the Medical School; consequently, completion of the third premedical year does not guarantee admission to the Medical School.

The first three years must be satisfactorily completed before admission to the Medical School (Portland). It has been found necessary for the present to limit the number of first-year students at the Medical School; consequently, completion of the third premedical year does not guarantee admission to the Medical School.

The four years spent in the Medical School at Portland are devoted to the subjects of the regular four-year curriculum in medicine required by law.

The prescribed and recommended subjects for the first, second, and third undergraduate years—i.e., premedical instruction—are described under Requirements for Admission. In the first, second, third, and fourth years at the Medical School there are 4,208½ hours of required work. In addition to this, 17 term hours must be earned from the list of elective courses offered. Elective courses may be taken with the permission of the instructor in any term for which they are scheduled. Students should consult the instructor in charge in each case. Descriptions of courses are to be found under the several department headings.

First Year

	Aggregate of hours			Total	Term hours
	Lecture	Laboratory	Clinic		
Anatomy	99	297	.....	396	18
Histology	33	99	.....	132	6
Embryology	22	66	.....	88	4
Bacteriology	44	132	.....	176	8
Biochemistry	66	165	.....	231	11
Physiology	33	66	.....	99	5
Military	33	.....	.....	33	3
	330	825	.....	1155	55

Second Year

Neurology	22	66	.....	88	4
Pathology	66	198	.....	264	12
Pharmacology	110	66	.....	176	12
Physiology	66	132	.....	198	10
Military	33	.....	.....	33	3
Medicine (Recitations)	22	.....	.....	22	2
Medicine (Phys. Diag.)	11	.....	22	33	2
Medicine (Lab. Diag.)	33	99	.....	132	6
Neuro-pathology and Psychopathology..	11	.....	.....	11	1
Surgery	22	.....	.....	22	2
	396	561	22	979	54

Four term hours of elective work are required during the first two years.

Third Year

Applied Anatomy	33	.....	.....	33	3
Bacteriology:					
Principles of Public Health	33	.....	.....	33	3
Community Health Problems .....	.....	.....	66	66	3
Pathology:					
Gynecological and Obstetrical Pathology	11	22	.....	33	2
Laboratory Neuro-pathology .....	.....	22	.....	22	1
Surgical Pathology .....	.....	.....	11	11	$\frac{1}{2}$
Medicine:					
Recitations	44	.....	.....	44	4
Physical Diagnosis	11	.....	.....	11	1
Clerkships .....	.....	.....	66	66	3
Medical Clinic .....	.....	.....	66	66	3
Gastroenterology	22	.....	.....	22	2
Nervous Diseases Lecture	33	.....	.....	33	3
Psychopathology	22	.....	.....	22	2
Dermatological Clinic .....	.....	.....	33	33	$1\frac{1}{2}$
Dermatology and Syphilology	11	.....	.....	11	1
Oral Hygiene and Oral Pathology.....	6	.....	.....	6	$\frac{3}{4}$
Radiology: Radiographic Diagnosis	33	.....	.....	33	3
Surgery:					
Recitations	44	.....	.....	44	4
Orthopaedics	22	.....	.....	22	2
Surgery of Extremities .....	.....	.....	44	44	2
Clerkships .....	.....	.....	132	132	6
Physiotherapy .....	.....	.....	22	22	1
Ophth., Otol., Rhin., Larn.:					
Ophth. Lectures	11	.....	.....	11	1
O. R. and L. Lectures	11	.....	.....	11	1
Urology:					
Lectures	11	.....	.....	11	1
Pediatrics:					
An. Ph. Hy. Inf. Ch. Clinic	22	.....	11	33	$2\frac{1}{2}$
Dis. of Inf. and Ch.	66	.....	.....	66	6
Clerkships .....	.....	.....	22	22	1
Physical Diagnosis .....	.....	.....	11	11	$\frac{1}{2}$

	Aggregate of hours			Total	Term hours
	Lecture	Laboratory	Clinic		
Gynecology:					
Lectures	22	.....	.....	22	2
Lectures	22	.....	.....	22	2
Clerkships .....	.....	.....	17	17	$\frac{1}{2}$
Obstetrics:					
Intro. Lect. and Demon.	22	.....	.....	22	2
Lect. and Demon.	22	.....	.....	22	2
Path. Preg. Lab. and Peurp.	22	.....	.....	22	2
Attendance at 6 Deliveries .....	.....	.....	11	11	$\frac{1}{2}$
Manikin	22	.....	.....	22	2
	578	44	512	1,134	77 $\frac{1}{2}$

Fourth Year

Pathology:					
Attendance at Autopsies (Students required to attend 3) .....	.....	.....	6	6	$\frac{1}{2}$
Autopsy Clinic .....	.....	.....	22	22	1
Clin. Path. Conf. ....	.....	.....	22	22	1
Pharmacology:					
Toxicology	5	.....	.....	5	$\frac{1}{2}$
Medicine:					
Dispensary .....	.....	.....	132	132	6
Med. Clinic .....	.....	.....	33	33	1 $\frac{1}{2}$
Contagious Diseases	11	.....	6	17	1
General Clinic .....	.....	.....	33	33	1 $\frac{1}{2}$
Nervous Dis. Clinic .....	.....	5 $\frac{1}{2}$	.....	5 $\frac{1}{2}$	$\frac{1}{2}$
Nerv. and Mental Clinics .....	.....	.....	11	11	$\frac{1}{2}$
Psychiatry, Clerkship .....	.....	.....	22	22	1
Tuberculosis Clinic .....	.....	.....	22	22	1
Dermatology .....	.....	.....	33	33	1 $\frac{1}{2}$
Derm. Syph. ....	.....	.....	44	44	2
Surgery:					
Dispensary .....	.....	.....	66	66	3
Gen. Surg. Clinic .....	.....	.....	22	22	1
Conference .....	.....	.....	44	44	2
Gen. Surg. Clinic .....	.....	.....	22	22	1
Gen. Surg. Clinic .....	.....	.....	44	44	2
Gen. Surg. Clinic .....	.....	.....	33	33	1 $\frac{1}{2}$
Ophthalm., Otol., Rhin., Laryn:					
Ophth. Disp. ....	.....	.....	33	33	1 $\frac{1}{2}$
Ophth. Lecture	11	.....	.....	11	1
O. R. and L. Disp. ....	.....	.....	33	33	1 $\frac{1}{2}$
O. R. and L. Lecture	11	.....	.....	11	1
Urology:					
Clinic .....	.....	.....	22	22	1
Outpatient Clinic .....	.....	.....	44	44	2
Pediatrics:					
Clinic .....	.....	.....	33	33	1 $\frac{1}{2}$
Gynecology:					
Outpatient Clinic .....	.....	.....	22	22	1
Ward Walks and Clinic .....	.....	.....	11	11	$\frac{1}{2}$
Obstetrics:					
Clinic .....	.....	.....	22	22	2
Outpatient Service (Attendance at 12 Deliveries required) .....	.....	.....	.....	.....	1 $\frac{1}{2}$
Postnatal Clinic .....	.....	.....	5	5	$\frac{1}{2}$
General Clinic .....	.....	.....	33	33	1 $\frac{1}{2}$
Clerkships .....	.....	.....	11	11	$\frac{1}{2}$
General:					
Medical Jurisprudence	11	.....	.....	11	1
	49	.....	891 $\frac{1}{2}$	940 $\frac{1}{2}$	48

RECAPITULATION

	Aggregate of hours			Total	Term hours
	Lecture	Laboratory	Clinic		
First Year	330	825	.....	1,155	55
Second Year	396	561	22	979	54*
Third Year	578	44	512	1,134	77 $\frac{1}{2}$
Fourth Year	49	.....	891 $\frac{1}{2}$	940 $\frac{1}{2}$	48*
	1,353	1,430	1,425 $\frac{1}{2}$	4,208 $\frac{1}{2}$	234 $\frac{1}{2}$

*Four additional hours of elective work are required in the first two years and ten in the fourth year.

PRESCRIBED WORK BY DEPARTMENTS

Preclinical

	Aggregate hours
Anatomy	704
Bacteriology and Hygiene	176
Biochemistry	231
Physiology	297
Pharmacology	176
Pathology	264
Military Science	68
Total hours, Preclinical.....	1,914

Clinical

Anatomy	33	
Pathology	116	
Pharmacology	5	
Medicine:		
General Medicine	666	
Nervous and Mental Diseases	49 $\frac{1}{2}$	
Psychiatry	22	
Dermatology and Syphilology	121	
Radiology	33	
Preventive Medicine	99	
Dental Medicine	6	
Surgery:		
General Surgery	451	
Orthopaedic	66	
Ophthalmology	55	
Otology, Rhinology, Laryngology	53	
Urology	77	
Gynecology	94	
Obstetrics	*170	
Pediatrics	165	
Medical Jurisprudence	11	
Total hours, Clinical	2,294$\frac{1}{2}$	
Total hours prescribed work	4,208$\frac{1}{2}$	

*Not inclusive of outpatient duty in obstetrics.

ELECTIVE WORK

Seventeen term hours of work in elective subjects are required of the candidate for the degree of Doctor of Medicine, four of which shall be taken during the first two years and ten during the fourth year. At least five of the ten units required in the fourth year shall be in the department of Medicine.

Basic Science Departments

ANATOMY

REQUIRED COURSES

FIRST YEAR

An 411, 412, 413. **Gross Anatomy.** Three terms, 6 hours each term.

Lectures and quizzes, 3 hours; laboratory, 9 hours; 396 hours.
Drs. Larsell and Straumfjord, Mr. Dow, Mr. Gettelman, Mr. Lewis and Mr. Wiens.

An 414. **Histology and Organology.** First term, 6 hours.

Lectures and quizzes, 3 hours; laboratory, 9 hours; 132 hours. Dr. Larsell, Mr. Dow, Mr. Gettelman, Mr. Lewis, and Mr. Wiens.

An 415. **Embryology.** Second term, 4 hours.

Lectures, 2 hours; laboratory, 6 hours; 88 hours. Dr. Allen, Mr. Dow, Mr. Gettelman, Mr. Lewis, and Mr. Wiens.

SECOND YEAR

An 511. **Neurology and Organs of Special Senses.** First term, 4 hours.

Prerequisites: An 411-415. Lectures, 2 hours; laboratory, 6 hours; 88 hours. Dr. Allen and Mr. Gettelman.

THIRD YEAR

An 611. **Applied Anatomy.** Third term, 3 hours.

Prerequisites: An 411, 412, 413. Lectures, quizzes and demonstrations; 3 hours; 33 hours. Drs. Foster and Straumfjord, and Mr. Lewis.

ELECTIVE COURSES

An 416. **Microscopic Technique.** Second term, 2 hours.

Limited to twelve students after consultation with instructor. Laboratory, 6 hours; 66 hours. Dr. Larsell and Mrs. Mitchelson.

An 503. **Research.** Hours to be arranged.

In any branch of anatomy, research is open to qualified students upon approval of any of the instructors. Drs. Allen and Larsell.

An 507. **Seminar and Journal Club.** Any term, hours to be arranged.

Anatomical staff and advanced students. Dr. Allen.

An 512. **Advanced Histology.** Second term, hours to be arranged.

Prerequisites: An 414, 415. Laboratory, 6 hours or less. Dr. Larsell.

An 513. **Topographical Anatomy.** Second term, 2 hours.

Prerequisites: An 411, 412, 413. Limited to fifteen students. Lecture, 1 hour; laboratory, 3 hours; 44 hours. Dr. Allen and Mr. Lewis.

An 514. **Special Dissections.** Term and hours to be arranged.

Limited to available material. Prerequisites: An 411, 412, 413.

An 515. **Applied Osteology.** Two hours.

Lectures and demonstrations, 1 hour; laboratory, 3 hours; 44 hours. Dr. Straumfjord.

An 516. **Mechanism of the Central Nervous System Studied from Lesions.**

Third term, hours to be arranged.

Prerequisite: An 511. Laboratory, 3 to 6 hours. Dr. Allen.

An 517. **Comparative Neurology.** Second and third terms, hours to be arranged.

Lectures, conferences, and laboratory. Dr. Larsell.

BACTERIOLOGY, HYGIENE, AND PUBLIC HEALTH

REQUIRED COURSES

FIRST YEAR

- Bac 411. **Medical Bacteriology and Immunology.** Third term, 8 hours.
Lectures, 4 hours; laboratory, 12; 176 hours. Drs. Sears and Levin.

THIRD YEAR

- Bac 511. **Principles of Public Health.** Second term, 3 hours.
The general principles of public health activities. Control of communicable diseases. Organization of federal, state, local, and other health agencies. Elements of infant, school, and industrial hygiene and vital statistics. Lectures, recitations, and discussions; three hours; 33 hours. Drs. Sears and Stricker.
- Bac 512. **Community Health Problems.** Summer, 3 hours.
A course consisting chiefly of a community health survey carried out under the direction of the department staff; 66 hours. Dr. Sears.

ELECTIVE COURSES

- Bac 503. **Research in Bacteriology and Immunity.** Hours to be arranged.
Dr. Sears.
- Bac 507. **Seminar in Bacteriology and Immunity.** Three terms, 1 hour each term.
Meetings of the departmental staff and assistants with a number of specially qualified students to discuss the newer developments in the science as they appear in the current periodical literature. Topics are assigned and individual reports read at meetings of the class. Open to a limited number of students. Meetings held once each week for one hour. Dr. Sears.
- Bac 513. **Parasitology.** First term, 3 hours.
A brief course in general parasitology consisting of lectures presenting the clinical and hygienic importance of human parasites and laboratory studies of morphology and diagnostic technic. Laboratory, 6 hours; lectures, 1 hour; 77 hours. Dr. Livingston and Mr. Charles Martin.
- Bac 514. **Immunology and Serum Technic.** Second term, 3 hours.
Lectures on the fundamentals of immunology and laboratory exercises in the technic of serum reactions. Laboratory, 3 hours; lectures and demonstrations, 2 hours; 55 hours. Dr. Sears.

BIOCHEMISTRY

REQUIRED COURSE

FIRST YEAR

BCh 411, 412. Biochemistry. First and second terms, 11 hours.

Three lectures and 6 hours laboratory. Three lectures and 9 hours laboratory; 231 hours. Dr. Haskins, Mr. Harris and Mr. Osgood.

ELECTIVE COURSES

BCh 503. Biochemistry Research. Hours to be arranged.

Dr. Haskins.

BCh 511. Advanced Biochemistry. Second term, 2 hours.

Lecture, 1 hour; laboratory, 3 hours; 44 hours. Dr. Haskins and Mr. Osgood.

Laboratory Diagnosis, course required for second year students; see Med 511.

PATHOLOGY

The pathological museum is comprehensive. Gross and microscopic tissues are received from surgical clinics of the several affiliated hospitals and from the autopsies of the coroner's office and other autopsies. See description on another page.

REQUIRED COURSES

SECOND YEAR

Pth 511. General Pathology. First term, 6 hours.

A course in general pathology, comprising the study of prepared slides supplemented by experiments, fresh and museum specimens. Lectures and recitations, 3 hours; laboratory, 9 hours; 132 hours. Drs. Menne and Johnston, Mr. Snyder and Mr. Mason.

Pth 512. General Pathology. Second term, 6 hours.

Lectures, 3 hours; laboratory, 9 hours; 132 hours. Drs. Hunter and Johnston, Mr. Snyder and Mr. Mason.

THIRD YEAR

Pth 513. Surgical Pathology. Three terms, $\frac{1}{2}$ hour each term.

One hour throughout the year, in sections; 11 hours. Drs. Manlove and Martzloff.

Pth 514. Gynecological and Obstetrical Pathology, 2 hours.

Lecture, 1 hour; laboratory, 2 hours; 33 hours. Drs. Wilson and Adams and Mr. Jones.

Pth 515. **Laboratory. Neuropathology.** First term, 1 hour.

This is a continuation of course Ps 611 and consists of laboratory work and demonstrations dealing with inflammatory reactions and degenerative conditions, with emphasis on general paresis and tabes dorsalis and brain tumors. Gross pathological specimens and demonstrations are used in illustrating the diseases studied. One two-hour period for 22 hours. Drs. Dixon and McLean and Mr. Mason.

FOURTH YEAR

Pth 611. **Autopsy Clinic.** Third term, 1 hour.

Studies of autopsies, including presentation of clinical history. Two hours; 22 hours. Drs. Hunter, Gatewood, and Johnston.

Pth 612. **Clinical Pathological Conference.** Three terms, 1 hour each term.

Multnomah County Hospital. Two hours throughout the year in sections; 22 hours. Drs. Menne, Hunter, Selling, Else, Johnston and Osgood, Mr. Snyder, Mr. Mason, and Mr. Jones.

AUTOPSY REQUIREMENTS

Pth 613. **Attendance at Autopsies.** Hours to be arranged, $\frac{1}{2}$ hour.

Each student is required to attend and describe at least three autopsies; one in each of the sophomore, junior, and senior years. Six hours. Drs. Menne and Hunter.

ELECTIVE COURSES

Pth 503. **Research.** Hours to be arranged.

Open to specially qualified students. Dr. Menne or Dr. Hunter.

Pth 516. **Advanced Systemic Pathology.** Hours to be arranged.

Study of the detached pathology of one system. Dr. Menne or Dr. Hunter.

Pth 517. **Advanced Pathological Histology.** Hours to be arranged.

Systematic study of microscopic sections of autopsy tissues. Open to students who have had at least one quarter's work in pathology. Dr. Menne.

Pth 518. **Special Pathology of Heart and Circulation.** Hours to be arranged.

Dr. Benson.

Pth 614. **Attendance at Autopsies.** Hours to be arranged.

Opportunity is offered to students each quarter to elect autopsy attendance with instruction, and such students are required to assist and to make detailed suggestions. Drs. Hunter and Menne.

PHARMACOLOGY

REQUIRED COURSES

SECOND YEAR

Phc 511. **Systematic Pharmacology and Prescription Writing.** Second term, six hours.

Lectures and quizzes, 5 hours; laboratory, 3 hours; 88 hours. Drs. Myers and Dickinson.

Phc 512. **Systematic Pharmacology and Pharmacodynamics.** Third term, six hours.

Lectures and quizzes, 5 hours; laboratory, 3 hours; 88 hours. Drs. Myers and Dickinson.

THIRD YEAR

Applied Pharmacology. Given in conjunction with Med 624, 625, 626.

FOURTH YEAR

Phc 513. **Toxicology.** Third term, $\frac{1}{2}$ hour.

Lectures and quizzes, 1 hour for 5 weeks; 5 hours. Dr. Myers.

ELECTIVE COURSES

Phc 503. **Research.** Hours to be arranged.

Students who are properly qualified and who can devote an adequate amount of time to the work are encouraged to pursue original investigation of pharmacological problems. Dr. Myers.

Phc 507. **Seminar.** Third term, 2 hours.

Open to third and fourth year students; 2 hours; 22 hours. Dr. Myers.

Phc 514. **Toxicological Analysis.** Third term, 2 hours.

(Second year.) Lectures and quizzes, 1 hour; laboratory, 3 hours; 44 hours. Dr. Myers.

PHYSIOLOGY

REQUIRED COURSES

FIRST YEAR

Phy 411. **Blood, Circulation and Respiration.** Third term, 5 hours.

Prerequisites: BCh 411-412. Lectures and recitations, 3 hours; laboratory, 6 hours; 99 hours. Drs. Burget, Manville, and Pynn, Mr. Moore and Mr. Lloyd.

SECOND YEAR

Phy 412. Digestion, Metabolism, Absorption, Secretion, Excretion, Muscle, and Heat. First term, 5 hours.

Prerequisite: Phy 411. Lectures and recitations, 3 hours; laboratory, 6 hours; 99 hours. Drs. Burget, Manville and Pynn, Mr. Moore and Mr. Lloyd.

Phy 413. The Nervous System and the Senses. Second term, 5 hours.

Prerequisites: An 411, 412, 413. Lectures and recitations, 3 hours; laboratory, 6 hours; 99 hours. Drs. Burget, Manville and Pynn, Mr. Moore and Mr. Lloyd.

ELECTIVE COURSES

Phy 414. Lectures on the History of Physiology. Second term.

One hour a week. Dr. Burget.

Phy 503. Research. Hours to be arranged.

Drs. Burget and Manville.

Phy 511. Physiology of the Glands of Internal Secretion. Third term, 2 hours.

Prerequisites: Phy 411, 412, 413. Lectures, 1 hour; laboratory, 3 hours; 44 hours. Dr. Burget.

Phy 512. Studies in Metabolism. First term, 2 hours.

Prerequisites: Phy 411, 412, 413. Lectures, 1 hour; laboratory, 3 hours; 44 hours. Dr. Pynn.

Phy 513. Diet and Nutrition. Second term, 2 hours.

(Third year.) A course in dietary requirements in health and disease with special emphasis given to the indications and contraindications for particular food factors; the hygiene of the gastro-intestinal tract: the peculiar value of sunlight, minerals, and vitamins. Prerequisites: Phy 411, 412, 413. Lectures, 2 hours; 22 hours. Dr. Manville.

MILITARY SCIENCE AND TACTICS

The Army Reorganization Act of Congress, June 4, 1920, provided for the establishment of units of the Reserve Officers' Training Corps in selected medical schools. An R. O. T. C. unit was established in the Medical School during 1920, and was among the first ten units established in Class A medical schools at the invitation of the surgeon general.

The subjects in the course serve as corollaries to other subjects taught in the school, in addition to which the organization, administration, and functions of the army, in both peace and war, are taught, particular stress being laid on the organization, administration, and functions of the medical department of the army.

Instruction is given by lectures, quizzes, and demonstrations. No drill is required, nor are uniforms worn during the school year. During the ad-

vanced course (third and fourth years) students are paid a commutation of subsistence amounting to more than \$200.00.

REQUIRED COURSE

Mil 414, 415, 416. **Basic Course.** Three terms, 1 hour each term.

Second year. This course covers military organizations, history of military medicine, theoretical schools of the soldier and company, first aid, organization and administration of the medical department, map reading, tactics and the use of medical units in peace and war. Captain Edgar.

ELECTIVE COURSE

Mil 417, 418, 419, 420, 421, 422. **Advanced Course.** Six terms, 1 hour each term.

Open to students of the third and fourth years who will be eligible on graduation to accept a commission in the Officers' Reserve Corps; 1 hour a week for 6 terms, and one summer camp of six weeks. Work during the school year consists of lectures, quizzes, and demonstrations covering hygiene, sanitation, control of communicable diseases, history and development of hospitals, hospitalization, school of the officer, military psychiatry and allied subjects. A summer camp of six weeks at Camp Lewis, Washington, immediately following the school year, is part of the course. It may be taken after the second or third years. The student receives 70 cents a day, transportation to and from camp, rations, uniforms, shelter, and medical treatment free at the camp. The student company functions in turn as medical detachment of a regiment, collecting company, ambulance company, and hospital company. Instruction is chiefly by demonstrations and practical exercises. Afternoons are devoted to athletics, equitation and recreation. Several trips are taken, the most interesting being the trip to Mount Rainier. At graduation those who have completed the course receive commissions as first lieutenants in the medical section of the Officers' Reserve Corps of the United States Army. Captain Edgar.

Clinical Departments

MEDICINE

INTERNAL MEDICINE

REQUIRED COURSES

SECOND YEAR

Med 511. **Laboratory Diagnosis.** Third term, 6 hours.

Lectures, 3 hours; laboratory, 9 hours; 132 hours. Drs. Haskins and Osgood and Mr. Harris.

Med 611. **Introduction to the Principles of Medicine.** Third term, 2 hours.

Recitations based on a standard text-book; 2 hours; 22 hours. Drs. Hollenbeck, Moore, and Wise.

- Med 612, 613, 614. **Physical Diagnosis.** Three terms, 2 hours first and second terms, 4 hours third term.
Lectures, 44 hours; demonstration, 44 hours; 88 hours. Drs. Lewis, Osgood, Gourley, and Baird.

THIRD YEAR

- Med 615, 616. **Medicine Recitations.** First and second terms, 2 hours each term.
Two hours; 44 hours. Drs. Hollenbeck, Moore, Wise, and Witham.
- Med 617, 618, 619. **Clinical Clerkship.** Three hours.
Sections of the third year class are assigned to the medical service of the Multnomah County Hospital throughout the year; 66 hours. Drs. Gourley, Osgood, and Riddle.
- Med 620, 621, 622. **Medical Clinic.** Three hours.
Multnomah County Hospital. Two hours throughout the year, in sections; 66 hours. Drs. Brill, Coffen, Gatewood, Rosenfeld, Rush, and Short.
- Med 623. **Gastroenterology.** Two hours.
Lecture and conference course, 2 hours, 22 hours. Dr. Fitzgibbon.

FOURTH YEAR

- Med 624, 625, 626. **Dispensary.** Three terms, 2 hours each term.
Four hours throughout the fourth year; 132 hours. Drs. Baird, Boylen, DuBois, Dahl, Hollingworth, Lewis, Lucas, Moore, Mount, Myers, Naimark, Nelson, Paul, Payne, Pynn, Simmons, Thayer, Wise, and Woods.
- Med 627, 628, 629. **Medical Clinic.** Three terms, $\frac{1}{2}$ hour each term.
Multnomah County Hospital. Diseases of the chest. One hour throughout the year; 33 hours. Dr. Matson.
- Med 630, 631. **Contagious Diseases.** First and second terms, 1 hour.
Contagious Hospital. Lecture, 1 hour during first term. Clinics, 1 hour for $5\frac{1}{2}$ weeks second term in sections; 17 hours. Drs. Dammasch and Hall.
- Med 632, 633, 634. **General Medical Clinic.** Three terms, $\frac{1}{2}$ hour each term.
Multnomah County Hospital. One hour throughout the year; 33 hours. Dr. Sears.
- Med 635. **Tuberculosis Clinic.** One hour.
Outpatient Clinic. Four hours a week for $5\frac{1}{2}$ weeks, throughout the year in sections; 22 hours. Drs. Bisailon and Wilson.
- Med 651. **Medical Jurisprudence.** Third term, 1 hour.
Eleven hours. Drs. Dillehunt, Stricker, McClure, Bisailon and Myers, the District Attorney of Multnomah County, and Dr. Menne, Director.

ELECTIVE COURSES

- Med 603. **Research.** Hours to be arranged.
- Med 636. **Diseases of Metabolism and the Ductless Glands.** First or second terms, 1 hour.
Lecture and conference course; 2 hours; 22 hours. Drs. Holcomb, Holcomb and Boylen.
- Med 637. **Diseases of the Kidney.** Second term, 1 hour.
Lecture and conference course; 2 hours; 22 hours. Dr. Millett.
- Med 638. **Diseases of the Circulation.** First term, 1 hour.
Lecture and conference course; 11 hours. Dr. Jones.
- Med 639. **Applied Therapeutics.** One hour.
(Fourth year.) Lectures and recitations; 11 hours. Dr. Wilson.
- Med 640. **Endocrinology.** One hour.
Two hours; 22 hours. Dr. Rush.
- Med 641. **Clinical Demonstrations.** First term, $\frac{1}{2}$ hour.
(Fourth year.) Multnomah Hospital; 11 hours. Dr. Osgood.
- Med 642. **Clinical Diagnosis.** Second term, $\frac{1}{2}$ hour.
(Fourth year.) Multnomah Hospital; 11 hours. Dr. Osgood.
- Med 643. **Minor Ailments Clinic.** One-half hour.
(Fourth year.) Eleven hours. Dr. Goldsmith.
- Med 644. **Differential Diagnostic Clinic.** One-half hour.
(Third year.) Eleven hours. Dr. Goldsmith.
- Med 645. **Cardiac Clinic.** One hour.
(Fourth year.) Outpatient Clinic. Two hours a week for one term; 22 hours. Drs. Coffen and Goldsmith.
- Med 646. **Medical Ward Walk.** Any term, $\frac{1}{2}$ hour.
(Third year.) Good Samaritan Hospital. One hour; 11 hours. Dr. Short.
- Med 647. **Diseases of the Blood and Blood Forming Organs.** Third term, 1 hour.
Lecture; 11 hours. Dr. Riddle.
- Med 648. **Basis of Symptoms.** One hour.
(Fourth year.) Eleven hours. Dr. Wilson.
- Med 649. **Tuberculosis Contact Clinic for Children.** One-hour.
(Fourth year.) Twenty-two hours. Dr. Henricke.
- Med 650. **Diseases of the Circulation—Bedside.** One-half hour.
(Fourth year.) Eleven hours. Dr. Jones.

NERVOUS AND MENTAL DISEASES

REQUIRED COURSES

THIRD YEAR

Neu 611, 612, 613. **Lecture on Nervous Diseases.** Three terms, 1 hour each term.

One hour throughout the year; 33 hours. Drs. Selling and Dixon.

FOURTH YEAR

Neu 614. **Clinic at Outpatient Clinic.** One-half hour.

One hour a week for 11 weeks; 11 hours. Drs. Margason and Levy.

Neu 615. **Clinic.** Three terms, $\frac{1}{2}$ hour.

Sections of the fourth year class are assigned to the neurological service, of the Multnomah County Hospital. Throughout the year, in sections; 11 hours. Dr. Selling.

PSYCHIATRY

REQUIRED COURSES

SECOND YEAR

Ps 611. **Lectures. Neuropathology and Psychopathology.** Third term, 1 hour.

This course consists of a series of lectures covering (1) organic diseases of the central nervous system, and (2) the fundamentals of psychopathology including anxiety, mental depression, obsessions, compulsions, pathological sleep, false beliefs, sensory imaginations, pathological sex, pathological memory, etc. Eleven hours. Dr. Dixon.

THIRD YEAR

Laboratory Neuropathology. (See Pth 515.)

Ps 613, 614. **Behavior Disorders of Children.** Second and third terms, 1 hour each term.

Lectures, Psychopathology and symptoms of various mental reaction types and behavior disorders of children. One hour a week for two terms for entire class. Twenty-two hours. Dr. Dixon.

FOURTH YEAR

Ps 615. **Clinic and Clerkship.** Three terms, 1 hour.

Case demonstration and treatment in clinic. Two hours; 22 hours. Dr. Dixon.

ELECTIVE COURSES

Ps 616. **Psychopathology.** Third term, 1 hour.

Eleven hours. Dr. Gilbert.

Ps 617. **Psychoses.** First term, 1 hour.

Lectures and demonstrations of various psychoses from the viewpoint of mental mechanism, etiology, symptomatology, diagnosis, and treatment. Eleven hours. Dr. Dixon.

Ps 618. **Demonstration Course in Pre-Psychotic Cases.** One-half hour.

(Fourth Year Clinic.) One hour a week for one term; 11 hours. Dr. Dixon.

DERMATOLOGY AND SYPHILOLOGY

REQUIRED COURSES

THIRD YEAR

Der 611, 612, 613. **Dermatological Clinic.** Three terms, $\frac{1}{2}$ hour each term.

Multnomah Hospital. One hour each week throughout the year; 33 hours. Dr. Kingery.

Der 614. **Dermatological Pathology and Syphilis Lectures.** One hour.

Eleven hours. Dr. Kingery.

FOURTH YEAR

Der 615. **Clinical Lecture and Conference Course.** Three terms, $\frac{1}{2}$ hour each term.

Three hours a week for each section for one term; 33 hours. Drs. Kingery, Labadie, and Parker.

Der 616. **Syphilis Outpatient Clinic.** Three terms, 2 hours.

Two hours a day, four times a week for five and one-half weeks; total 44 hours. Drs. Earl Anderson, Beck, Kaufman, McArthur, Marbut, Mizner, Sichel, and Strohm.

RADIOLOGY

REQUIRED COURSES

THIRD YEAR

Rad 611, 612, 613. **Radiographic Diagnosis.** Three terms, 1 hour each term.

Lectures and quizzes. This course will include a consideration of the interpretation of pathology as depicted on the radiograph and the fluorescent screen. This course will also include the medical, surgical, and dental application of roentgenology in diagnosis; the uses, the limitations, and the dangers; 33 hours. Drs. Butler, Haworth, Lancefield, Palmer, Rees, and Woolley.

ELECTIVE COURSES

Rad 614. **Radiographic Technic.** Any term, $\frac{1}{2}$ hour.

These lectures will be of a practical nature and will include the principles of radiography, and actual demonstrations of technic. (Fourth year.) Eleven hours. Mr. Johnson.

Rad 615. **Roentgen Therapy.** One hour.

Lectures; one hour. Dr. Haworth.

DENTAL MEDICINE

REQUIRED COURSE

THIRD YEAR

DM 611. **Oral Hygiene and Oral Pathology.** Third term, $\frac{1}{2}$ hour.
Six lectures. Dr. Chance.

SURGERY

GENERAL SURGERY

REQUIRED COURSES

SECOND YEAR

Sur 611. **Recitation.** Third term, 2 hours.
Recitations, 2 hours; 22 hours. Drs. Johnson and Leitch.

THIRD YEAR

Sur 612, 613. **Recitation.** First and second terms, 2 hours each term.
Recitations, 2 hours; 44 hours. Drs. Johnson and Leitch.

Sur 614. **Clinical Clerkships.** Three terms, 6 hours.
Multnomah Hospital. Throughout the year, in sections; 132 hours.
Drs. Cone, Berg, Else, Martzloff, McLean, Moran, Nichols, Nisbet,
Riphey, St. Pierre, and Suckow.

Sur 615, 616. **Physiotherapy.** Two terms, 1 hour each term.
Lectures and demonstrations; 22 hours. Dr. Jones.

Surgical Pathology. See Pth 513.

FOURTH YEAR

Sur 617, 618. **Outpatient Clinic.** One and one-half terms, 3 hours (total).
Two hours twice a week for one term, and two hours twice a week
for $5\frac{1}{2}$ weeks; 66 hours. Drs. Adams, Blosser, Buckley, Holzman,
Lewis, Lind, Nichols, Nisbet, and Owen.

Sur 619. **Surgical Clinic.** Three terms, 1 hour.
Two hours a week throughout the year, in sections; 22 hours.
Dr. Joyce.

Sur 620. **Surgical Conference.** Three terms, 2 hours.
Four hours a week throughout the year, in sections; 44 hours.
Drs. Holden and Pease.

Sur 621. **General Surgical Clinic.** Three terms, 1 hour.
Two hours a week throughout the year, in sections; 22 hours. Dr.
Wade.

- Sur 622. **General Surgical Clinic.** Three terms, 2 hours.
Four hours a week throughout the year, in sections; 44 hours.
Dr. Coffey.
- Sur 623, 624, 625. **General Surgical Clinic.** Three terms, $\frac{1}{2}$ hour each term.
Multnomah Hospital. One hour a week throughout the year; 33
hours. Drs. Bettman, Else and Wight.

ELECTIVE COURSES

- Sur 603. **Research.** Hours to be arranged.
- Sur 626. **Operative Surgery.** One hour.
Operative work upon animals; 2 hours a week; 22 hours. Dr.
Savage.
- Sur 627. **Proctology Lectures.** One hour.
(Third year.) Eleven hours. (Prerequisite to Sur 628.) Drs. Brooke
and Black.
- Sur 628. **Proctology.** One-half hour.
(Fourth year.) Prerequisite: Sur 627. A clinic of diseases of rectum
and colon. Eleven hours. Dr. Smalley.
- Sur 629. **Anaesthesia.** One hour,
Lectures and demonstrations on general and local anaesthesia;
11 hours. Dr. Owen.
- Sur 630. **Surgical Lesions of the Gastro-intestinal Tract.** One hour.
Lecture and demonstration course regarding diagnosis, pathology
and treatment. Eleven hours. Dr. Bueermann.
- Sur 631. **Surgery of Visceral Nervous System.** One hour.
Lectures and demonstrations; 11 hours. Dr. Livingston.
- Sur 632. **Surgical Treatment of Pulmonary Tuberculosis.** Third term, 1
hour.
(Fourth year.) Lectures and demonstrations. Eleven hours.
- Sur 633. **Pain; Its Relation to Diagnosis.** One hour.
(Third year.) Eleven hours. Dr. Livingston.
- Sur 634. **Minor Surgery.** One hour.
(Third year.) Lectures and demonstrations. Eleven hours. Dr.
Blosser.
- Sur 635. **Differential and Regional Neurosurgical Diagnosis and Therapeu-
tics.** One hour.
(Fourth year.) Lectures and demonstrations. Eleven hours. Dr.
McLean.
- Sur 636. **Acute Abdominal Lesions.** One hour.
(Fourth year.) Lectures. Eleven hours. Dr. Gambee.

ORTHOPAEDIC SURGERY

REQUIRED COURSES

THIRD YEAR

Orp 611. **Orthopaedic Surgery.** First term, 2 hours.

Lectures, two hours a week; 22 hours. Dr. McClure.

Orp 612, 613. **Surgery of the Extremities.** Second and third terms, 1 hour each term.

The course consists of systematic lectures and demonstrations dealing chiefly with fractures and other traumatic disorders of the extremities. The upper extremity is covered in one term; the lower in another. Two hours, lectures and clinics; 44 hours. Drs. Akin and Dillehunt.

ELECTIVE COURSES

Orp 614. **Orthopaedic Clinic.** Any term, 1 hour.

(Fourth year.) Two hours; Outpatient Clinic; 22 hours. Drs. Blair, Carlson, and Lucas.

Orp 615. **Orthopaedic Ward Walk.** Any term, 1 hour.

Shriners' Hospital for Crippled Children. (Fourth year.) The course consists of general ward rounds upon patients in the hospital, with discussion of the cases and methods of orthopaedic treatment in deformities of children. Two hours; 22 hours. Dr. Dillehunt.

OPHTHALMOLOGY

REQUIRED COURSES

THIRD YEAR

Eye 611. **Eye.** First term, 1 hour.

Lectures, recitations and daily quizzes; 1 hour; 11 hours. Dr. Browning.

FOURTH YEAR

Eye 612. **Eye Outpatient Clinic.** Three terms, 1½ hours.

Six hours a week for five and one-half weeks throughout the year, in sections; 33 hours. Drs. Babbitt, Beattie, Bouvy, Browning, Cooke, Flynn, Dykman, Gaston, Hendershott, Kiehle, Ray, and Taylor.

Eye 613. **Eye.** One hour.

Lectures, demonstrations, quizzes at each lecture and operative clinic. Eleven hours. Dr. Kiehle.

ELECTIVE COURSES

Eye 614. **Principles and Practice of Refraction.** Second term, 1 hour.

(Fourth year.) Lectures and case work, designated to instruct students in testing for glasses and in the use of the ophthalmoscope. Eleven hours. Dr. Browning.

- Eye 615. **Advanced Ophthalmology.** First term, $\frac{1}{2}$ hour.
(Fourth year.) Injuries and diseases. Eleven hours. Dr. Kiehle.
- Eye 616. **Ophthalmoscopic Clinic.** Any term, $\frac{1}{2}$ hour.
(Fourth year.) Multnomah Hospital. One hour; 11 hours. Drs. Cooke and Johnston.

OTOLOGY, RHINOLOGY, AND LARYNGOLOGY

REQUIRED COURSES

THIRD YEAR

- ENT 611. **Ear, Nose and Throat.** First term, 1 hour.
Lectures, recitations and daily quizzes. Eleven hours. Dr. Lupton.

FOURTH YEAR

- ENT 612. **Ear, Nose and Throat Outpatient Clinic.** One and one-half hours.
Practical instruction in examination and treatment of cases. Six hours, $5\frac{1}{4}$ weeks; 33 hours. Drs. Bailey, Beattie, Belknap, Bolton, Boyden, Bozarth, Carruth, Chamberlain, Davis, Fenton, Huntington, Huggins, Jones, Kistner, Lucas, Neely, Schatz, and Simons.
- ENT 613. **Ear, Nose and Throat.** Second term, 1 hour.
Lectures, demonstrations, quizzes at each lecture and operative clinic. Eleven hours. Drs. Davis, Fenton, and Kistner.

ELECTIVE COURSES

- ENT 614. **Advanced Otology.** Third term, $\frac{1}{2}$ hour.
(Fourth year.) Eleven hours. Dr. Davis.
- ENT 615. **Advanced Rhinology.** One-half hour.
(Fourth year.) One hour a week; 11 hours. Dr. Fenton.

UROLOGY

REQUIRED COURSES

THIRD YEAR

- Ur 611. **Diseases Affecting the Genito-Urinary Tract.** Third term, 1 hour.
Lectures, one hour; 11 hours. Dr. Howard.

FOURTH YEAR

- Ur 612, 613. **Urological Clinic.** First and second terms, $\frac{1}{2}$ hour each term.
Lectures and clinics, one hour; 22 hours. Drs. Johnston and Mackay.

Ur 614. **Outpatient Clinic.** Three terms, 2 hours.

Five and one-half weeks throughout the year, in sections; 6 hours; 44 hours. Drs. Elmer Anderson, Beck, Belknap, Enkelis, Hand, Howard, McArthur, Marbut, Nitschke, Sichel, and South.

ELECTIVE COURSES

Ur 615. **Outpatient Clinic.** One-hour.

Lectures and demonstrations; third and fourth year students; 22 hours. Dr. Strohm.

Ur 616. **Urology Clinic Assistantship.** One hour.

(Fourth year.) A two-hour period for one term; 22 hours. (Prerequisite: Ur 614.) Dr. Hand.

Ur 617. **Bedside Urological Clinic.** One hour.

(Fourth year.) One two-hour period a week in the Multnomah County Hospital for one term; 22 hours. Dr. Cheetham.

GYNECOLOGY

REQUIRED COURSES

THIRD YEAR

(For Gynecological and Obstetrical Pathology *see* Pth 514.)

Gyn 611. **Gynecology.** Second term, 2 hours.

Lectures, demonstrations and recitations, 2 hours; 22 hours. Dr. Watkins.

Gyn 612. **Gynecology.** Third term, 2 hours.

Lectures and recitations, 2 hours; 22 hours. Dr. Watkins.

Gyn 613. **Clinical Clerkships.** Three terms, $\frac{1}{2}$ hour.

Multnomah County Hospital. Sections of 5 $\frac{1}{2}$ weeks; 17 hours. Drs. Adams, Cone, Dudman, Mathieu, Stearns, Suckow, and Watkins.

FOURTH YEAR

Gyn 614. **Practical Gynecology.** Three terms, 1 hour.

Outpatient Clinic throughout the year, in sections, five and one-half weeks, 4 hours a week; 22 hours. Drs. Adams, Dudman, Holman, Mathieu, Schauffler, Sharkey, Stearns, Steinmetz, Watkins, and Wilson.

Gyn 615. **Ward Walks and Clinic.** Three terms, $\frac{1}{2}$ hour.

Multnomah County Hospital. One 2-hour ward walk each week for 5 $\frac{1}{2}$ weeks, throughout the year in sections; 11 hours. Drs. Adams, Mathieu, and Watkins.

ELECTIVE COURSE

Gyn 603. Research. Hours to be arranged.

OBSTETRICS

REQUIRED COURSES

THIRD YEAR

Obs 611. **Introductory Obstetrics.** First term, 2 hours.

Lectures, recitations, and demonstrations in obstetrics. The anatomy and physiology of the female pelvis and genitalis; diagnosis of pregnancy; the management of normal pregnancy; physiology and clinical course of normal labor and the puerperium. One hour, twice a week, in sections; 22 hours. Drs. Dudman, Schauffler, Sharkey, and Wilson.

Obs 612. **Lecture and Demonstration Course in Obstetrics.** Second term, 2 hours.

Mechanism of normal and abnormal presentation; manikin demonstration; care of the new-born child. Obstetrical technic; forceps, version, pubiotomy, cesarean section and embryotomy. One hour, twice a week, in sections; 22 hours. Drs. Dudman, Schauffler, Sharkey, and Wilson.

Obs 613. **Pathology of Pregnancy, Labor and the Puerperium.** Third term, 2 hours.

Lecture and demonstration. One hour, twice a week, in sections; 22 hours. Drs. Dudman, Schauffler, Sharkey, and Wilson.

Obs 614. **Attendance at Deliveries.** One-half hour.

Multnomah County Hospital. Prerequisite: Obs 611. Each student is required to be in attendance and make proper clinical record of six cases before taking outpatient work, 11 hours. Dr. Romig.

Obs 615. **Manikin.** Three terms, 2 hours.

Lectures and demonstrations. Two hours a week for one term, throughout the year in sections; 22 hours. Drs. Adams and Gambee.

Gynecological and Obstetrical Pathology. (See Pth. 514.)

FOURTH YEAR

Obs 616. **Clinical Obstetrics.** Two hours.

Outpatient Clinic and district clinics. This includes the examination of pregnant women, pelvimetry and instructions in prenatal and postpartem care. Five and one-half weeks; 22 hours; throughout the year, in sections. Drs. Adams, Gambee, McArthur, Romig, Sharkey, Stearns, Wilson, and Zener.

Obs 617. **Outpatient Service.** One and one-half hours.

(Prerequisite: Obs 614.) Delivery of patients in the home, Alberta Kerr Nursery and St. Vincent's Hospital, and attendance upon

mother and child after delivery. Attendance upon at least twelve cases required. Arranged and checked by Dr. Romig. Thirty-three hours.

Obs 618. **Postnatal Clinic.** One-half hour.

Outpatient Clinic. One hour a week; for 5 weeks; 5 hours. Drs. Adams, Gambee, Romig, Sharkey, Stearns, and Wilson.

Obs 619, 620, 621. **General Clinic.** Three terms, $\frac{1}{2}$ hour each term.

Multnomah Hospital. One hour each week throughout the year; 33 hours. Drs. McCusker and Adams.

Obs 622. **Clerkships.** One-half hour.

Multnomah Hospital. Two hours a week for 5½ weeks; 11 hours. Drs. McCusker and Adams.

ELECTIVE COURSE

Obs 603. **Research.** Hours to be arranged.

PEDIATRICS

REQUIRED COURSES

THIRD YEAR

Ped 611, 612, 613. **Anatomy, Physiology, Hygiene of Infancy and Childhood.** Three terms, 2½ hours.

Lectures, Clinics and bedside instruction on diseases of the newly born and diseases of nutrition. Practical work in infant feeding, Kerr Nursery. Lectures, 22 hours; clinic 11 hours; 33 hours. Dr. Smith.

Ped 614, 615, 616. **Diseases of Infancy and Childhood.** Three terms, 2 hours each term.

Lectures, clinics, and demonstrations throughout the year; 2 hours; 66 hours. Drs. Bilderback, Bridgeman, and Margason.

Ped 617. **Clerkships.** Three terms, 1 hour.

Doernbecher Memorial Hospital for Children; throughout the year, in sections; 22 hours. Dr. Mercier.

Ped 618. **Physical Diagnosis in Children.** Three terms, $\frac{1}{2}$ hour.

Lectures, clinics, and demonstrations at the Waverly Baby Home and Doernbecher Hospital. Two hours a week for 5½ weeks, throughout the year in sections; 11 hours. Dr. Bridgeman.

Psychopathology and symptoms of various mental reaction types and behavior disorders of children, see Ps 613, 614.

FOURTH YEAR

Ped 619. **Outpatient Clinic.** Three terms, 1½ hours.

Five and one-half weeks; 6 hours a week, throughout the year in sections; 33 hours. Drs. Bridgeman, Henricke, Mercier, and Rosenfeld.

FLECTIVE COURSES

Ped 603. **Research.** Hours to be arranged.

Ped 620. **Infant Feeding Clinic.** Any term, 1 hour.

Outpatient Clinic, 22 hours. Drs. Dennis and Brodie.

Demonstration Course in Pre-Psychotic Cases. (See Ps 618.)

Nursing Education

ELNORA E. THOMSON, R.N., Professor of Nursing; Director of Department of Nursing Education.

GRACE PHELPS, R.N., Associate Professor of Nursing; Director of Nursing, University of Oregon Medical School.

CATHARINE SYLVIA BASTIN, B.A., R.N., Assistant Professor of Nursing; Assistant Director of Nursing Education.

HARRIET OSBORN, B.A., R.N., Assistant Professor of Nursing.

BERTHA G. WILSON, B.S., R.N., Assistant Professor of Nursing.

JEAN COLLINGS, R.N., Instructor in Physiotherapy.

SADIE ORR DUNBAR, Instructor in Community Organization.

JOHN EARL ELSE, M.D., Instructor in Surgery.

AMELIA FEARY, B.A., R.N., Instructor in Social Case Work.

RALPH ALBERT FENTON, M.D., Instructor in Otolaryngology.

MARGARET KELLING, R.N., Instructor in Nursing Procedures.

FREDERICK ANDREWS KIEHLE, M.D., Instructor in Ophthalmology.

CHRISTINE LARSEN, R.N., Instructor in Drugs and Solutions.

LEO SHERMAN LUCAS, M.D., Instructor in Orthopaedic Surgery.

IRA ALBERT MANVILLE, M.D., Instructor in Physiology and Nutrition.

CLARENCE JOSEPH MCCUSKER, M.D., Instructor in Obstetrics.

PHILIP MOORE, B.S., Instructor in Chemistry.

HENRIETTA MORRIS, D.Sc., Instructor in Health Education.

EDWIN EUGENE OSGOOD, M.D., Instructor in Materia Medica.

LLOYD J. REYNOLDS, M.A., Instructor in English Composition.

HARRY JOHNSON SEARS, Ph.D., Instructor in Bacteriology and Public Health.

LONDON HOWARD SMITH, M.D., Instructor in Pediatrics.

RALPH BROWN, Assistant in Physiology.

ELDON CHUINARD, Assistant in Physiology.

MRS. ELDON CHUINARD, Assistant in Physiology.

HAROLD M. ERICKSON, Assistant in Physiology.

JACK GRONDAHL, Assistant in Anatomy and Physiology.
 HOWARD JOHNSON, Assistant in Chemistry.
 DAVID LOREE, Assistant in Chemistry.
 CHARLES MARTIN, Assistant in Bacteriology.
 MARTHA ROHNER, Assistant in Bacteriology.
 FLORENCE SWANSON, Assistant in Chemistry.

Affiliated Supervisors of Field Work in Public Health Nursing

MARY P. BILLMEYER, B.A., R.N., Director, Bureau of Nursing and Child Hygiene, State Board of Health.
 MARION G. CROWE, B.S., R.N., Superintendent, Portland Visiting Nurse Association.
 AMELIA FEARY, B.A., R.N., Director of Social Service, Outpatient Clinic.
 PAULINE KNUDSON, R.N., Director, School Nursing, School Hygiene Division, Bureau of Health.
 CECIL L. SCHREYER, R.N., Executive Secretary, Multnomah County Public Health Association.

EXECUTIVE FACULTY

Department of Nursing Education

RICHARD BENJAMIN DILLEHUNT, Dean of the Medical School.
 ELMORA E. THOMSON, Professor of Nursing; Director of Department of Nursing Education.
 GRACE PHELPS, Associate Professor of Nursing; Director of Nursing, University of Oregon Medical School.
 CATHARINE SYLVIA BASTIN, Assistant Professor of Nursing; Assistant Director of Nursing Education.
 HARRY JOHNSON SEARS, Professor of Bacteriology and Hygiene; Head of Department.
 RALPH ALBERT FENTON, Clinical Professor of Otolaryngology; Head of Department.
 IRA ALBERT MANVILLE, Associate in Physiology.
 CLARENCE JOSEPH MCCUSKER, Clinical Professor of Obstetrics; Head of Department.
 HARRY R. CLIFF, Director, Multnomah County Hospital (ex-officio).
 RALF COUCH, Secretary of the Medical School (ex-officio).

STANDING COMMITTEES

Admissions and Academic Requirements—Elnora Thomson (Chairman), Olof Larsell, Ira A. Manville, Grace Phelps, Lucy Davis.
Curriculum and Schedule—Harry J. Sears (Chairman), Edwin E. Osgood, Clarence J. McCusker, Elnora Thompson, Catharine S. Bastin, Ralf Couch (ex officio).

NURSING education is organized on a collegiate basis and leads to a Junior Certificate and Bachelor of Science degree. It prepares the student for state registration and is given in affiliation with hospital schools of nursing in Portland which meet the requirements of the University for such education. Each student is required to have one term of

theory and practice in pediatrics in the Doernbecher Hospital which is a unit of the University of Oregon Medical School.

Degree Curriculum in Nursing. As there are many opportunities in nursing for the woman who is well prepared, and as such preparation means professional education of a high order, the University offers a five-year curriculum in nursing which leads to the bachelor of science degree from the University and prepares the student for nurse registration. The first two years of this course are given in the School of Physical Education on the campus at Corvallis, followed by two years in a hospital school of nursing, with the fifth year as an elective in public health nursing, hospital administration, or some other special type of nursing education.

The first two years are designed to accomplish two things. First, the courses have been selected with a view to their cultural value, equal to that of the customary freshman and sophomore years. Second, they have been arranged to provide the student with that special preparation which enables her to complete her hospital training in two years instead of three, as in the usual hospital course of study leading to nurse registration.

The student then enters one of the schools of nursing in Portland which is affiliated with the Department of Nursing Education of the University of Oregon Medical School and in that school she has courses which require the hospital as a laboratory and theoretical courses in the Department of Nursing Education.

At the present time the University of Oregon grants a forty-five term hour credit for theory and practice given in a school of nursing, on a transcript of record from the hospital school signed by the Director of Nursing Education of the University. A student to be given this credit must be a graduate of a standard school of nursing which admits only high school graduates or be a student majoring in nursing in the University of Oregon.

The following courses given at the Portland Extension Center, if taken in proper sequence, will apply toward the B.S. degree in nursing (as electives or requirements). For detailed description of courses, see bulletin of Portland Extension Center.

Ant 345, 346, 347	The American Indian. Three terms, 2 hours each term.
Bac 345, 346	Bacteriology and Public Health. First and second terms, 2 hours each term.
Bac 347	Bacteriology Laboratory. First term, 2 hours.
Z 104, 102	Elementary Animal Biology. First and second terms, 3 hours each term.
Bot 101	Elementary Plant Biology. Third term, 3 hours.
ST 252	Office Procedure. First term, 2 hours.
ST 253	Office Management. Second term, 2 hours.
Ed 310, 311	Educational Psychology. First and second terms, 2 hours each term.
Ed 440, 441, 442	The Problem Child. Three terms, 2 hours each term.
Ed 451, 452, 453	History of American Education. Three terms, 2 hours each term.
Ed 455, 456, 457	Social Education. Three terms, 2 hours each term.
Ed 486	Vocational Counseling. Second term, 2 hours.
Ed 490	Character Education. First and second terms, 2 hours each term.
Eng 111, 112, 113	English Composition. Three terms, 2 hours each term.
Eng 114, 115, 116	Vocabulary Building. Three terms, 2 hours each term.

Eng 101, 102, 103	Literature Survey. Three terms, 2 hours each term.
Eng 361, 362, 363	European Novel. Three terms, 2 hours each term.
Eng 364, 365, 366	Recent American Literature. Three terms, 2 hours each term.
Eng 367, 368, 369	Shakespeare. Three terms, 2 hours each term.
Eng 464, 465, 466	Modern Drama. Three terms, 2 hours each term.
Eng 467, 468, 469	Nineteenth Century English Literature. Three terms, 2 hours each term.
Hst 457, 458, 459	History of Russia. Three terms, 2 hours each term.
Hst 476, 477, 478	History of the West. Three terms, 2 hours each term.
J 210	Journalistic Writing. First and second terms, 2 hours each term.
Psy 201, 202, 203	General Psychology. Three terms, 2 hours each term.
Psy 420, 421, 422	Abnormal Psychology. Three terms, 2 hours each term.
Soc 440, 441, 442	The Problem Child. Three terms, 2 hours each term.
Soc 455, 456, 457	Social Education. Three terms, 2 hours each term.
Soc 458, 459, 460	The Economic Life of Man. Three terms, 2 hours each term.

Public Health Nursing Education. The Department of Nursing Education in the University of Oregon Medical School offers a one-year curriculum in public health nursing which prepares the student for employment as a public health nurse in urban or rural communities and which leads to a certificate in public health nursing. Prerequisites for entrance are those required for college matriculation with the addition of graduation from an accredited school for nurses and nurse registration or of senior standing in the degree curriculum in nursing. If the student is a candidate for the bachelor of science degree she will be allowed forty-five term hours of academic credit for three years of nursing education if the school for nurses meets the requirements of the standard curriculum for schools of nursing. Other academic requirements are the same as for those for any other University of Oregon student who is a candidate for a similar degree.

A second year in public health nursing is also offered. In this, the public health nurse student is allowed considerable latitude in her choice of subjects as she may wish to specialize in some one field of medical social service or public health nursing.

Through the cooperation of Portland health and social agencies, the public health nurse student during the first two terms has an opportunity for practice in the urban field and in the spring term by an arrangement made with the Bureau of Public Health Nursing of the State Department of Health and through the cooperation of county nurses, practice in the field is had in rural districts in the vicinity of Portland.

Regular students in the one-year certificate curriculum in Public Health Nursing carry at least sixteen hours of work each term for four terms. This includes fifteen hours of field work per week (five term hours per term) in addition to theoretical courses outlined. Second-year students are allowed considerable latitude in electives so that they may have special work in that field of public health nursing in which they may wish to specialize.

Fees in Nursing Education. Fees* in Nursing Education are as follows: in degree curricula and Public Health Certificate curricula, per term, \$30.00; junior certificate curricula, per term \$11.00; non-resident tuition fee, per term (additional), \$20.00; pre-nursing curriculum, per term, \$30.00; laboratory fees, per term hour, \$1.50; diploma fee, for each degree taken, \$10.00.

*Students enrolled in the first two years of the degree curriculum, given at the State College at Corvallis, pay the fees required by that institution.

Curricula in Nursing Education

DEGREE CURRICULUM IN NURSING EDUCATION

B.A., B.S. Degrees

	Term hours		
	1st	2d	3d
Animal Biology (Z 101, 102, 103).....	3	3	3
Elementary General Chemistry (Ch 201, 202, 203).....	3	3	3
English Composition (Eng 111, 112, 113).....	3	3	3
*Background in Nursing (209, 210, 211).....	3	3	3
General Hygiene (PE 111, 112, 113).....	1	1	1
Elementary Physical Education (PE 114, 115, 116).....	1	1	1
Elective	3	3	3
	17	17	17

Summer

(Given in the Department of Nursing, University of Oregon Medical School.)

Anatomy and Physiology (Nur 205).....	6
Drugs and Solutions (Nur 110).....	2
	8

Second Year (Corvallis)

Organic Chemistry (Ch 221).....	5	.....	.....
Elementary Biochemistry (Ch 222).....	.....	5	.....
General Bacteriology (Bac 201, 202).....	3	3	.....
Sanitary Bacteriology (Bac 441).....	.....	.....	3
Introduction to English Literature (Eng 104, 105, 106).....	3	3	3
Outlines of Psychology (Psy 211).....	4	.....	.....
Nutrition (FN 320, 321).....	.....	3	3
Advanced Physical Education (PE 214, 215, 216).....	1	1	1
Elective .....	.....	3	8
	16	18	18

Third Year (Portland)

Given in the Department of Nursing Education of the University of Oregon Medical School, and affiliated hospital schools.

	Term hours		
	1st	2d	3d
Physiology of Nutrition .....	.....	.....	3
Case Work Method Applied to Nursing (Nur 230) .....	.....	.....	2
Elementary Nursing Procedure (Nur 151)	5	5	5
Clinics in Surgical Diseases (Nur 207)	5	.....	.....
Medical Diseases (Nur 215) .....	.....	2	.....
Surgical Diseases (Nur 235) .....	.....	2	.....
Eye, Ear, Nose and Throat (Nur 240).....	.....	.....	1
Orthopaedics (Nur 245).....	.....	.....	1
Communicable Disease Nursing (Nur 240) .....	.....	.....	2
Emergency Nursing (Nur 232) .....	.....	2	.....
Bacteriology (Nur 170) .....	.....	3	.....
	10	14	14

Fourth Year (Portland)

Advanced Nursing Procedures (Nur 307).....	5	5	5
Clinics in Medical Diseases (Nur 308).....	5	.....	.....
Clinics in Obstetrics (Nur 309).....	.....	5	.....
Clinics in Pediatrics (Nur 310).....	.....	.....	5
Materia Medica and Therapeutics (Nur 210).....	2	.....	.....
Obstetrics (Nur 335).....	.....	2	.....
Pediatrics (Nur 310).....	2	.....	.....
Physiotherapy (Nur 315).....	.....	.....	2
Psychiatric Nursing (Nur 325).....	.....	.....	2
Survey of Field and Related Professional Problems (Nur 330).....	.....	2	.....
	14	14	14

¹Given by the faculty in Nursing Education, University of Oregon Medical School.

Concurrent with the theory, practice is given in hospital wards in the third and fourth years as follows:

Elementary Nursing in Medical and Surgical Wards
 Isolation Nursing
 Dietotherapy
 Operating Room
 Advanced Nursing in Medical and Surgical Wards
 Minor Surgery
 Obstetrics
 Senior Ward Service
 Pediatrics

Fifth Year (Portland)

For this year the student elects one of the nursing specialties. Program is outlined through consultation with the Director of Nursing Education.

JUNIOR CERTIFICATE CURRICULUM IN NURSING EDUCATION

All students accepted by affiliated hospital schools matriculate in the University. Their high school credits are filed in the registrar's office as they would be for any University student. One full term of theory given by the University in the summer term and repeated in the winter term precedes the entrance of the students into the School of Nursing. In this term the student takes the subjects as outlined below:

	Term hours		
	1st	2d	3d
First Year			
History of Nursing (Nur 130).....	2	....	....
Nutrition (Nur 150).....	3	....	....
Elementary Nursing Procedures (Nur 151).....	5	5	5
Clinics in Surgical Diseases (Nur 207).....	5	....	....
Materia Medica and Therapeutics (Nur 210).....	....	....	2
Case Work Methods (Nur 230).....	....	....	2
Medical Diseases (Nur 215).....	....	....	2
Bacteriology (Nur 170).....	....	3	....
Surgical Diseases (Nur 235).....	....	2	....
	15	10	11
<i>Summer or winter</i>			
(Prerequisite)			
Anatomy and Physiology (Nur 205).....	....	6	....
Chemistry (Nur 120).....	....	4	....
Drugs and Solutions (Nur 110).....	....	2	....
Personal Hygiene (Nur 160).....	....	3	....
Second Year			
Communicable Disease Nursing (Nur 270).....	....	....	2
Eye, Ear, Nose, and Throat (Nur 240).....	1	....	....
Orthopaedics (Nur 245).....	1	....	....
English Composition (Eng 111, 112, 113).....	2	2	2
Clinics in Medical Diseases (Nur 308).....	5	....	....
Clinics in Obstetrics (Nur 309).....	....	5	....
Physiotherapy (Nur 315).....	....	2	....
Obstetrics (Nur 335).....	....	2	....
Modern Social and Health Movements (Nur 265).....	2	....	....
Public Health (Nur 320).....	....	....	2
Emergency Nursing (Nur 232).....	....	....	2
	11	11	8
Third Year			
Pediatrics (Nur 310).....	2	....	....
Clinics in Pediatrics (Nur 310).....	5	....	....
Survey of Field and Professional Problems (Nur 330).....	2	....	....
Psychiatric Nursing (Nur 325).....	2	....	....
Advanced Nursing Procedures (Nur 307).....	5	5	5
Electives.....	....	6	6
	16	11	11

Concurrent with the theory, practice is given in hospital wards in the following:
 Elementary Nursing in surgical and medical wards.
 Advanced nursing in medical and surgical wards.
 Isolation nursing.
 Dietotherapy.
 Operating room.
 Minor surgery.
 Obstetrics.
 Senior ward service.
 Pediatrics.

CURRICULUM IN PUBLIC HEALTH NURSING EDUCATION

First Year

	Term hours			
	1st	2d	3d	Summer
Section I				
Principles of Publicity (Nur 331).....			2	
Bacteriology and Public Health (Nur 345).....	2			
Community Organization (Nur 431, 432).....		2	2	
Methods in Social Case Work (Nur 414).....	3			
Field Work in Family Case Work (Nur 371).....	5			
Methods in Teaching Health (Nur 364, 365).....		2	2	
Introduction to Public Health Nursing (Nur 380, 381, 382).....	1		1	1
Methods in Public Health Nursing (Nur 383, 384, 385).....	3	3		
Field Work in Public Health Nursing (Nur 386).....		5	5	5
General Psychology (Nur 202, 203, 204).....	2	2	2	
Systems in Public Health Nursing (Nur 389).....				6
Electives		2	5	3
	16	17	18	15

Section II

Principles of Publicity (Nur 331).....	2			
Bacteriology and Public Health (Nur 345).....			2	
Community Organization (Nur 431, 432).....		3		
Methods in Social Case Work (Nur 414).....	3			
Field Work in Family Case Work (Nur 371).....	5			
Methods in Teaching Health (Nur 364, 365).....		3		
Introduction to Public Health Nursing (Nur 380, 381, 382).....	1	1	1	
Methods in Public Health Nursing (Nur 383, 384, 385).....	3		3	
Field work in Public Health Nursing (Nur 386).....		5	5	5
General Psychology (Nur 202, 203, 204).....			2	2
Systems of Public Health Nursing (Nur 384).....				6
Electives	4	3	2	2
	18	15	15	15

Upper Division (Elective)

Advanced Principles in Nursing (Nur 441, 442, 443).....	2	2	2
Advanced Field Work in Nursing (Nur 444, 445, 446).....	5	5	5
Seminar in Nursing (Nur 507).....	2	2	2
Electives (with special reference to the educational requirements and the professional needs and interests of the student.).....	7	7	7
	16	16	16

Description of Courses

PRE-HOSPITAL COURSES

Nur 110. Drugs and Solutions. Summer or second term, 2 hours.

To familiarize the student with common drugs used as disinfectants and antiseptics, presenting these in groups according to their common characteristics; to insure accuracy and afford practice in making up solutions commonly used by the nurse; to teach tables, arithmetic and method necessary for this purpose. Assistant Professor Bastin.

Nur 120. **Elementary Chemistry.** Summer or second term, 4 hours.

A course introductory to chemistry and designed to give the student in nursing a basis for the intelligent study of such subjects as physiology, nutrition, bacteriology, public health, materia medica and practical nursing. Mr. Harris. Lecture.

Nur 160. **Personal Hygiene.** Third term, 3 hours.

Designed to give the student the fundamental principles for building health, to help the student form sound health habits, and to give scientific methods for teaching health. Assistant Professor Bastin.

Nur 205. **Anatomy and Physiology.** Summer or second term, 6 hours.

To give the student a practical working knowledge of the structure and function of the skeletal system, an appreciation of the human body as an efficient machine, and to form the basis for the study of materia medica, as well as pathological conditions and to train in habits of exact observation. Dr. Manville.

JUNIOR CERTIFICATE COURSES

FIRST YEAR

Nur 130. **History of Nursing.** First term, 2 hours.

A study of present-day conditions in nursing; obstacles which have been overcome; the early leaders and the ideals and traditions underlying nursing. Professor Thomson.

Nur 150. **Nutrition.** First term, 3 hours.

This course is arranged to give the student a knowledge of the nutritive value of foods, their chemical combination and use for different age groups in health and in disease. Dr. Manville.

Nur 170. **Bacteriology.** Second term, 3 hours.

This course is for the student in nursing and is designed to help her understand the characteristics and habits of microorganisms so that she may know how to protect her patient, the public, and herself from infection. Dr. Sears.

Nur 210. **Materia Medica and Therapeutics.** Third term, 2 hours.

This course is designed to continue the study of drugs with special reference to their use as therapeutic agencies with emphasis upon the accurate administration of medicines and intelligent reporting of results. Dr. Osgood.

Nur 215. **Medical Diseases.** Third term, 2 hours.

The objects of this course are to give the student a practical understanding of the causes, symptoms, prevention, and treatment of medical diseases so that she may be prepared to give skilled assistance to the physician in the care of the patient. To develop skill in reporting symptoms of disease and the effect of treatment. Dr. Osgood.

Nur 230. Case Work Method Applied to Nursing. Third term, 2 hours.

A study of the principles underlying case work and an application of the methods used and found effective in other fields to the development and use of nursing case histories. Professor Thomson.

Nur 235. Surgical Diseases. Second term, 2 hours.

To give the nurse student the etiology and symptoms of the principal surgical diseases with preparative, operative, and post-operative treatment so that she may give intelligent assistance to the surgeon in promoting the patient's recovery. Dr. Else.

Eng 111, 112, 113. English Composition. Three terms, 2 hours each term.

Instruction and correction in writing papers, book reviews, essays, and reports in student's fields of study; drill in general exposition and practice in analyzing and summarizing reading material. Mr. Reynolds.

SECOND YEAR

Nur 240. Eye, Ear, Nose, and Throat. First term, 1 hour.

A study of the care and treatment of the eye, ear, nose, and throat under normal and abnormal conditions. Drs. Fenton and Kiehl.

Nur 245. Orthopaedic Surgery. First term, 1 hour.

Brief history of orthopaedic surgery showing recent progress. A study of normal motions, symptoms of abnormalities and methods of treatment so that the nurse may give skilled assistance to the orthopaedic surgeon in making corrections for the patient. Dr. Lucas.

Nur 265. Modern Social and Health Movements. Third term, 2 hours.

A study of the historical background for modern social and health movements. Present-day problems and methods used in the attempt to solve them. The relation of the nurse, private duty, institutional and public health, to these problems and programs. Assistant Professor Bastin.

Nur 270. Communicable Disease Nursing. Third term, 2 hours.

To give the student a practical understanding of the symptoms and treatment of the commoner communicable diseases. Assistant Professor Bastin.

Nur 315. Physiotherapy. Second term, 2 hours.

To give the student nurse an elementary understanding of these phases of treatment and appreciation of their importance. Miss Spragg.

Nur 320. Public Health. Third term, 2 hours.

The causes and preventions of communicable diseases. Public health practices. Lectures, illustrated with the microscope, lantern slides, charts, and bacterial cultures. Dr. Sears.

Nur 335. Obstetrics. Second term, 2 hours.

A study of the value of the individual family to the race. The importance of adequate medical and nursing care for maternity patients

from the beginning of pregnancy through the puerperium. Physiology and hygiene of normal pregnancy, complications, treatment, care of patients in hospital or home. Dr. McCusker.

THIRD YEAR

Nur 202, 203, 204. **General Psychology.** Three terms, 2 hours each term.

An introductory course in general psychology designed to furnish the student a sufficient knowledge of psychology for general cultural purposes and to serve as a basis for advanced work. Dr. Martin.

Nur 232. **Emergency Nursing.** Third term, 2 hours.

Covers emergency treatment to be given before the arrival of a doctor in cases of accident or physical injury. Assistant Professor Bastin.

Nur 310. **Pediatrics.** First term, 2 hours.

A study of the mental and physical development of the normal child from birth to puberty. Feeding: maternal, supplementary, complementary. Symptoms of disease in children, their prevention and treatment. Dr. Smith.

Nur 325. **Psychiatric Nursing.** First term, 2 hours.

A study of the changes which occur in the mental condition of physically ill patients. Observation of behavior on same basis as observation of physical factors; the consideration of abnormal behavior as a symptom of disease; the relation of childhood to adult life. Causes, prevention, and treatment in mental diseases. Professor Thomson.

Nur 330. **Survey of Field and Related Professional Problems.** First term, 2 hours.

An introduction to the various branches of nursing; problems, responsibilities, professional organizations, relation to other professions. Opportunities for further education. Assistant Professor Bastin.

COURSES GIVEN IN HOSPITAL SCHOOL

Nur 151. **Elementary Nursing Procedures.** Any term, 5 hours each term.

To give a clear understanding of the fundamental principles which underlie all good nursing, to develop habits of observation, system, and manual dexterity, and to establish a fine technique in nursing. Three sections. Lectures and laboratory. Given in hospital school. Assistant Professors Osborn and Wilson, and Miss Kelling.

Nur 207. **Clinics in Surgical Diseases.** First term, 5 hours.

To provide bedside teaching of the student nurse in surgical diseases and give her a practical understanding of symptoms and methods of treatment. Three sections. Assistant Professors Osborn and Wilson, Miss Kelling, and surgical staff in hospital at school of nursing.

Nur 307. **Advanced Nursing Procedures.** Any term, 5 hours each term.

To give the student a scientific method of approach to the nursing care of patients in special services in hospital such as obstetrics, pedi-

atrics, operating room, etc. Three sections. Lectures, laboratory. Given in hospital school. Assistant Professors Osborn and Wilson, Miss Kelling.

Nur 308. Clinics in Medical Diseases. First term, 5 hours.

To provide bedside teaching of the student nurse in medical diseases and give her a practical understanding of symptoms and methods of treatment. Three sections. Assistant Professors Osborn and Wilson, Miss Kelling, and medical staff in hospital school of nursing.

Nur 309. Clinics in Obstetrics. Second term, 5 hours.

To provide bedside teaching of the student nurse in obstetrics and to give her a practical understanding of symptoms in both normal and abnormal conditions and a knowledge of methods of treatment. Three sections. Assistant Professors Osborn and Wilson, Miss Kelling, and obstetrical staff, hospital school of nursing.

Nur 310. Clinics in Pediatrics. Any term, 5 hours.

To provide bedside teaching of the student nurse in pediatrics and to give her a practical understanding of symptoms in both normal and abnormal conditions and a knowledge of methods of treatment. Associate Professor Phelps and staff, Doernbecher Hospital.

PUBLIC HEALTH NURSING COURSES

Nur 331. Principles of Publicity. Third term, 2 hours.

A practical course for social workers, teachers, ministers, and others who handle their own publicity in a non-professional way. Training will not only include the methods for securing adequate and effective newspaper cooperation, but will cover the various other media that may be used to reach the public.

Nur 345. Bacteriology and Public Health. First and second terms, 2 hours each term.

The causes and prevention of communicable diseases. Lectures, illustrated with the microscope, lantern slides, charts, and bacterial cultures. The course is designed especially for social workers, nurses, and teachers. It is given without formal laboratory period. Small fee required for syllabus material. Dr. Sears.

Nur 364, 365. Methods in Teaching Health. Summer or second term, 3 hours; or second and third terms, 2 hours each term.

This course presents methods which are being developed in the field of health education with special relation to the public health nurse. Miss Morris.

Nur 371. Field Work in Family Case Work. First or third term, 5 hours.

The first quarters of field work will be spent in the Social Service Department of the University of Oregon Medical School in family case work, since experience in the solution of family problems is basic to all fields of public health nursing. Miss Feary.

Nur 380, 381, 382. Introduction to Public Health Nursing. Three terms, 1 hour each term.

This course presents the history and development of public health nursing and its relation to other fields of community service. Section I, Professor Thomson; Section II, Assistant Professor Bastin.

Nur 383, 384, 385. Methods in Public Health Nursing. Three terms, 2 to 3 hours each term.

This course presents the methods which have been devised to give service to individuals through public health nursing, generalized and specialized, and will, therefore, be closely allied to the field experience of the student. The technique which has been developed in each field of public health nursing will be critically studied in relation to its application to individuals served. Lectures, reports on assigned reading, and discussion. Section I, Professor Thomson; Section II, Assistant Professor Bastin.

Nur 386. Field Work in Public Health Nursing. Any term, 5 hours each term.

Experience will be had in pre-natal and post-natal nursing with the Portland Free Dispensary; infant welfare, tuberculosis, bedside and industrial nursing with the Portland Visiting Nurse Association; and school nursing with the school nursing division of the City Health Bureau. Professor Thomson, Assistant Professor Bastin.

Nur 387. Field Work in Public Health Nursing. Any term, 5 hours.

Rural public health nursing under the direction of the Bureau of Nursing, State Board of Health. Assistant Professor Bastin.

Nur 388. Field Work in Public Health Nursing. Summer or second term, 5 hours.

This course is arranged for the students who have completed three terms of the required course leading to the Certificate in Public Health Nursing and will consist of a full-time block of work with rural or urban public health nursing agencies. Professor Thomson.

Nur 389. Systems in Public Health Nursing. Summer or second term, 6 hours.

The development of Public Health practices and organization with special emphasis upon present trends in public health nursing. Professor Thomson; Assistant Professor Bastin.

Nur 414. Methods in Social Case Work. First or third term, 3 hours.

A study of the principles and methods common to all forms of social case work. Selected cases pertaining to the family case work field will be used demonstrating processes and skills generic to any kind of case work and employed in interviewing, analysis of situations, treatment and case recording. Miss Feary.

Nur 431, 432. Community Organization.

A study of the theories and methods of organization; how used by national, state, and local organizations; of constructive and de-

structive factors existing in community life; of the background of community movements. Students will make outline studies of organizations functioning in local communities and will discuss such topics as the fundamental institutions of any community, the inter-relationships of organizations, and the ideals that should motivate all efforts toward the development of our social machinery and its connection with local needs and opportunities. Mrs. Dunbar.

Nur 433, 434, 435. Administration in Nursing Schools. Three terms, 2 hours each term.

Problems of training school organization in connection with hospitals of various types and nursing schools under other forms of government. The essentials in nature and variety of hospital service, in administrative and teaching staff, and in equipment for the maintenance of educational work. General problems of training school management; the qualifications, personality, and training of superintendent or principal; general duties and responsibilities on the administrative side; the arrangement, control and supervision of practical work in wards or other hospital departments; and the appointment or direction of assistants and ward staff. Associate Professor Phelps.

Nur 436, 437, 438. Field Work in Hospital Administration. Three terms, 5 hours each term.

For senior students in nursing. The student will be given an opportunity for practice in the Doernbecher Hospital. Associate Professor Phelps. Hours to be arranged.

Nur 441, 442, 443. Advanced Principles in Nursing. Three terms, 2 hours each term.

This course presents the principles which underly service to individuals and families as they are applied through nursing. Professor Thomson.

Nur 444, 445, 446. Advanced Field Work in Nursing. Three terms, 5 hours each term.

This course is designed for senior or graduate nurse students. The student will be given an opportunity to work with an agency specializing in the particular form of nursing or medical social service in which her interest lies. Prerequisite or concurrent: Nur 441, 442, 443. Professor Thomson, Assistant Professor Bastin.

Nur 482, 483. Teaching Nursing Procedures. Second and third terms, 2 hours each term.

(Concurrent with Nur 484 or prerequisite.) A practical course in the study of newer and better methods which are applicable to nursing. Practical application of project method. Provision for individual differences with conferences and exhibits of approved equipment. Assistant Professor Bastin.

Nur 484, 485. Methods and Observation of Teaching Nursing Procedures. Second and third terms, 3 hours each term.

A professional course in methods of teaching nursing procedures

in the wards of the hospital. Student evaluation and management. Classes will be held at each hospital from which students are enrolled. Assistant Professor Bastin.

Nur 407. Seminar in Nursing. Three terms, 2 hours each term .

Arranged for advanced students in nursing. It is proposed to give the student an opportunity to study problems relating to nursing. Credit will be given only for the complete course. Professor Thomson.

Nur 516, 517, 518. Social Research. Three terms, hours to be arranged.

This course is intended to give the student an opportunity to work out projects in the line of his special interest. Opportunities in the field of child welfare, medical social work, visiting teaching, family welfare, and community organization will be afforded. Professor Thomson.

Nur 530. Case Work Seminar. First or second terms, 2 hours.

A discussion course designed for supervisors and executives. It will consist of individual reports and group discussions of problem cases. Professor Thomson. Hours to be arranged.

Nur 531, 532, 533. Fundamentals of Health Education. Three terms, 2 hours each term.

Lectures and discussions on the scientific basis for health development and the prevention of disease.

School of Pharmacy

WILLIAM JASPER KEHR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

ADOLPH ZIEFLE, Phar.D., Dean of the School of Pharmacy; Professor of Pharmacy.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

ERWIN BERTRAN LEMON, B.S., Registrar of the State College.

MYRTLE RUTH BURNAE, B.S., Secretary to the Dean.

Practical Pharmacy

ADOLPH ZIEFLE, Phar.D., Professor of Pharmacy.

FRANCOIS ARCHIBALD GILFILLAN, Ph.D., Professor of Pharmacy.

Pharmaceutical Analysis

LEWIS CLEMENCE BRITT, M.S., Assistant Professor of Pharmaceutical Analysis; Director of the Drug Laboratory of the Oregon State Board of Pharmacy.

Pharmacology and Pharmacognosy

ERNST THEODORE STUHR, M.S., Associate Professor of Pharmacology and Pharmacognosy.

IN 1898 on petition of the druggists of Oregon a department of Pharmacy was established by the Board of Regents of the College to meet the growing demand for thorough practical and technical training in pharmacy and related branches. The work in Pharmacy was organized as a School in 1917.

The School of Pharmacy is a member of the American Association of Colleges of Pharmacy, a national association organized to promote pharmaceutical instruction in the United States. Institutions holding membership must maintain certain minimum requirements for entrance and graduation. The influence of the Association has been so great that many states either by law or by ruling of the state board of pharmacy recognize its standards.

The State College is accredited by the Association of American Universities. The curricula of the School of Pharmacy are registered by the New York Board of Higher Education. Diplomas, as well as the work of students in this School, are recognized by all state boards of pharmacy requiring attendance in a school of pharmacy as a prerequisite for examination and registration.

The School of Pharmacy aims to prepare students for the intelligent practice of all branches of pharmacy. Its equipment, methods of instruction, courses of study, and other resources are arranged to meet the demands of the present day. Requirements for entrance and graduation exceed those of the Oregon State Pharmacy Law.

Class instruction, entrance requirements, and scientific standards are the same as in the other schools of the College, as well as in other Class A schools and colleges of pharmacy. Students are trained not only in technique, power of observation, and the principles of pharmacy, but also in resourcefulness, initiative, and individual responsibility. Students share all of the advantages and enjoy the spirit of a large educational institution.

Curricula. The curricula of the School of Pharmacy are planned with the following objectives: (1) Preparation of students for the examinations of state boards of pharmacy and to engage in practical drug store work. (2) Preparation of students for positions demanding scientific and cultural training combined with practical pharmacy subjects, such as research and manufacturing chemists with drug firms; traveling representatives who call on physicians and druggists to explain the action and use of newly discovered drugs, such as insulin, antiseptics, ephedrine, and other substances; inspectors for state and federal bureaus; specialists with the United States Department of Public Health, civil service, navy, and internal revenue departments; positions with boards of health; and a variety of other positions demanding basic training in pharmacy, chemistry, biology, modern languages, and cultural subjects.

Options in the election of courses are permitted according to the student's interest and needs. Prior to registration for each term the Dean outlines for each student the courses he should elect to fulfill his objective. It is important for each student planning to register in the School of Pharmacy to communicate with the Dean and ascertain the course of study best suited to his needs.

Graduates are eligible to take the examinations of any state board of pharmacy, and are prepared for any position requiring a knowledge of drugs and chemicals. Aside from a thorough training in pharmacy and chemistry, students are also instructed in bacteriology, zoology, physics, English, modern languages, business administration, and military science and tactics.

The American Medical Association has recognized the State College as a Class A institution. It is therefore possible for a student in four years to qualify both for the degree of Bachelor of Science in Pharmacy and for admission to a Class A medical school.

In accordance with the rulings of the Dental Educational Council of America and the American Association of Dental Schools, beginning with the session of 1926, all dental schools with Class A rating must exact as a requirement for admission to the first or freshman year of the course not less than one year of college pre-dental training, which should include one year's credit in English, biology (zoology), physics, chemistry (inorganic and qualitative). To this may be added an elective, preferably technical drawing and shop work.

Minimum Four-Year Curriculum. Effective in July, 1930, the four-year curriculum has been adopted as the minimum course of study in Pharmacy. In discontinuing the three-year curriculum at this time, three of the four schools of Pharmacy in Oregon and Washington have anticipated by two years the requirement of the American Association of Colleges of Pharmacy that the three-year curriculum be dropped in 1932. Students who began the three-year curriculum in this School before July, 1930, will be allowed until June, 1933, to complete their work and receive the Ph.C. degree.

Graduate Work. Graduate work leading to the degree of Master of Science (M.S. in Phar.) is offered in the School of Pharmacy. Candidates for the master's degree must hold a bachelor's degree in pharmacy from the College or its equivalent from an institution of equal rank. In addition, candidates must have attained a creditable scholastic average in their undergraduate work and must have determined upon a definite objective to be attained through the advanced work. Institutional requirements for the degree of Master of Science will be found in the section on Graduate Study in this catalog.

In all cases, a minimum of one entire academic year of three terms in residence is necessary when full time is devoted to the fulfillment of the requirements of the degree. If a candidate devotes part time to instructional work, for which compensation is received, a period longer than three terms is required. Fulfillment of the requirements of the major is based primarily on original work completed along some line of experimental investigation. A thesis must be prepared, incorporating the results of the investigation. An oral examination, given by the instructors in the department in which the candidate majored, is required.

The School of Pharmacy is well equipped with apparatus and facilities for scientific investigation. Where special apparatus is required, arrangement has been made to use that belonging to the Laboratory of the Oregon State Board of Pharmacy, located in the Pharmacy Building.

Regulations and Standards. Lecture periods are fifty minutes each, laboratory periods two or three hours, depending upon the character of the work. Some of the advanced courses require a large amount of collateral reading. Courses continue through the regular college year of nine months.

Requirements of the Pharmaceutical Profession. Public sentiment demands high requirements for the practice of pharmacy through the enactment of stringent State and Federal laws. It is now a necessity that pharmacists have a scientific training such as cannot be obtained by merely working in a drug store. The minimum college requirement of the Oregon State Board of Pharmacy is completion of a Class A four-year curriculum in pharmacy as a prerequisite for examination and registration.

Oregon Law Relating to the Practice of Pharmacy. The Oregon Pharmacy Law is enforced by the Oregon State Board of Pharmacy. This Board recognizes two classes of pharmacists: registered pharmacists and registered assistant pharmacists. The State law outlines the scope and duties of each class with regard to the dispensing of prescriptions, sale of poisons, and the manufacture of medicines. A candidate to be eligible to take the State pharmacy examination either as registered pharmacist or as regis-

tered assistant pharmacist must be an American citizen, eighteen years of age, or over, and have had a definite amount of theoretical and practical training. A registered pharmacist can operate a drug store, compound medicinal preparations, dispense prescriptions, sell poisons, and train registered assistant pharmacists. A registered assistant pharmacist must meet certain requirements of the State Board, including the passing of an examination. His duties are to assist the registered pharmacist, but he cannot compound medicines, operate a drug store, sell poisons, or dispense prescriptions. A resumé of the Oregon Pharmacy Law passed in 1921 and amended in 1925 is as follows:

Registered Assistant Pharmacist. A candidate for examination as a Registered Assistant Pharmacist must be an American citizen, over eighteen years of age, and have had three years' experience in a drug store where the prescriptions of physicians are compounded and dispensed; provided, that the time actually spent in attendance at a college accredited by the Oregon Board of Pharmacy shall be considered equivalent to the same period of practical experience, but in no case shall more than two years be credited for college attendance.

Registered Pharmacist. Beginning July 1, 1925, all candidates for examination as Registered Pharmacists, in addition to being American citizens, must be graduates of a college of pharmacy accredited by the Oregon Board of Pharmacy; provided, further, that the Board of Pharmacy may issue a certificate of registration to any person residing in this state and who has had at least twenty years' experience under the supervision of a Registered Pharmacist in a drug store where prescriptions of physicians are compounded and who shall satisfy said Board of his or her competent qualification and skill as a pharmacist.

Eligibility for Examination. All graduates of the School of Pharmacy are eligible to take the examinations of the Oregon State Board of Pharmacy. Those who make a passing grade in all subjects and by means of an affidavit can show that they have had one year of practical drug-store experience receive the certificate of registered pharmacist. The certificate of graduates who passed in all subjects but have not had the required amount of practical experience is withheld until they have had one year of practical drug-store experience.

Reciprocity. Since the Oregon State Board of Pharmacy is a member of the National Association of State Boards of Pharmacy, graduates who are registered by this Board are privileged to reciprocate with forty-six other states in the Union, without further examination.

Opportunity for Graduates. There is a constant demand for the thoroughly trained pharmacist. The demand, however, is for those having business ability, industry, integrity, and a thorough pharmaceutical education. Because of the great responsibility of the profession of pharmacy, in no field of work is expert knowledge more necessary.

The curriculum in Pharmacy provides for such varied and extensive training that graduates can take up several different lines of work. If they have completed the prescribed courses with a high scholastic average, they can matriculate in any standard school or college of medicine or dentistry without condition. They can qualify as pharmaceutical, analytical, and medical chemists, prescription dispensers, bacteriologists, physicians' assistants, traveling salesmen, manufacturing pharmacists and chemists; as specialists in the U. S. Public Health Service, the U. S. Navy, or the Veterans' Administration; as inspectors in the narcotic and alcohol divisions of the United States Government; as science instructors in high schools. Those graduates who have had good experience in practical drug-

store work are in demand as managers of drug stores. Students who have completed advanced work in pharmacy and who have received the M.S. degree are in demand as instructors in schools of pharmacy, as chemists for wholesale drug firms and other manufacturing firms, as experts with the Bureau of Chemistry of the United States Department of Agriculture, or with state and city health departments, as Federal food and drug chemists, as technicians in hospitals, and in a number of other branches of science requiring a knowledge of drugs, chemicals, clinical specimens, and technical materials.

Pharmacy as a Profession for Women. No field of work offers more desirable opportunities for women than pharmacy. The work is clean, pleasant, agreeable, and women are peculiarly adapted to it. The technical work of manufacturing and dispensing drugs involves the traits of neatness and accuracy that, generally speaking, are more predominant in women than in men. In store arrangement, window trimming, and other work requiring a knowledge of color harmony and display, a woman is naturally more adept than a man. More than seventy-five percent of all drugs and druggists' sundries are purchased by women, and it is natural that those patrons should prefer to deal with women.

Entrance Without Drug-Store Experience. Students are not required to have had drug-store experience upon entering the College. Such experience is very desirable, however, and students are advised to acquire one or preferably two years before taking up the courses in Pharmacy. No secondary or advanced credits are allowed for drug-store experience, but the State Board of Pharmacy requires one year of practical experience before registration can be granted.

Requirements for Graduation. The degree of Bachelor of Science in Pharmacy is conferred upon those who have satisfactorily completed the subjects as outlined in the four-year curriculum. This in the aggregate comprises 198 term hours in the case of women, and 204 term hours in the case of men, including military science and tactics.

Until July, 1933, the degree of Pharmaceutical Chemist will be conferred upon those who have completed satisfactorily the subjects of the three-year curriculum as outlined in the College Catalogue of 1929-30. This in the aggregate comprises 144 hours of collegiate work in the case of women, and 155 in the case of men, including physical education and military science and tactics.

The general requirements for the M.S. degree are outlined in the section of the catalogue devoted to Graduate Study.

Correspondence. Inquiries regarding the School of Pharmacy may be addressed to the Dean. Students desiring to enter will be provided with proper blanks for filing credentials. These may be obtained from the Registrar's office.

O. S. P. A. Educational Fund. Oregon druggists assembled at the thirty-sixth annual convention of the Oregon State Pharmaceutical Association held in the Pharmacy Building July, 1925, established an Educational Fund. The chief purpose of the fund is to assist worthy students of the School of Pharmacy who have a reasonable amount of means to complete their course. Oregon druggists are donating an average of \$100 each, payable on

demand or in ten installments. Wholesale drug firms doing an extensive business with the drug trade of Oregon are also contributing generously. A fund adequate for the needs of the School of Pharmacy is assured. The operation of the Fund is under the direction of a Board of Trustees elected from membership in the state association. As a basis for granting loans students are required to submit on the application form a budget, references, the name of a guarantor, and other information regarding their assets and liabilities. The average loan per student per year is \$100. The Educational Fund notes bear four percent interest. Only in exceptionally worthy cases are loans granted during the first term.

Equipment. The Pharmacy Building affords modern facilities, including a model drug store, a complete sign-card and window-trimming department, special laboratories, museum, library and study room. All laboratories and lecture rooms are equipped with all apparatus necessary for practical pharmaceutical instruction. Students have individual desks supplied with the materials necessary for the specific course. Students can borrow as much additional apparatus as they may need from the three pharmacy stockrooms. In order to conserve students' time in laboratory courses, all stock is placed on side shelves. Students are thus enabled to repeat an experiment as many times as are necessary to get accurate results.

In addition to the usual permanent fixtures and apparatus for individual students, the School is supplied with a number of pieces of special apparatus such as pharmaceutical stills, tablet and pill machines, filter presses, hand and power drug mills, special percolators, gas and electric drying ovens, and such other apparatus as is necessary for modern pharmaceutical instruction. The pharmacognosy room contains several hundred samples of crude drugs, official and unofficial preparations, and active principles of drugs used for study and identification purposes. There is also a collection of authentic crude drugs and their preparation donated by Eli Lilly company. This collection is used as a standard for all new supplies of drugs received. The special laboratory for commercial pharmacy is very well equipped for sign-card painting and display material.

Model Drug Store. Donations from wholesale and jobbing firms, from manufacturers of drug store fixtures, and from other sources have made it possible for the School of Pharmacy to equip in a corner room, 23 by 35 feet, on the second floor of the Pharmacy Building, a complete model drug store. The fixtures consist of Stedman's rubberoid flooring, 32 feet of mahogany English wall cases, 18 feet of plate-glass marble-base show-cases, a 10-foot wrapping counter, a 10-foot mahogany prescription case, 25 feet of cross partition, Coty display case, a cash register, an intercommunicating telephone, Waterman pen case, and similar displays. These fixtures, together with a complete stock, are used for instruction in salesmanship, show-case and window trimming, inventory, the keeping of poison and narcotic records, taking copies of prescriptions over a telephone, systematizing a drug stock and store management. As the stock and fixtures were donated for instructional purposes, nothing is actually sold or dispensed.

Drug Laboratory. For the purpose of determining the purity and regulating the sale of medicinal substances in the State of Oregon, the Oregon State Board of Pharmacy, in October, 1927, established in the Pharmacy Building

a State Drug Laboratory, which is under the supervision of trained chemists.

The object of the laboratory is to enforce Section 8646 of the Oregon laws fixing the responsibility for the purity of drugs upon the pharmacist. Realizing that druggists are not equipped to assay pharmaceutical preparations, the Board of Pharmacy established the laboratory primarily to assist them to dispense pure drugs. By means of the laboratory it is also the object of the Board to prevent dishonest practice and gross adulteration of medicinal substances sold by individuals other than pharmacists, and to make it a legal necessity that all drugs sold in the state shall be true to label.

The funds required to equip and maintain the laboratory are furnished by the Oregon State Board of Pharmacy. The room, permanent laboratory furniture, and other requisites are furnished by the College. The director of the laboratory is also a member of the faculty of the School of Pharmacy, and in addition to teaching undergraduate courses directs advanced students in their research work to qualify for the degree of Master of Science.

Because of the superior equipment in the drug laboratory together with the excellent facilities for original work provided by the College, it is possible for advanced students to do creditable work on the natural drug resources of Oregon and the Pacific Northwest; on the perfection in the manufacture of pharmaceuticals; to determine the stability and the best methods of preserving drug preparations; to collaborate with the Bureau of Chemistry of the United States Department of Agriculture, in the revision of the U. S. P. and N. F., and in fact along all lines of drug analysis.

1932-33 Curricula in Pharmacy

B.S. Degree

	Term hours		
	1st	2d	3d
Freshman Year			
English Composition (Eng 111, 112, 113).....	3	3	3
General Chemistry (Ch 204, 205, 206).....	5	5	5
History or elective.....	3	3	3
Theoretical Pharmacy (Phr 111, 112).....	3	3	.....
Pharmaceutical Processes (Phr 113).....	.....	.....	3
Commercial Pharmacy (Phr 211, 212).....	.....	2	2
General Hygiene and Physical Education (Men) (PE 151, 152, 153).....	1	1	1
Elementary Physical Education (Women) (PE 114, 115, 116).....	(1)	(1)	(1)
Military Science and Tactics.....	1	1	1
Social Ethics (Women) (PE 131).....	.....	.....	.....
	16	18	18
Sophomore Year			
Organic Chemistry (Ch 226, 227).....	5	5	.....
Quantitative Analysis (Ch 232).....	.....	.....	5
German or French (or elective).....	4	4	4
Animal Biology (Z 101, 102, 103).....	3	3	3
Constructive Accounting (BA 111, 112).....	3	3	.....
Business Law (BA 256).....	.....	.....	4
Advanced Physical Education (Men) (PE 251, 252, 253).....	1	1	1
Advanced Physical Education (Women) (PE 214, 215, 216).....	(1)	(1)	(1)
Military Science and Tactics.....	1	1	1
	17	17	18

	Term hours		
	1st	2d	3d
Junior Year			
Biology of the Vertebrates (Z 201, 202, 203).....	4	4	4
General Bacteriology (Bac 201).....	3	.....	.....
Pathogenic Bacteriology (Bac 332).....	.....	3	.....
Immunity and Serum Therapy (Bac 333).....	.....	.....	3
Practical Pharmacognosy (PhP 331, 332).....	3	3	.....
Natural Products and Drug Principles (PhA 321).....	3	.....	.....
Pharmacopoeial Testing (PhA 327).....	.....	3	.....
Inorganic Pharmacy (Phr 311).....	4	.....	.....
Pharmaceutical Calculations (Phr 313).....	.....	3	.....
Galenic Pharmacy (Phr 317).....	.....	.....	3
Galenic Preparations (Phr 318).....	.....	.....	3
Approved elective .....	.....	.....	4
	17	16	17
Senior Year			
Practical Pharmacology (PhP 391, 392).....	3	3	.....
Experimental Pharmacology (PhP 393).....	.....	.....	3
Proprietary Remedies (Phr 350).....	3	.....	.....
U. S. Pharmacopoeia and National Formulary (Phr 342, 343).....	.....	3	3
Drug Store Practices (Phr 347, 348).....	3	3	.....
Manufacturing Pharmacy (Phr 344).....	.....	3	.....
Prescription Lectures (Phr 354).....	4	.....	.....
Prescription Incompatibilities (Phr 355).....	.....	4	.....
Prescription Compounding (Phr 356).....	.....	.....	3
Approved electives	3	2	8
	16	18	17

PROFESSIONAL CURRICULUM

In addition to the regular pharmacy curriculum, the requirements for the B.S. degree in pharmacy may also be satisfied through a professional curriculum. This curriculum is elected by students who do not desire to engage in practical drug store work but who are interested in positions demanding in addition to basic training in pharmacy additional courses in chemistry, biology, physics, modern languages, and cultural subjects.

Students electing this curriculum are under the direct supervision of the Dean, who outlines their course of study at the beginning of each term so as to insure for them the best preparation for the field in which they desire to specialize.

The essential differences between the regular pharmacy curriculum and the professional curriculum are as follows:

(1) The proportion of the strictly pharmacy subjects required is smaller than in the case of students preparing for practical drug store work. Students pursuing a professional curriculum must, however, complete all the fundamental courses in pharmacy (a total of 45 term hours).

(2) Requirements in the physical sciences are increased by the addition of a year of physics, physical chemistry, and a course in testing for poisons and other drug principles.

(3) Additional courses in the biological sciences are required.

(4) The cultural requirements are increased by an additional year of German, one year of social science, one year of literature, and advanced courses in English.

(5) Finally, provision is made for electives in whatever fields the student desires to specialize.

Through a professional curriculum students are provided with a flexible program that not only provides thorough basic training in pharmacy but prepares them for a variety of other positions as outlined under "Curricula," page 525.

Practical Pharmacy

In the department of Practical Pharmacy are included elementary, basic, and advanced courses in pharmacy, together with advanced courses in commercial pharmacy.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

Phr 111, 112. **Theoretical Pharmacy.** First, second terms; 3 hours each term.

A systematic study of the official standards, processes and apparatus used in pharmacy. Part I of Army's Principles of Pharmacy, together with mimeographed lecture and laboratory outlines, is used. The laboratory work is designed to illustrate each topic taken up in lecture, such as weights and measures, specific gravity, uses of heat, solution, the grinding and extraction of drugs and other processes. Two lectures; 1 recitation; 1 three-hour laboratory period. Professor Ziefle.

Phr 113. **Pharmaceutical Processes.** Third term, 3 hours.

The fundamental manipulation used in the manufacture of simple galenical preparations. The manufacturing processes discussed in lecture are employed in the laboratory in compounding the simpler preparations of the U. S. P. and N. F.; also a few common unofficial preparations. Prerequisite: Phr 112. Two lectures; 1 recitation; 1 three-hour laboratory period. Professor Gilfillan.

Phr 120. **Theoretical Pharmacy.** Any term, 4 hours.

An abbreviated course identical with Phr 111, 112 except that no laboratory work is offered. Admission to this course is restricted to students transferring from other institutions having advanced standing credit for one year of general chemistry and other science courses. This course is designed to complete Theoretical Pharmacy in one term. Three lectures; 2 recitations. Professor Gilfillan.

Phr 211, 212. **Commercial Pharmacy.** Second, third term; 2 hours each term.

The printing of labels, price tags, and simple display signs; preparation of display standards and backgrounds; and other practical display work. The model drug store and sign-card painting and window-trimming department are used as laboratories. Printed laboratory notes and assigned readings. Students are required to furnish brushes and pens. Three two-hour laboratory periods. Assistant Professor Britt.

Phr 220. **Household Preparations.** Any term, 3 hours.

Study of the more common medicinal remedies, technical preparations, toilet requisites, and druggists' sundries used in the home. In the laboratory students prepare representative samples of each class of preparations and study the mode of application and specific use. Stain removers. Equipping and proper labeling of a medicine cabinet. Representative samples of stock and sundries are used for demonstration. Elective without prerequisites. One lecture; 1 recitation; 1 three-hour laboratory period. Professor Ziefle and assistants.

UPPER DIVISION COURSES

Phr 311. **Inorganic Pharmacy.** First term, 4 hours.

Inorganic chemicals and their preparations used in medicine. Part III of Army's Principles of Pharmacy is used as a lecture outline. In

the laboratory students make representative samples of certain types of chemicals, as well as tests for impurities, such as arsenic, lead, antimony, etc. Prerequisite: Ch 205. Two lectures; 1 recitation; 1 three-hour laboratory period. Deposit \$1.00. Professor Gilfillan.

Phr 313. Pharmaceutical Calculations. Second term, 3 hours.

Study of calculations common to pharmacy; weights and measures; percentage solution; alligations; specific gravity; thermometers; etc. Prerequisites: Phr 111, Ch 204. Two lectures; 1 recitation. Professor Gilfillan.

Phr 317. Galenical Pharmacy. Third term, 3 hours.

A study of the various types of galenical preparations as outlined in Part II of Army's Principles of Pharmacy and in the U. S. Pharmacopoeia and National Formulary. Prerequisites: PhP 331, Ch 226. Two lectures; 1 recitation. Professor Gilfillan.

Phr 318. Galenical Preparations. Third term, 3 hours.

Laboratory work in the preparation of simple galenicals, such as waters, pills, emulsions, suppositories, ointments, troches. Frequent identification examinations are held to familiarize students with the characteristics of the drugs they use, as well as of the preparations they make. Prerequisites or parallel: PhP 331, Ch 226. Three three-hour laboratory periods. Assistant Professor Britt.

Phr 342, 343. U. S. Pharmacopoeia and National Formulary. Second, third terms; 3 hours each term.

All drugs in United States Pharmacopoeia and National Formulary, as well as all important unofficial drugs and preparations in the dispensaries studied with emphasis on composition, uses, methods of manufacture, reasons for each step in process of manufacture, and all other important data. Complete review of all pharmacy subjects; study of typical state board questions; grounding in pharmaceutical legislation, identification of drugs and preparations, as well as other subjects which will prepare students for both state pharmacy examinations and efficient service in practical drug-store work. Prerequisites: Phr 318, PhP 332, Ch 227. Two lectures; 1 recitation. Professor Gilfillan.

Phr 344. Manufacturing Pharmacy. Second term, 3 hours.

This course deals with the manufacture of the more complex pharmaceuticals involving chemical reactions in their preparation. The aim of the course is to familiarize students with the accepted methods of manufacture of drugs in order that they may prepare small amounts of chemicals often required in compounding special prescriptions. Prerequisites: Phr 317, 318, 343; Ch 206, 227. Three three-hour laboratory periods. Associate Professor Stuhr.

Phr 347, 348. Drug Store Practices. First, second terms; 3 hours each term.

The stock and equipment of the model drug store are used for instruction in practical drug store work, including preliminary prob-

lems of establishing a drug store, store arrangement, salesmanship, showcase and window trimming, inventory, keeping narcotic and poison records, taking copies of prescriptions over the telephone, and other phases of drug store work. Mimeographed lecture notes, current trade bulletins, lectures by druggists and salesmen, and demonstrations by use of motion-pictures. Since all stock and sundries in the model drug store were donated for instructional purposes, nothing is actually sold or dispensed. One lecture; 1 recitation; 1 three-hour laboratory period. Professor Ziefle.

Phr 350. Proprietary Remedies. First term, 3 hours.

A brief descriptive survey of the more important preparations of various pharmaceutical manufacturers; a consideration of their composition, use, and therapeutic value. The text "New and Non-official Remedies" is supplemented by current literature and laboratory reports. Demonstration material includes most of the remedies considered. Prerequisites: Phr 318, PhP 332, Ch 227. Two lectures; 1 recitation. Professor Gilfillan.

Phr 354. Prescription Lectures. First term, 4 hours.

The theory of prescription compounding as outlined in Scoville, Art of Compounding, is made the basis of the course. The aim is to familiarize students with the approved methods of compounding prescriptions containing ordinary remedies, as well as proprietaries and the newer remedies. Prerequisites: Phr 318; PhP 332; Ch 206, 227. Two lectures; 1 recitation; 1 three-hour laboratory period. Associate Professor Stuhr.

Phr 355. Prescription Incompatibilities. Second term, 4 hours.

Several hundred incompatibilities in prescriptions studied from the point of view of the cause of the incompatibility, and the best method of overcoming it. Practical druggists throughout the state send in incompatible prescriptions for advice as to the best method of compounding, and these together with the regular type prescriptions as outlined in Ruddiman's Incompatibilities in Prescription and in current pharmaceutical literature are made the basis of the course. Prerequisites: Phr 354, Ch 226. Two lectures; 1 recitation; 1 three-hour laboratory period. Associate Professor Stuhr.

Phr 356. Prescription Compounding. Third term, 3 hours.

In this course the students apply the principles learned in Phr 355 to the actual compounding of prescriptions. More than one hundred prescriptions representing the general types met with in actual practice are compounded. The latter part of the course deals with the management of a prescription department, the compounding of toilet and domestic preparations, as well as many other methods common to a pharmacy. In preparation for the state pharmacy examination students study the physical characteristics of all common drugs, chemicals, preparations, and synthetics, and are examined in identification. Prerequisites: Phr 355, Ch 227. One lecture; 2 three-hour laboratory periods. Associate Professor Stuhr.

GRADUATE COURSES

- Phr 501. **Graduate Research.** Terms and hours to be arranged.
- Phr 503. **Graduate Thesis.** Terms and hours to be arranged.
- Phr 505. **Reading and Conferences.** Terms and hours to be arranged.
- Phr 507. **Seminar in Current Problems.** Terms and hours to be arranged.
- Instruction and practice in the method of attack of a scientific problem, the use of pharmaceutical literature, and the preparation of written reports on scientific investigations.

Pharmaceutical Analysis

COMPRISED in the department of Pharmaceutical Analysis are all courses in Drug Analysis, qualitative and quantitative. These courses are open only to juniors, seniors, and graduate students. The department is under the supervision of the Director of the Drug Laboratory of the Oregon State Board of Pharmacy.

DESCRIPTION OF COURSES

UPPER DIVISION COURSES

- PhA 321. **Natural Products and Drug Principles.** First or third term, 3 hours.

A combined lecture and laboratory course on the natural products, active constituents of drugs, synthetic drugs, and newer remedies. The purpose of the course is to study all official and unofficial drugs in these classes in groups, the methods of isolation and manufacture, physical characteristics, incompatibility, medicinal and technical uses, confirmatory tests, and tests for adulteration and deterioration. Prerequisites: Ch 206, 227. One lecture; 2 three-hour laboratory periods. Assistant Professor Britt.

- PhA 327. **Pharmacopoeial Testing.** Second term, 3 hours.

The quantitative testing of the more common official and unofficial drugs for their purity and strength. Students analyze the preparations made in the laboratory, as well as other substances used in dispensing practice. Prerequisites: PhA 321, Ch 227. One lecture; 2 three-hour laboratory periods. Assistant Professor Britt.

- PhA 441. **Toxicology.** Any term, 3 hours.

Detection of the common inorganic and organic poisons, with emphasis on alkaloids and synthetics. Tests used are those commonly accepted as evidence in medico-legal cases. Pharmacological action of each poison and antidotal treatment. Prerequisites: PhP 332, PhA 321, Ch 206, 227. One lecture; 2 three-hour laboratory periods. Professor Gilfillan.

PhA 461, 462, 463. **Quantitative Drug Analysis.** Three terms, 3 hours each term.

Quantitative analysis of crude drugs and drug preparations by physical means or chemical methods. Polariscope, refractometer, and other special apparatus are used. Students showing proficiency in this course are permitted to do special work in the State Drug Laboratory. Prerequisites: PhA 321, 327; Ch 227. One lecture; 2 three-hour laboratory periods. Assistant Professor Britt.

GRADUATE COURSES

PhA 501. **Graduate Research.** Terms and hours to be arranged.

PhA 503. **Graduate Thesis.** Terms and hours to be arranged.

PhA 505. **Reading and Conferences.** Terms and hours to be arranged.

PhA 507. **Seminar in Current Problems.** Terms and hours to be arranged. Conducted jointly with Phr 507 and PhP 507. See Phr 507.

Pharmacology and Pharmacognosy

COURSES in the culture and identification of medicinal plants, together with all courses dealing with the physiological action of drugs and their therapeutic value, are included in the department of Pharmacology and Pharmacognosy.

DESCRIPTION OF COURSES

UPPER DIVISION COURSES

PhP 331, 332. **Practical Pharmacognosy.** First, second terms; 3 hours each term.

Study of animal and vegetable drugs with reference to their habitat, botanical classification, official titles, synonyms, constituents, uses, identification, and standardization. Prerequisites: Phr 113; Ch 206, 227. Three lectures; 1 recitation. Associate Professor Stuhr.

PhP 338. **Microscopy of Drugs.** Any term, 3 hours.

Microscopic structure and characteristics of drugs; methods of identifying powdered drugs and of detecting adulterations. Prerequisites: PhP 332, Ch 226. One lecture; 2 three-hour laboratory periods. Associate Professor Stuhr.

PhP 391, 392. **Practical Pharmacology.** First, second terms; 3 hours each term.

Physiological action and medicinal uses of drugs on the human organism. Drugs classified according to the arrangement in Cushny's Pharmacology, the subjects treated in the following order: factors influencing the use of remedies; definitions of medical terms; dose and action; official definitions and constituents. Preparation for the state

board examinations in this subject. State and national laws regarding the sale of poisons and narcotics receive special attention. Prerequisites: Phr 318; PhP 332; Ch 206, 226. Two lectures; 1 recitation. Associate Professor Stuhr.

PhP 393. Experimental Pharmacology. Third term, 3 hours.

A continuation of PhP 391, 392, but with the introduction of laboratory work and demonstration. Biological tests are made of some of the more important drugs of the U. S. P. and N. F. Prerequisite: PhP 392. Two lectures; 1 three-hour laboratory period. Associate Professor Stuhr.

PhP 481. Pharmacological Standardization. Any term, 3 hours.

Biological assaying, employing the methods of the U. S. P., together with certain unofficial but well-recognized procedures. Prerequisites: PhP 393, Ch 227, Bac 332, Z 203. One lecture; 2 three-hour laboratory periods. Associate Professor Stuhr.

GRADUATE COURSES

PhP 501. Graduate Research. Terms and hours to be arranged.

PhP 503. Graduate Thesis. Terms and hours to be arranged.

PhP 505. Reading and Conferences. Terms and hours to be arranged.

PhP 507. Seminar in Current Problems. Terms and hours to be arranged. Conducted jointly with Phr 507 and PhA 507. See Phr 507.

School of Physical Education

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education; President of the State College.

*ARNOLD BENNETT HALL, J.D., LL.D., President of the University.

JOHN FREEMAN BOVARD, Ph.D., Dean and Director of Physical Education.

EARL MANLEY PALLETT, Ph.D., Executive Secretary and Registrar of the University.

WILLIAM ARTHUR JENSEN, M.S., Executive Secretary of the State College.

ERWIN BERTRAN LEMON, B.S., Registrar of the State College.

Physical Education for Women

EUGENE

FLORENCE DELIA ALDEN, M.A., Professor and Director of Physical Education for Women.

HARRIET WATERBURY THOMSON, A.B., Professor of Physical Education for Women.

JANET GRANT WOODRUFF, M.A., Assistant Professor of Physical Education for Women.

MARGARET MAY DUNCAN, B.S., Instructor in Physical Education for Women.

MARY JOYCE IVENS, B.S., Instructor in Physical Education for Women.

RUTH BLOOMER, B.S., Instructor in Physical Education for Women.

CORVALLIS

LAURA CORNELIA MCALLESTER, B.S., Instructor in Physical Education for Women; Chairman of Department.

†RENA HEAGEN, C.P.H., Assistant Professor of Hygiene.

BETTY LYND THOMPSON, M.A., Assistant Professor of Physical Education for Women.

NATALIE REICHART, M.A., Instructor in Physical Education for Women.

ELSIE JACOBSEN, B.S., Instructor in Physical Education for Women.

JEANETTE ALICE BRAUNS, B.S., Instructor in Physical Education for Women.

Physical Education for Men

EUGENE

PAUL RUDOLPH WASHKE, A.M., Professor and Director of Physical Education.

WILLIAM LOUIS HAYWARD, Professor of Physical Education; Coach of Track Athletics.

ERNESTO RAY KNOLLIN, M.A., Associate Professor of Physical Education.

*On leave of absence.

†Will give instruction at both Eugene and Corvallis.

WILLIAM J. REINHART, Instructor in Physical Education; Coach of Basketball and Baseball.

PRINCE GARRY CALLISON, B.B.A., Instructor in Physical Education; Head Football Coach.

ALFRED EUGENE SHIELDS, B.S., Instructor in Physical Education; Assistant Athletic Coach.

EARL EUGENE BOUSHEY, Ed.B., Instructor in Physical Education.

RUSSELL KELSEY CUTLER, Ed.B., Instructor in Physical Education.

*JOHN JOSEPH O'BRIEN, B.S., Assistant Football Coach; Freshman Basketball and Baseball Coach.

HOWARD HOYMAN, M.A., Instructor in Physical Education.

CORVALLIS

†CLAIR VAN NORMAN LANGTON, D.P.H., Professor and Director of Physical Education.

PAUL JOHN SCHISSLER, JR., Director of Intercollegiate Athletics; Head Coach of Football.

RALPH ORVAL COLEMAN, M.A., Professor of Physical Education.

†MELVIN PRICE ISAMINGER, D.P.H., Professor of Hygiene.

OTTO CHRISTIAN MAUTHE, Assistant Professor of Physical Education.

GRANT ALEXANDER SWAN, B.S., Assistant Professor of Physical Education.

JACK ERNEST HEWITT, M.A., Assistant Professor of Physical Education.

AMORY TINGLE GILL, B.S., Instructor in Physical Education and Coach of Basketball and Baseball.

JAMES VICTOR DIXON, B.S., Instructor in Physical Education and Assistant Coach.

ALONZO L. STINER, B.S., Instructor in Physical Education; Track Coach and Assistant Football Coach.

ROY LAMB, B.S., Instructor in Physical Education; Assistant Coach.

ALL of the work in the physical education field offered on both the Eugene and the Corvallis campuses is included in the School of Physical Education. On the Eugene campus are offered the full four-year curriculum and graduate courses for those intending to make physical education their profession, a minor norm designed for part-time physical education teachers and coaches, and service courses for all lower division students. On the Corvallis campus are offered the first two years of the major curriculum, the minor norm, and the service courses.

Service Courses. The departments of the School of Physical Education supply service courses for men and women on both campuses. Physical education is required of all students during the first two years of residence. Every entering freshman is given a medical examination by the Health Service in order that the program may be adapted to the individual needs of the student.

*Resigned, December, 1932.

†Will give instruction at both Eugene and Corvallis.

Professional Curriculum and Degrees. Courses of study in which all departments cooperate are shown on another page. These curricula are intended as the foundation training for those who wish to specialize in the various fields of physical education.

The first two years of the major curricula may be taken on either campus, but the upper division major work leading to the bachelor's degree is offered only at Eugene. The courses in the School of Physical Education are so arranged that the student may fulfill all the general university requirements and may obtain either the B.A. or the B.S. degree.

Minor Norm. Such courses as are necessary for the preparation of part-time physical education teachers and coaches in the high schools of the state are offered at both Eugene and Corvallis and are so organized as to meet the teacher's certification requirements.

Graduate Work. Graduate curricula leading to advanced degrees for those who wish to prepare themselves more thoroughly for physical education as a profession are offered at Eugene. The degree of Master of Arts or Master of Science is open to those who have a bachelor's degree from this institution or any other of approved standing. Graduates from other institutions who wish to enter the graduate courses in the School of Physical Education should present as prerequisite the equivalent of the required curriculum in this School.

Some of the positions offering opportunities for service in physical education are high school directors, city supervisors, community and playground managers, directors of restricted and corrective work, college and university instructors and directors, and coaches of major and minor sports.

Intramural Sports. Intramural sports are conducted by the departments of Physical Education on both the Eugene and the Corvallis campuses. The departments for women have charge of all women's athletics, and offer for the students a wide program of activities. The departments for men carry extensive organized intramural sports programs which are separate and apart from intercollegiate athletics.

The function of intramural programs is to give every student the moral, social, physical, and educational values of competitive sports. Competition is organized between living organizations, clubs, individuals, classes and institutional departments. The program of sports provides for both individual and team-endeavor. "Athletics for all" is the purpose of intramural sports promotion.

Women's Athletic Associations. Each campus has a Women's Athletic Association to which any girl may win membership. The Association as an integral factor in the development of the extra-curricular program offers a field for the development of student leadership. It furnishes student managers for all athletics, stimulates and regulates participation, thus helping to maintain the policies and principles of the department. Through its membership in the Athletic Conference of American College Women, it correlates its program with a nation-wide student effort to maintain women's athletics on a high educational level.

Health Service. The health service at both Eugene and Corvallis provides medical examinations for all entering students and advises with the Physical Education departments in the proper assignment of students to their activities in accord with their physical needs.

Fees. The fees paid by every student at each institution cover the use of pool and baths, locker, swimming suit, towels, bandages and perishable supplies. Every student has a basket or locker in the gymnasium for his or her exclusive use and is urged to use the gymnasium facilities to the utmost.

At Eugene.

Men: The department of physical education for men will issue to the student a complete gymnasium uniform, with the exception of shoes, which the student must purchase for himself.

Women: The department of physical education for women will issue to the student a complete gymnasium uniform with the exception of shoes and stockings, which the student must purchase for herself.

At Corvallis.

The costume needed for participation in the various activities of the department depends upon the program of the student. Since a regulation costume for the various activities must be worn, nothing should be purchased before coming to the College.

Teacher's Certificates. Those students who complete the major curriculum in physical education will have satisfied the requirements for a state teacher's certificate entitling the holder to teach in the schools of Oregon and other states. Students who are not majoring in physical education may obtain recommendations from the School of Physical Education as part-time teachers or coaches of sports, provided they satisfactorily complete the minor norm in physical education. (See School of Education.)

Required Courses. Courses PE 114, 115, 116, PE 214, 215, 216 (or PE 117, 118, 119, PE 217, 218, 219) for women, and PE 151, 152, 153, PE 251, 252, 253 (or PE 157, 158, 159, PE 257, 258, 259) for men, are required of all undergraduates. The courses are so arranged that this requirement is completed by the end of the sophomore year. To obtain the Junior Certificate six terms of physical education must have been passed satisfactorily. Failures, incompletes, and withdrawals delay the granting of junior standing.

All work is given in regular supervised classes. The work done for credit is not merely exercise or recreation, but is given from the standpoint of instruction. Ample opportunity for exercise and recreation has been made and all of the facilities of the department are at the student's disposal outside the regular class hours.

The physical activity courses for students taking a major or a minor in physical education (PE 124-126, 224-226, for women; PE 174-176, 274-276, for men) may be considered as fulfilling the physical education requirement.

Nursing Education. The University of Oregon Medical School offers a five-year curriculum in nursing leading to the degree of Bachelor of Science and preparing the student for nursing registration. The first two years are given in the School of Physical Education on the campus at

Corvallis. The remaining three years are given in the Medical School in Portland. The work consists of two years in a hospital school of nursing with a fifth year as an elective in public health nursing, hospital administration, or some other type of nursing education. The curricula in Nursing are printed under School of Medicine (pages 514-516).

Curricula in Physical Education

B.A., B.S., M.A., M.S. Degrees

DEGREE CURRICULUM IN PHYSICAL EDUCATION FOR MEN

LOWER DIVISION AT EUGENE AND CORVALLIS

	Freshman Year		
	1st	2d	3d
Introduction to Physical Education (PE 121, 122, 123).....	2	2	2
Physical Activities for Beginning Majors and Minors (PE 174, 175, 176).....	2	2	2
Animal Biology (Z 101, 102, 103).....	3	3	3
Elementary General Chemistry (Ch 201, 202, 203).....	4	4	4
English Composition (Eng 111, 112, 113).....	2-3	2-3	2-3
Military Science and Tactics.....	1	1	1
Electives.....	2	2	2
	16-17	16-17	16-17

Sophomore Year

Fundamentals of Physical Education (PE 221, 222, 223).....	2	2	2
Second Year Physical Activities for Majors and Minors (PE 274, 275, 276).....	2	2	2
Biology of the Vertebrates (Z 201, 202).....	4	4	.....
Body Mechanics (PE 277).....	.....	.....	3
English Survey (Eng 101, 102, 103).....	3-4	3-4	3-4
Elements of Psychology (Psy 201, 202, 203).....	3	3	3
Military Science and Tactics.....	1	1	1
	15-16	15-16	14-15

UPPER DIVISION AT EUGENE

Junior Year

Physical Activities for Junior Majors (PE 374, 375, 376).....	2	2	2
Teaching of Physical Education (PE 394, 395, 396).....	1	1	1
Playground and Community Recreation (PE 351, 352, 353).....	2	2	2
Elementary Human Physiology (Z 211, 212).....	3	3	.....
Theory and Practice of Restricted and Corrective Gymnastics (PE 311, 312, 313).....	2	2	2
Educational Psychology (Ed 312).....	.....	3	.....
Secondary Education (Ed 311).....	.....	.....	3
Principles of Teaching (Ed 313).....	3	.....	.....
Coaching of Track and Field (PE 349).....	.....	.....	2
Electives.....	3	3	3
	16	16	15

Senior Year

Physical Activities for Senior Majors (PE 474, 475, 476).....	2	2	2
Teaching of Physical Education (PE 494, 495, 496).....	1	1	1
Principles of Physical Education (PE 471, 472, 473).....	3	3	3
Supervised Teaching (Ed 315).....	2	2	2
Thesis (PE 403).....	1	1	1
Coaching of Basketball (PE 346).....	2	.....	.....
Coaching of Baseball (PE 348).....	.....	.....	2
Coaching of Football (PE 347).....	.....	2	.....
Playground Laboratory (PE 454).....	1	.....	.....
Electives.....	4	6	5
	16	17	16

DEGREE CURRICULUM IN PHYSICAL EDUCATION FOR WOMEN

LOWER DIVISION AT EUGENE AND CORVALLIS

	Term hours		
	1st	2d	3d
Introduction to Physical Education (PE 121, 122, 123).....	2	2	2
Physical Activities for Beginning Majors and Minors (PE 124, 125, 126)	2	2	2
Animal Biology (Z 101, 102, 103).....	3	3	3
Elementary General Chemistry (Ch 201, 202, 203).....	4	4	4
English Composition (Eng 111, 112, 113).....	2-3	2-3	2-3
General Hygiene (PE 111, 112, 113).....	1	1	1
Electives	2	2	2
	16-17	16-17	16-17

Sophomore Year

Fundamentals of Physical Education (PE 221, 222, 223).....	2	2	2
Second Year Physical Activities for Majors and Minors (PE 224, 225, 226)	2	2	2
Biology of the Vertebrates (Z 201, 202).....	4	4	.....
Body Mechanics (PE 277).....	.....	.....	3
English Survey (Eng 101, 102, 103).....	3-4	3-4	3-4
Elements of Psychology (Psy 201, 202, 203).....	3	3	3
Electives	1	1	2
	15-16	15-16	15-16

UPPER DIVISION AT EUGENE

Junior Year

Physical Activities for Junior Majors (PE 324, 325, 326).....	2	2	2
Technique of Teaching Physical Education (PE 314, 315, 316).....	2	2	2
Playground and Community Recreation (PE 351, 352, 353).....	2	2	2
Elementary Human Physiology (Z 211, 212).....	3	3	.....
Principles of Teaching (Ed 313).....	3	.....	.....
Theory and Practice of Restricted and Corrective Gymnastics (PE 311, 312, 313).....	2	2	2
Educational Psychology (Ed 312).....	.....	3	.....
Problems of Secondary Education (Ed 311).....	.....	.....	3
Electives	2	2	5
	16	16	16

Senior Year

Physical Education for Senior Majors (PE 424, 425, 426).....	1	1	1
Principles of Physical Education (PE 441, 442, 443).....	3	3	3
Thesis (PE 403)	1	1	1
Supervised Teaching (Ed 315).....	2	2	2
Playground Laboratory (PE 454).....	1	.....	.....
Electives	8	9	9
	16	16	16

NORMS IN PHYSICAL EDUCATION FOR MEN

MAJOR NORM

Introduction to Physical Education (PE 121, 122, 123).....	2	2	2
Physical Activities for Beginning Majors (PE 174, 175, 176).....	2	2	2
Fundamentals of Physical Education (PE 221, 222, 223).....	2	2	2
Second Year Physical Activities for Majors and Minors (PE 274, 275, 276)	2	2	2
Principles of Physical Education (PE 471, 472, 473).....	3	3	3
One course selected from this group:			
Coaching of Football (PE 347).....	.....	2	.....
Coaching of Basketball (PE 346).....	2	.....	.....
Coaching of Baseball (PE 348).....	.....	.....	2
Coaching of Track and Field (PE 349).....	.....	.....	2
Participating in at least three sports under supervision (no credit)			
Teaching (8 hours).....	.....	.....	.....
	13	13	13-15

MINOR NORM

Upon the completion of these courses the student may be recommended for part-time teaching or coaching in the high schools of the state.

	Term hours—		
	1st	2d	3d
Introduction to Physical Education (PE 121, 122, 123).....	2	2	2
Physical Activities for Beginning Majors and Minors (PE 174, 175, 176).....	2	2	2
Second Year Physical Activities for Majors and Minors (PE 274, 275, 276).....	2	2	2
Three courses selected from this group:			
Coaching of Basketball (PE 346).....	2	.....	.....
Coaching of Football (PE 347).....	.....	2	.....
Coaching of Baseball (PE 348).....	.....	.....	2
Coaching of Track and Field (PE 349).....	.....	.....	2
Teaching (8 hours).....	.....	.....	.....
	8	8	8-10

NORMS IN PHYSICAL EDUCATION FOR WOMEN

MAJOR NORM

Introduction to Physical Education (PE 121, 122, 123).....	2	2	2
Physical Activities for Beginning Majors and Minors (PE 124, 125, 126).....	1	2	2
Second Year Physical Activities for Majors and Minors (PE 224, 225, 226).....	2	2	2
Technique of Teaching Physical Education (PE 314, 315, 316).....	2	2	2
Principles of Physical Education (PE 441, 442, 443).....	3	3	3
Playground and Community Recreation (PE 351, 352, 353).....	2	2	2
Playground Laboratory (PE 454).....	.....	1	.....
	12	14	13

MINOR NORM

Upon the completion of these courses the student may be recommended for part-time teaching of physical education in the high schools of the state.

Introduction to Physical Education (PE 121, 122, 123).....	2	2	2
Physical Activities for Beginning Majors and Minors (PE 124, 125, 126).....	2	2	2
Second Year Physical Activities for Majors and Minors (PE 224, 225, 226).....	2	2	2
Technique of Teaching Physical Education (PE 314, 315, 316).....	2	2	2
Teaching.....	.....	.....	.....
	8	8	8

Description of Courses

AT EUGENE AND CORVALLIS

SERVICE COURSES FOR WOMEN

LOWER DIVISION COURSES

PE 111, 112, 113. **General Hygiene.** Three terms, 1 hour each term.

The principles and practices of health promotion, individual and physiologic hygiene, disease prevention and control, community hygiene and public health. Lectures, recitations, and demonstrations concerning phases of health which should be understood by all college students. Required of all freshmen. Three periods.

¹Teaching: Teaching in physical education may be applied as part of the Supervised Teaching (Ed 315) requirement upon the joint recommendation of the schools of Education and Physical Education.

PE 114, 115, 116. **Elementary Physical Education.** Three terms, 1 hour each term.

Required of all freshmen except those assigned to restricted work (courses PE 117, 118, 119) as a result of the physical and medical examination. Three periods.

PE 117, 118, 119. **Restricted and Corrective Gymnastics.** Three terms, 1 hour each term.

For students with temporary or permanent physical handicap referred by the Health Service, or by their family physicians. Freshmen, referred to this course, substitute it for course PE 114, 115, 116. Three periods.

PE 131. **Social Ethics.** One term, no credit.

The purpose of this course is three-fold. It brings new students into early contact with their dean of women. It gives the dean of women the opportunity of instructing new students in the fundamental principles of conduct both on the campus and elsewhere, and brings them a vision of woman's position and responsibility in the economic, social, and spiritual life of today. Required of all freshman women. Corvallis campus only. One period.

PE 214, 215, 216. **Advanced Physical Education.** Three terms, 1 hour each term.

Continuation of PE 114, 115, 116. Required of all sophomores except those assigned to restricted work (courses PE 217, 218, 219). Three periods.

PE 217, 218, 219. **Restricted and Corrected Gymnastics.** Three terms, 1 hour each term.

A continuation of PE 117, 118, 119. For sophomores. Three periods.

SERVICE COURSES FOR MEN

LOWER DIVISION COURSES

PE 151, 152, 153. **General Hygiene and Physical Education.** Three terms, 1 hour each term.

One lecture and two physical education periods each week. Required during the freshman year.

PE 157, 158, 159. **Restricted Physical Education.** Three terms, 1 hour each term.

Special programs set up for freshmen not adapted to the heavier regular classwork. Students are given individual attention and assigned to modified and corrective programs suited to their needs. This course is substituted for PE 151, 152, 153; students must, however, take the course in General Hygiene. Three periods.

PE 251, 252, 253. **Advanced Physical Education.** Three terms, 1 hour each term.

Required of sophomores. Three periods.

PE 257, 258, 259. **Restricted Physical Education.** Three terms, 1 hour each term.

A continuation of PE 157, 158, 159. For sophomores. Substitute for PE 251, 252, 253. Three periods.

PROFESSIONAL PHYSICAL EDUCATION COURSES

LOWER DIVISION COURSES

PE 121, 122, 123. **Introduction to Physical Education.** Three terms, 2 hours each term.

Required of all majors in the freshman year and minors at both Eugene and Corvallis. This course introduces the student to the modern developments of physical education in relation to general education. The first term deals with the general aims and objectives, the second term with the history of physical education and the third term with the practical considerations, program, physical plant and personnel. Two periods.

PE 124, 125, 126. **Physical Activities for Beginning Majors and Minors.** Three terms, 2 hours each term.

Required of all women majors in the freshman year and all women minors. This course deals with intensive instruction in all the various activities which go to make up the physical education program. Five periods.

PE 174, 175, 176. **Physical Activities for Beginning Majors and Minors.** Three terms, 2 hours each term.

Required of all men majors in the freshman year and minors previous to the senior year at both Eugene and Corvallis. This course offers intensive instruction for acquiring those skills and accomplishments which comprise an educationally sound physical activities program for a school. Six periods.

PE 221, 222, 223. **Fundamentals of Physical Education.** Three terms, 2 hours each term.

Required of all majors in the sophomore year. The first term is devoted to a study of general and community hygiene, the second term to human anatomy with special reference to physical education, and the third term to subject-matter and methods in teaching health education. Two periods.

PE 224, 225, 226. **Second Year Physical Activities for Majors and Minors.** Three terms, 2 hours each term.

Required of all sophomore women majors and all women minors. A continuation of PE 124, 125, 126. Five periods.

PE 274, 275, 276. **Second Year Physical Activities for Majors and Minors.** Three terms, 2 hours each term.

Required of all sophomore majors (men) and all minors at both institutions. Continuation of the activity program begun in PE 174, 175, 176. Six periods.

PE 277. **Body Mechanics.** Third term, 3 hours.

For all majors in the sophomore year. The analysis of gymnastics, athletic and occupational movements from the standpoint of their motor mechanism. Three periods.

UPPER DIVISION COURSES

PE 314, 315, 316. **Technique of Teaching Physical Education.** Three terms, 2 hours each term.

Required of all women majors during the junior year. Technique of teaching gymnastics, rhythm training and sports. Three periods.

PE 346. **Coaching of Basketball.** First term, 2 hours.

The coaching and training of basketball teams beginning with fundamentals, passing, dribbling, and pivoting with emphasis on the psychology of the game; various methods of defense and offense. Two periods.

PE 347. **Coaching of Football.** Second term, 2 hours.

Fundamentals of football, theory and practice, details of each position on the team, training and managing, complete technique of developing offensive and defensive tactics, a comparison of the various systems in American intercollegiate football. Two periods.

PE 348. **Coaching of Baseball.** Third term, 2 hours.

The technique of batting, pitching, baseball strategy and how to play various positions; promoting the game; making schedules, points of inside baseball; care and construction of the field, baseball management. Two periods.

PE 349. **Coaching of Track and Field.** Third term, 2 hours.

How to train for various track and field events; their form and technique; conduct of athletic meets; construction, use, and assembling of all equipment used by the participants on the field; development of certain types of individuals for certain events. Two periods.

PE 358. **First Aid.** Third term, 2 hours.

Elective for physical education majors and minors. Service course for other departments. The emergency treatment of all classes of injuries (until the doctor comes). A standard course in first aid with emphasis upon the practical use of the knowledge as applied to everyday life in varying occupations. Red Cross certificates are given. Two periods.

PE 359. **Athletic Training and Conditioning.** First term, 2 hours.

Elective for physical education majors and minors. A study, from both practical and theoretical aspects, of massage, bandaging, treatment of sprains, bruises, strains and wounds; diet and conditioning of athletes. Lectures, demonstrations and practice. Two periods.

PE 461. (Ed 461). **School Hygiene.** Third term, 2 hours.

A course in the health provisions requisite for the hygienic conduct of education. Oregon laws, regulations of the State Board of

Health, and other state and local authorities explained in detail. Prerequisites: Ed 416; also one or more courses each in biologic and physical science. Two periods.

PE 462. (Ed 462). **School Sanitation.** Second term, 2 hours.

General sanitation of school yard and arrangement of buildings; toilet; plumbing; water supply; heat; light; ventilation; seats; blackboards and cleanliness. Two periods.

UPPER DIVISION AND GRADUATE COURSES AT EUGENE ONLY

UPPER DIVISION COURSES

PE 305. **Honors Reading.** Any term, 3 to 12 hours.

A course in extensive and intensive reading for honors candidates, arranged for the individual student. Junior year.

PE 311, 312, 313. **Theory and Practice of Restricted and Corrective Gymnastics.** Three terms, 2 hours each term.

Required of all majors in junior year. Lectures, assigned reading, practice in orthopedic examination, recognition of physical disabilities coming within the scope of the physical educator, developing programs, and practice in teaching restricted classes and individual corrective exercises. Prerequisites: body mechanics and physiology. Four periods.

PE 324, 325, 326. **Physical Activities for Junior Majors.** Three terms, 2 hours each term.

(Women.) Required of women majors in the junior year. A continuation of PE 224, 225, 226. Special emphasis on rhythmic; the analysis of music, expression, design. Five periods.

PE 351, 352, 353. **Playground and Community Recreation.** Three terms, 2 hours each term.

Required of all majors in the junior year. Nature and function of play, age periods, adaptation of activities, program making, playground development, construction, management, supervision. Laboratory period in activities for all ages, handicraft, nature work, music, self-testing activities, materials and methods for indoor as well as outdoor programs. To be followed by Playground Laboratory course PE 454 in the senior year. Prerequisites: Psy 201, 202, 203. Three periods.

PE 374, 375, 376. **Physical Activities for Junior Majors.** Three terms, 2 hours each term.

(Men.) Required of all men majors in the junior year. Continuation of PE 274, 275, 276. Six periods.

PE 394, 395, 396. **Teaching of Physical Education.** Three terms, 1 hour each term.

Required of all men majors in the junior year. In this course the student is required to devote three hours each week to the teaching

of physical activities in the regular physical education classes of the University. Three periods.

NOTE: All major students are required in the junior year to take Z 211, 212, in which are taught fundamental principles underlying the physiology of the muscle and nerve with special application to physical activities.

PE 403. **Thesis.** Terms and hours to be arranged.

All major students will be expected to write during the senior year a thesis based on their own investigation. Subjects to be chosen after consultation with heads of departments. Credit to be based on quality of work done.

PE 405. **Honors Reading.** Any term, 3 to 12 hours.

Same as PE 305. Senior year. Periods as arranged.

PE 411, 412, 413. **Elementary Physical Therapy.** Three terms, 3 hours each term.

Lectures, assigned readings and problems in physical correction through heat, massage and exercise. Introductory studies in electro, light and hydrotherapy. Elective for majors in the senior year. Prerequisites: PE 311, 312, 313. Five periods.

PE 424, 425, 426. **Physical Education for Senior Majors.** Three terms, 1 hour each term.

(Women). Required of all women senior majors. A continuation of PE 324, 325, 326. Three periods.

PE 431, 432, 433. **Theory and Practice of the Dance.** Three terms, 2 hours each term.

Elective for senior women. Prerequisite: one year of elementary dancing. Four periods.

PE 441, 442, 443. **Principles of Physical Education.** Three terms, 3 hours each term.

(Women). Required of women majors in the senior year. The aims and functions of physical education; its place in the scheme of general education. A study of tests and measurements applied to the field of physical education. Administration of physical education including organization of departments and programs; routine administration and problems of supervision. Three periods.

PE 454. **Playground Laboratory.** Any term, 1 hour.

Practical laboratory period in playground management, required to complete PE 351, 352, 353. Practical handling of playground, under supervision. Prerequisites: PE 351, 352, 353. Two periods.

PE 471, 472, 473. **Principles of Physical Education.** Three terms, 3 hours each term.

(Men). Required of all men majors in the senior year. The first term deals with the philosophy and general principles fundamental to the programs and practical functions; the second term deals with tests and measurements in physical education; and the third term with administration and organization of physical education which interpret the principles. Three periods.

PE 474, 475, 476. **Physical Activities for Senior Majors.** Three terms, 2 hours each term.

(Men). Required of all men majors in the senior year. Continuation of PE 374, 375, 376. Six periods.

PE 494, 495, 496. **Teaching of Physical Education.** Three terms, 1 hour each term.

Required of all men majors in the senior year. The student is required to devote three hours each week to the teaching of physical activities in the regular physical education classes of the University, or to coach athletic sports in the intramural or intercollegiate athletic program. Three periods.

GRADUATE COURSES

PE 501. **Research in Physiology.** Terms and hours to be arranged.

Specially qualified students may arrange to take problems concerned with muscle and nerve physiology.

PE 503. **Thesis.** Terms and hours to be arranged.

A research problem in the field of physical education suitable as a partial fulfillment of the requirement for the master's degree.

PE 507. **Seminar.** Three terms, hours to be arranged.

Open only to qualified students on consent of dean of school.

PE 511, 512, 513. **Corrective Gymnastic Studies.** Three terms, hours to be arranged.

Specially qualified students wishing to investigate a particular problem in this field may arrange for it on consent of the instructor.

PE 521, 522, 523. **Physiological Problems.** Three terms, hours to be arranged.

An advanced course in physiology covering the physiology of muscle and nerve activities with applications to exercise, industrial fatigue problems, massage and corrective gymnastics.

PE 561, 562, 563. **Physical Therapy Studies.** Three terms, hours to be arranged.

Lectures, assigned topics with reports and discussion. Clinic assignments comprising diagnostic studies, development and carrying out of various physical therapy treatment programs. Lectures and laboratory periods.

Military Science and Tactics

RESERVE Officers' Training Corps units are maintained at Corvallis, Eugene, and Portland. The instruction in military science and tactics at Portland serves as a corollary to other subjects taught in the Medical School with particular stress on the organization, administration, and functions of the medical department of the Army. The R.O.T.C. work at Portland is described under School of Medicine.

At Corvallis

COLONEL WILLIAM HENRY PATTERSON, Infantry (D.O.L.); Graduate Command and General Staff School. Commandant of Cadets, Reserve Officers' Training Corps; Professor of Military Science and Tactics.

MAJOR FREEMAN WATE BOWLEY, Field Artillery (D.O.L.); Graduate United States Military Academy; Graduate Advanced Course, Field Artillery School; Graduate Command and General Staff School. Associate Professor of Military Science and Tactics. Executive officer of Field Artillery Unit, Reserve Officers' Training Corps.

MAJOR JACOB J. GERHARDT, Infantry (D.O.L.); Graduate United States Military Academy; Graduate Infantry School Officers' course; Graduate Command and General Staff School. Associate Professor of Military Science and Tactics. Executive officer of Infantry Unit, Reserve Officers' Training Corps.

MAJOR H. B. DIXON, Assistant to Military Property Custodian.

MAJOR PAUL W. MAPES, Infantry, (D.O.L.); Graduate Infantry School, Advanced Course; Assistant Professor of Military Science and Tactics; Instructor in Infantry Unit, Reserve Officers' Training Corps.

CAPTAIN NORMAN JOHN MCMAHON, Field Artillery (D.O.L.); Graduate Basic course, field Artillery School and Graduate Troop Officers' course, Cavalry School. Assistant Professor of Military Science and Tactics. Instructor in Field Artillery Unit, Reserve Unit, Reserve Officers' Training Corps.

FIRST LIEUTENANT LEWIS T. ROSS, C.E., D.O.L.; Graduate United States Military Academy; Graduate Engineer School, Civil Engineering Course; Graduate Engineer School, Basic Course; Associate Professor of Military Science and Tactics; Executive Officer of Engineer Unit, Reserve Officers' Training Corps.

FIRST LIEUTENANT GEORGE ALFRED ARNOLD JONES, Field Artillery (D.O.L.); Graduate Battery Officers' course; Field Artillery School; Graduate Chemical Warfare School. Assistant Professor of Military Science and Tactics. Instructor in Field Artillery Unit, Reserve Officers' Training Corps.

FIRST LIEUTENANT FRANCIS A. GARRECHT, JR., F.A., (D.O.L.); Graduate United States Military Academy; Graduate Battery Officers' Course, Field Artillery School; Assistant Professor of Military Science and Tactics; Instructor in Field Artillery Unit, Reserve Officers' Training Corps.

MASTER SERGEANT JOHN HARSCH, JR., (D.E.M.L.), United States Army. Assistant to Professor of Military Science and Tactics. Instructor in Field Artillery Unit, Reserve Officers' Training Corps.

SERGEANT CLARENCE CALVIN WOODBURY (D.E.M.L.), United States Army Captain, Infantry Section, Officers' Reserve Corps. Assistant to Professor of Military Science and Tactics. Instructor in Infantry Unit, Reserve Officers' Training Corps.

SERGEANT JOHN CARSON WOODBURY (D.E.M.L.), United States Army, Sergeant-Major, Reserve Officers' Training Corps. Assistant to Professor of Military Science and Tactics.

SERGEANT LAURENCE EDWIN DARLINGTON (D.E.M.L.), Captain, Quartermaster Section, Officers' Reserve Corps. Assistant to Professor of Military Science and Tactics. Instructor in Engineer Unit, Reserve Officers' Training Corps.

SERGEANT LUTHER LAFAYETTE WADE (D.E.M.L.), United States Army. Assistant to Professor of Military Science and Tactics. Instructor in Rifle Marksmanship, Reserve Officers' Training Corps.

SERGEANT EDWARD H. COMBS, Stable Sergeant, Military Stables; Assistant Instructor in Equitation.

SERGEANT EDWARD H. COMBS, Military Stables.

AN Act of the United States Congress establishing the Land-Grant colleges was passed in the midst of the Civil War; it inaugurated the cadet corps and provided for military training of all able-bodied male students. The object of this provision was to assure well-trained officers for citizen soldiers. The Act was supplemented on June 3, 1916, by another Act of Congress, since amended, establishing the Reserve Officers' Training Corps. The object of the Corps is "to qualify students, by systematic and standard training methods, to be commissioned in the Officers' Reserve Corps so that in time of national emergency, trained men, graduates of colleges and universities may lead the units of the large armies on which the safety of the country will depend."

R. O. T. C. Basic and Advanced Courses. In the fall of 1917 the War Department established at Oregon State Agricultural College both a Basic Course and an Advanced Course, Senior Division, in the Reserve Officers' Training Corps. The Basic Course covers the first two years of the college military training, enrolling physically fit men of the freshman and sophomore years except those who may be excused by the proper College authorities. The Advanced Course comprises the third and fourth years of college military training, enrolling those men who have completed the

Basic Course and who have shown proper interest and aptitude for the training and who are specially selected for further training in advanced work. Once enrolled in the Advanced Course, students are required to carry it to completion as a prerequisite to graduation from this College.

Three Branches of Training. Three branches of military training are offered at the College to qualified students of the Reserve Officers' Training Corps: Infantry, Field Artillery, and Engineers. An excellent R. O. T. C. cadet band affords instruction in band practice.

Uniforms Provided by the Government. All Basic Course members of R. O. T. C. units at this institution are provided by the United States Government with military uniforms. This uniform is returned by the student at the end of each year or upon withdrawal.

The Advanced Course members are provided with tailored serge uniforms, toward which they pay a part of the cost during the junior year. These uniforms are not turned back to the Government, and students who continue the R. O. T. C. training in the senior year are reimbursed for that part of the cost which they have paid, so that on completion of the senior year the student has received the uniform without cost to himself.

Commutation of Subsistence. Students selected for the Advanced Course (junior and senior years) of the R. O. T. C. are paid commutation of subsistence by the Government throughout the entire period during which they are pursuing the Advanced Course.

Benefits to Student. The training afforded through the Reserve Officers' Training Corps is regarded as of great value to the student pursuing it.

(a) It prepares him for places of responsibility and leadership in professional and business life.

(b) The training makes for alertness, coordination, and good health.

(c) It teaches cooperation, loyalty, team work, management of men, honor, courage, self-respect, respect for others, sacrifice, duty, love of country; emphasizes citizenship; develops concentration and the power of observation; builds character and inculcates high standards of personal honor and patriotism. It also teaches good order, neatness, and truthfulness.

(d) It provides a means of applying the lessons learned in this and other departments of the College.

(e) It is an integral and valuable element in the plan of technical education.

(f) It gives a military education which will fit the student to render efficient service to the nation in time of emergency.

(g) Upon successfully completing the course, each student is given a commission as Second Lieutenant in the Officers' Reserve Corps.

(h) It provides a maximum of twenty-nine (29) term-hours which count toward a degree.

(i) It provides attendance at summer R.O.T.C. camps, at which the student's expenses are paid, he receives a monetary per diem allowance, is furnished a complete uniform, board, lodging, medical attention, and emergency dental treatment, and is provided with recreational amusements and diversions. Attendance at such a camp is required at the end of the junior year. For cogent reasons attendance may be deferred until the end of the senior year.

(j) There is an allowance of rifle and pistol ammunition for target practice, with expert instructors, and the use of rifles and target equipment.

(k) More than \$350,000 worth of the best up-to-date equipment is issued by the Government for the use of the R.O.T.C.

Requirements. In the Basic Course freshmen are required to take four hours of military instruction a week for two terms and three hours a week for one term. Sophomores are required to take four hours a week throughout the year. Juniors and seniors in the Advanced Course are required to take five hours of military instruction a week throughout the year.

Military Credits for Graduation. A minimum of 6 term hours in Military Science is required for graduation. This comprises 3 hours for the first year and 3 hours for the second year of the basic work. Nine hours are given for the work of each of the junior and senior years. This makes a total of 24 credits for the entire R. O. T. C. work.

Cadet Officers. The cadet officers are selected at the beginning of each college year from the senior class; sergeants and higher non-commissioned officers from the junior class; corporals from the sophomore class.

Equipment. The military equipment is furnished by the War Department; The Armory by the State.

Military Fraternity. A chapter of the national military fraternity "Scabbard and Blade," was installed on the campus during the spring of 1920. Membership is limited to those cadet officers who have exhibited unusually fine qualities of leadership, including high ideals and gentlemanly conduct, and whose scholarship is above average.

DESCRIPTION OF COURSES

Infantry.

LOWER DIVISION COURSES

First Year Basic Course (MS 111, 112, 113). Three terms, 1 hour each term.

Freshman year. This course aims to instruct the student in basic Infantry subjects; to inculcate obedience, decorum, cheerfulness esprit, and other elements of good discipline with the corresponding physical development; and to lay a sound foundation for the further pursuit of military studies. Instruction includes training of the rifleman, infantry drill, simple combat principles, technique of the rifle and care of equipment; marksmanship; military courtesies; and interior guard duty. Three periods.

Second Year Basic Course (MS 211, 212, 213). Three terms, 1 hour each term.

Sophomore year. This course aims to give students further training in basic Infantry subjects; to inculcate leadership; to build on the knowledge they have already acquired and prepare them to take up the Advanced Course. Instruction includes training of the automatic rifleman, scouting and patrolling, and squad leader. Additional subjects lead to qualification for entrance to the Advanced Course: Command and Leadership; combat principles to develop ability as a leader of a patrol, musketry, and interior guard duty. Three periods.

UPPER DIVISION COURSES

First Year Advanced Course (MS 311, 312, 313). Three terms, 3 hours each term.

Junior year. Aims to give further training in basic Infantry subjects and in leadership, as the ground work for the duties of Junior officers of Infantry; to develop tactical judgment; to prepare the student for practical training while attending R. O. T. C. summer camp. The course includes map reading and military sketching; drill and command; machine guns; Howitzer weapons; and combat principles of the Rifle Section and Platoon. Five periods.

Second Year Advanced Course (MS 411, 412, 413). Three terms, 3 hours each term.

Senior year. This course aims to complete the preparation of the student for commission as a second lieutenant of Infantry in the Officers Reserve Corps of the United States Army. Scope of instruction: drill and command; combat principles of the Rifle and Machine Gun Company and Howitzer Platoon; Field Engineering; administration; military law and Officers' Reserve Corps regulations; military history and policy. Five periods.

Field Artillery.

LOWER DIVISION COURSES

First Year Basic Course (MS 121, 122, 123). Three terms, 1 hour each term.

Freshman year. The aim of this course is to instruct the student in the duties of a cannoneer of Field Artillery. Dismounted drill; military courtesy and discipline; drill of the firing battery; care and use of the pistol; gunners' examination; ordnance and matériel; equitation. Three periods.

Second Year Basic Course (MS 221, 222, 223). Three terms, 1 hour each term.

Sophomore year. This course consists principally in the instruction given to the drivers, the technical specialists, and the non-commissioned officers of Field Artillery. Military ceremonies; topography; orientation; reconnaissance; mounted drill and draft; elementary gunnery. Three periods.

UPPER DIVISION COURSES

Mil 311, 312, 313. **Junior Advanced Course.** Three terms, 3 hours each term.

Infantry auxiliary weapons, military sketching, combat principles, command and leadership, map problems and terrain exercises. Students of the first year advanced course will be required to function as section leaders at all military drills.

Mil 321, 322, 323. **Senior Advanced Course.** Three terms, 3 hours each term.

Combat principles, field engineering, military law, administration, military history, command and leadership, map problems and terrain exercises. Students of the second year advanced course will be required to function as platoon and company commanders at all military drills.

Mil 331, 332, 333. **Junior Band.** Three terms, 1 hour each term.

Open to all juniors.

Mil 381, 382, 383. **Senior Band.** Three terms, 1 hour each term.

Open to all seniors.

Department of Religion

ERNEST WILLIAM WARRINGTON, M.A., Professor of Religion.

ESTABLISHMENT of a chair of Religion at the State College was authorized in 1928, and the first courses were offered in the fall term of 1928-29. While the College has given cordial encouragement to the inauguration of instruction in Religion open to all the students of the institution, the Department of Religion is sponsored and financed entirely by private auspices and is administered by a board of control composed of College leaders and representatives of the religious interests of the state. The Department of Religion is non-sectarian in spirit and organization. The instruction is organized according to the same standards of authoritative scholarship demanded in the other departments throughout the institution.

The purpose of the Department of Religion is threefold:

(1) The courses in Religion seek to develop an appreciation of the nature and processes of religion in the light of conditions affecting life today, thus enabling students to make such adjustments as will vitalize religion for them.

(2) The courses are therefore determined for the most part by the needs of the larger group of students at the College, who are preparing for service in the fields of engineering, agriculture, home economics, teaching, business, etc.

(3) Special attention is given to the religious training of those students who anticipate lay-leadership in the churches of their local communities, as well as to those who plan to enter social service or the religious vocations, such as missionary work, the ministry, directors of religious education, pastor's assistant, professional leadership of religious organizations, etc.

DESCRIPTION OF COURSES

LOWER DIVISION COURSES

R 211. The New Testament and Its Historical Background. First and second terms, 2 hours each term.

First term: the life of Jesus. Second term: the early Christian church. Special attention is given to the times and conditions out of which the New Testament writings came. Two recitations. Professor Warrington.

R 220. The Sermon on the Mount. Any term, 1 hour.

An intensive study of a limited New Testament passage. Consideration is given to the content of Jesus' teaching as embodied in

the selected passage, and to the non-technical method of Bible study. One recitation. Professor Warrington.

R 225. The Prophets and Their Messages. Any term, 1 hour.

The early Hebrew prophets as heralds of a new day, spokesmen of a new idealism; significance of the prophets and the value of their messages for the present day. One recitation. Professor Warrington.

UPPER DIVISION COURSES

R 320. Historical Background of the Bible. First term, 3 hours.

This course is given by the Department of History. A study of Hebrew history and civilization with particular reference to its Oriental and Graeco-Roman background. Three lectures or recitations. Associate Professor Vaughn.

R 370. Principles of Religious Leadership. First or second term, 2 hours.

The class is open only to those on the campus or in the local community who are engaged, during the term, in some religious activity. In the theory work consideration is given to the psychology of human nature, work with individuals, group thinking, social conditions determining program, value of social activities, place of the Bible in religious education, and similar topics. Two recitations. Professor Warrington.

R 461. Orientation in Religious Thinking. First term, 3 hours.

An introduction to the nature and function of religion in the light of new scientific discoveries and significant trends in present-day life and thought; the present status of religion; essential attitudes for a fruitful study of religion; basis of authority; evaluation of the idea of God; significance of religion in a world of change; and other topics. Three lectures. Professor Warrington.

R 462. The Great Religions of the World. Second term, 3 hours.

A comparative study of the religions that command a large following today, such as Hinduism, Buddhism, Confucianism, Judaism, Christianity and Islam. It is intended to introduce the student to the essential facts about each religion studied. Three lectures. Professor Warrington.

R 463. The Methods of Religion. Third term, 3 hours.

A study of the release of spiritual energy in human personality, dealing with such subjects as the meaning and function of prayer and worship, the significance of church fellowship, benevolence and faith, the belief in immortality, and related subjects. Three lectures. Professor Warrington.

Graduate Study

IN the disciplines of undergraduate education the primary aim is to prepare the student for cultured living and effective citizenship. Professional training has the additional aim of preparing for a career. These aims continue into the graduate years, but in graduate study the dominant objective is the development of the scholar, capable of original thinking and of creative achievement in the advancement and extension of knowledge. Hence, the granting of a graduate degree indicates more than the mere completion of a prescribed amount of advanced study; it indicates rather that the student has shown both promise and performance in the field of independent scholarship.

Graduate study is defined to include all study beyond the bachelor's degree in other than strictly professional curricula. A student who has received a bachelor's degree at a standard college or university may be admitted as a graduate student at either Corvallis or Eugene. Such admission, however, does not in itself admit him to candidacy for a degree. Candidacy for an advanced degree is gained only by approval of the proper authorities after the student has demonstrated the thoroughness of his previous preparation and his ability to do work of graduate character.

On the basis of the 1932 allocations of curricula in the Oregon State System of Higher Education, all graduate study leading to advanced degrees has been centralized by curricula or major subjects as follows:

At Corvallis—

The biological sciences, the physical sciences (including mathematics), and the technical and professional fields of agriculture, education, engineering, forestry, home economics, and pharmacy.

At Eugene—

Arts and letters, the social sciences, and the professional fields of business administration, education, fine arts, journalism, law, and physical education.

At Portland—

The professional field of medicine.

In the curricula distinctive of each of the three campuses opportunity is afforded for study leading to degrees of Master of Arts, Master of Science, and Doctor of Philosophy. In certain fields graduate work may be carried on at Portland at the Portland Extension Center or the Medical School leading to degrees through the graduate division of the University or the State College. Graduate study may be pursued on the respective campuses according to the special requirements and conditions stated below.

At Corvallis

ALL graduate work on the Corvallis campus is carried on under a standing committee of the faculty known as the Committee on Graduate Study. The Committee includes the following:

GORDON VERNON SKELTON, C.E., Chairman.

PHILIP MARTIN BRANDT, A.M.

MILTON NELS NELSON, Ph.D.

WILLIBALD WENIGER, Ph.D.

The Committee on Graduate Study administers all College regulations relating to graduate students and advanced degrees, including registrations for advanced degrees, examinations and candidates for these degrees, and general supervision of all matters relating to graduate work. All recommendations for the award of advanced degrees are made by the Committee on Graduate Study, subject to the approval of the Administrative Council. Correspondence relating to graduate work should be addressed to the Committee on Graduate Study, Room 201, Physics Building, Oregon State Agricultural College, Corvallis, Oregon.

Degrees. Graduate degrees are offered at Corvallis as follows:

Master of Science: In agriculture, biological science, education, engineering, forestry, home economics, pharmacy, and physical science.

Master of Arts: In biological science and physical science.

Doctor of Philosophy: In agriculture, biological science, and physical science.

The requirements for the M.A. and M.S. degrees are identical except that the student receiving the M.A. must have fulfilled the language requirements for the B.A. degree or have passed an examination demonstrating reading knowledge of a foreign language that is of service in the major subject pursued.

Departments. The departments or subjects in which graduate work may be taken leading to advanced degrees at Corvallis are as follows:

BIOLOGICAL SCIENCE:

Anatomy*, Bacteriology*, Botany, Entomology, Pathology*, Physiology*, Zoology.

PHYSICAL SCIENCE:

Biochemistry*, Chemistry, Geology, Mathematics, Physics.

PROFESSIONAL AND TECHNICAL SCHOOLS:

Agriculture—Agricultural Economics, Agricultural Education, Animal Husbandry, Dairy Husbandry, Extension Methods, Farm Crops, Farm Management, Horticulture (including Horticul-

*Certain phases of graduate work in this field may be pursued at the Medical School, Portland.

tural Products, Landscape Horticulture, Pomology, and Vegetable Crops), Poultry Husbandry, Soils and Soil Science, and Veterinary Medicine.*

Education—General, Agricultural, Home Economics, Industrial, Secretarial; Educational and Vocational Guidance.

Engineering and Mechanic Arts—Chemical Engineering and Industrial Chemistry; Civil and Highway Engineering; Electrical, Power, and Communication Engineering; Mechanical and Aeronautical Engineering; Mechanics and Materials; Industrial Arts Education and Industrial Shop Administration.

Forestry—Technical Forestry, Logging Engineering, Lumber Manufacture.

Home Economics—Clothing, Textiles, and Related Arts; Foods and Nutrition; Home Economics Education; Household Administration (including Child Development and Parent Education); Institution Economics.

Pharmacy—Practical Pharmacy, Pharmaceutical Analysis, Pharmacology*, and Pharmacognosy.

The courses open to graduate students are printed under the several departments.

Facilities. The facilities for pursuing graduate work are excellent and include in addition to well equipped laboratories, the agricultural experiment station with nine branch experiment stations in different parts of the state, the engineering experiment station, a suitable reference library, and above all a scientific and technical faculty actively engaged in investigational and research work. No graduate student is permitted to undertake a thesis problem unless adequate facilities are available.

Admission. The College permits its own graduates and those of other institutions of equal rank to register as graduate students. Graduate students present their credentials to the Registrar, obtain a registration permit from him, register with the Committee on Graduate Study, and pay their fees at the Business Office.

General Regulations. Two classes of graduate students are recognized: those desiring to become candidates for an advanced degree and those desiring merely to take work beyond the bachelor requirements. The former make out a curriculum in conformity with the rules hereinafter stated; the latter register for the courses they desire. In permitting the latter registration there is no implied obligation to accept credits so earned toward a degree. Whether a student is adequately prepared to enter a particular course is determined by the instructor in charge and the head of his department.

Candidates for an advanced degree are required to complete a certain minimum of residence work, to prepare a suitable thesis, and to pass an oral examination.

the Graduate Council under the Chairmanship of the Dean formulates and administers general rules for putting into effect laws and policies voted by the graduate faculty. For a more effective administrative procedure the Graduate School is divided into three divisions, each under the supervision of a divisional council entrusted with the task of working out the special programs and standards of study within the boundary lines of its disciplines. The divisional councils also supervise departmental programs including requirements, prerequisites, theses and examinations as well as the programs for individual students. The formulation of departmental programs, both general and for individual students, rests with the departments.

Administration. The Graduate School is administered by the Dean of the Graduate School. Under him the general administration and oversight of the work of the School is in the hands of the Graduate Council. The Graduate Council is organized as follows:

GEORGE REBEC, Ph.D.....	Dean; Philosophy
CLARENCE VALENTINE BOYER, Ph.D.....	Language, Literature, and Arts; English
DONALD MILTON ERB, Ph.D.....	Social Science; Economics
JAMES RALPH JEWELL, Ph.D., LL.D.....	Social Science; Education
JOHN JACOB LANDBURY, Mus.D.....	Language, Literature, and Arts; Music
OLOF LARSELL, Ph.D.....	Medical Science; School of Medicine
FRIEDRICH GEORG GOTTLÖB SCHMIDT, Ph.D.....	Language, Literature, and Arts; German
JOHN HENRY MUELLER, Ph.D.....	Social Science; Sociology
ORIN FLETCHER STAFFORD, M.A.....	Natural Science; Chemistry
HARRY BARCLAY YOCOM, Ph.D.....	Natural Science; Zoology
CLARA LYNN FITCH.....	Secretary of the Graduate School

Organization. For each of the three divisions of the Graduate School a Divisional Council is organized as follows:

LITERATURE, LANGUAGE, AND ARTS DIVISION. This division comprises the departments of English, Germanic Languages, Greek, Latin, Romance Languages, Art and Architecture, Landscape Architecture, and Music. The Divisional Council is as follows:

CLARENCE VALENTINE BOYER, Ph.D., <i>Chairman</i>	English
RAY PRESTON BOWEN, Ph.D.....	Romance Languages
FREDERICK STANLEY DUNN, M.A.....	Latin
JOHN JACOB LANDBURY, Mus.D.....	Music
FRIEDRICH GEORG GOTTLÖB SCHMIDT, Ph.D.....	Germanic Languages
CLARA ELIZABETH SMERTENKO, Ph.D.....	Greek
NOWLAND BRITTON ZANE.....	Fine Arts

SOCIAL SCIENCE DIVISION. This Division comprises the departments of Business Administration, Economics, Education, Geology, History, Journalism, Law, Philosophy, Political Science, Psychology, and Sociology. The Divisional Council is as follows:

JOHN HENRY MUELLER, Ph.D., <i>Chairman</i>	Sociology
ERIC WILLIAM ALLEN, A.B.....	Journalism

ROBERT CARLTON CLARK, Ph.D.....	History
EDMUND SMITH CONKLIN, Ph.D.....	Psychology
DONALD MILTON ERR, Ph.D.....	Economics
HARRISON VAL HOYT, Ph.D.....	Business Administration
JAMES RALPH JEWELL, Ph.D., LL.D.....	Education
WAYNE LYMAN MORSE, J.D.....	Law
WALDO SCHUMACHER, Ph.D.....	Political Science
HARVEY GATES TOWNSEND, Ph.D.....	Philosophy

MEDICAL SCIENCE DIVISION. This division comprises all of the clinical departments of the School of Medicine at Portland, including Medicine (Internal Medicine, Nervous and Mental Diseases, Psychiatry, Dermatology and Syphilology, Radiology, Dental Medicine), Surgery (General Surgery; Orthopedic Surgery; Ophthalmology; Otolaryngology, Rhinology, and Laryngology; Urology; Gynecology), Obstetrics, Pediatrics. The chairman of the Divisional Council is Dr. Olof Larsell of the School of Medicine.

In relation to the work of the Graduate School the professional schools of Business Administration, Journalism, and Law rank as departments. The School of Physical Education is also organized as a department of the Graduate School.

THE NATURAL SCIENCES. The Graduate Council includes representatives for the biological and physical sciences—fields in which degrees are not granted on the Eugene campus—to aid in such problems as arise at Eugene involving these fields. In addition, the following advisory committee has been appointed to aid in correlating the lower division work at Eugene with the advanced work in these fields at Corvallis.

ORIN FLETCHER STAFFORD, M.A., <i>Chairman</i>	Chemistry
ANDREW FLEMING MOURSUND, Ph.D.....	Mathematics
WILL VICTOR NORRIS, Ph.D.....	Physics
FRANK PERRY SIPE, M.S.....	Botany
WARREN DUPRE SMITH, Ph.D.....	Geology
ALBERT RADDIN SWEETSER, Sc.D.....	Botany
HARRY BARCLAY YOCOM, Ph.D.....	Zoology

Degrees. The degrees of Master of Arts and Master of Science are granted in all of the departments of the Graduate School. Students who have the Bachelor of Science degree will proceed to the Master of Science unless they have fulfilled the language requirement for the Bachelor of Arts degree, or have passed a language examination for reading knowledge of a foreign language given by one of the divisions of the Graduate School.

The degree of Master of Fine Arts may be taken by a student who has either the Bachelor of Science or the Bachelor of Arts degree, and who demonstrates a high measure of ability as a creative artist. The School of Fine Arts offers this degree.

At present the Graduate School recognizes as prepared to accept candidates for the degree of Doctor of Philosophy the following departments:

Economics	History
Education	Psychology
Germanic Languages	Romance Languages

It is not the policy of the Graduate School to grant the doctor's degree to any student whose academic training, both undergraduate and graduate, has been exclusively with this institution.

Admission. Graduates of standard colleges and universities are admitted to the Graduate School upon presentation of an official transcript of the credits upon which their bachelor's degree is based.

Graduates of other than standard universities are expected to obtain the bachelor's degree from a standard institution before proceeding to graduate work.

Graduates of standard institutions who wish to take either graduate or undergraduate courses without expectation of applying them toward a degree may be admitted as non-degree students.

Admission to the Graduate School does not admit the student to candidacy for a degree until after he has taken a preliminary examination, and been advanced to candidacy by the Graduate Council.

General Regulations. The general regulations governing the work of the Graduate School include the following:

Residence Requirement. For the master's degrees the residence requirement is one academic year. This may be fulfilled by five six-weeks summer sessions, or three summer terms (the summer term is the six-weeks session plus the four-weeks post session) or the three terms of the regular year. In the Portland Extension Center, 15 term hours of work is held to equal a term.

For the doctor's degree, two years of full-time residence is required beyond the master's of which one year, usually the last, must be spent on the campus where the degree is desired. No credit toward the doctor's degree may be earned in the Portland Extension Center.

Five-Year Rule. All of the work for the master's degree, including the thesis and the final examination, must be completed within a period of five years from matriculation. Credits falling outside of this time limit may be used as foundational work, but may not be counted toward the master's degree.

Transferred Credit. Credits to the amount of 15 term hours may be transferred for the master's degree from another standard institution, provided the work is accepted as fitting into the program for that degree by either the major or the minor department, and is approved by the Graduate Council. No courses are accepted when the grades are below B.

Departmental Prerequisites. In order to be accepted as a graduate major in a subject, the student must have had an undergraduate major in that subject or an adequate equivalent.

For a graduate minor in a subject, the preparation required is at least one substantial year-course of upper division character, in addition to the foundational work in that subject.

Many of the departments have additional requirements for their major students which may be learned by communicating with the department adviser.

Candidacy for Advanced Degrees. Advancement to formal candidacy for the degree takes place when the student comes up for his preliminary examination given by his major department, and is presented by his department to the Graduate Council. This preliminary examination should be taken as soon as the student has completed approximately 15 term hours of work for the master's degree. Under no circumstances may this examination be postponed longer than the completion of 30 hours. Students who have taken their bachelor's degree with honors in a subject are exempted from the preliminary examination.

Requirements for the Master's Degree. The master's degree (M.A. or M.S.) requires 45 term hours of graduate work constituting a coherent program, based upon adequate preparation. This work is normally divided into a major and a minor, 30 hours for the major and 15 for the minor.

Nine hours of the major is given to the thesis. The work for the master's degree must be selected from courses of 400 and 500 character, and at least one year-course of the 500 status, normally of three hours a term, and of seminar type must be included in each master's program.

An average of B (GPA 2.00) is required on all of the work taken for the advanced degree; that is, for every hour of C, an hour of A is required.

The maximum amount of work that is permitted for a graduate student is sixteen hours a term during the academic year, or fifteen for the summer term,—that is, nine hours for the six-weeks session and six for the post session.

The student must present an acceptable thesis and pass an oral examination before a committee of the faculty.

The degree of Master of Fine Arts (M.F.A.) is a degree in full course, and ranks on a level with the degrees of Master of Arts or Master of Science. It is open to students who hold a bachelor of arts or of science, and who show a high measure of creative ability. The residence, credit, and grade requirements are the same as for the usual master's degree, but the arrangement of work and the major and minor requirements are different and fifteen hours are allowed for the thesis, which is expected to be an original piece of creative work.

Requirements for the Doctor's Degree. The minimum amount of work for the doctor's degree (Ph.D.) for an adequately prepared student is three full years beyond the bachelor's degree. However, the degree of Doctor of Philosophy is based upon attainments and proved ability, and does not rest on any computation of time or any enumeration of courses, although no student may receive the degree until he has fulfilled the requirements of residence and study for the prescribed periods.

At least two full years must have been devoted to resident graduate study beyond the master's degree in some institution of recognized graduate standing. At least one full academic year, usually the last year, must have been spent in resident graduate work at the University of Oregon.

A student working for the doctor's degree registers for one major and one or two minor subjects. Approximately 60 percent of his time is to

be devoted to his major subject, including the thesis, and 40 percent to the minor subjects.

Before a formal acceptance as candidate for the degree, the student must pass an examination set by the divisional chairman showing a sufficient reading knowledge of French and German, and must have been in residence for a time sufficient to demonstrate that he has the requisite scholarly foundation and the intellectual characteristics requisite for productive scholarship. This acceptance should normally come about one academic year before the time for the conferring of the degree.

The candidate presents a thesis embodying the results of his own original investigation. The general field and, if possible, the subject of this research should be selected and such preliminary investigation of the field made as will justify an expectation of its fruitfulness before and as one of the grounds of the promotion to candidacy. The thesis, if approved, is to be deposited in triplicate bound copies in the office of the dean, accompanied by five copies of an abstract of the thesis, approved by the major professor, and of not more than 2,500 words, for the use of the examining committee.

Departments have the option of requiring written examinations of the doctoral candidate in addition to the oral examinations.

The oral examination for the doctorate is commonly of three hours' duration, and covers both the research work of the candidate, based upon his thesis, and his attainments in his major and his minor subjects.

Fees. The fees required of graduate students are indicated on page 36.

Assistants and Fellows. The University has established assistantships of several ranks for graduate students taking their major or minor work in the several departments or schools. The graduate assistants are given a reduction in fees of from \$26.00 to \$16.00 a term. Full-time graduate assistants are limited to a program of ten term hours each term. The graduate assistantship in a department or school pays \$450.00 a year on first appointment, subject to an increase to \$500.00 a year on reappointment. The duties of a graduate assistant will require from sixteen to twenty hours a week of the student's time in laboratory or quiz section supervision, correction of papers, or assistance in departmental research; the Graduate Council recommends that students holding these assistantships should not register for more than eight hours of class work and does not permit them to carry more than ten hours. Such students ordinarily seek reappointment and take two full years of work for the master's degree.

Research assistantships pay \$450.00 a year. They are subject to the same restrictions as to amount of work required and the number of hours permitted in courses as the graduate assistantships. The research fellowship is awarded through the Graduate Council with the advice of the research council; the duties of a research fellow are to assist in the research problems to which he has been assigned under the direction of the faculty member conducting the project.

Part-time graduate assistantships, involving service as readers, laboratory assistants, or other minor positions, are also open to graduate students.

These carry a smaller stipend and fewer hours of work. These positions do not entitle the holders to any reduction in fees.

Teaching Fellowships commonly pay from \$500.00 to \$1,100 a year and are open only to persons who already have the master's degree. The program of a teaching fellow is limited in the same way as that of a graduate assistant, and the same reduction in fees is allowed.

At Portland

G RADUATE study in certain fields may be pursued at either the Portland Extension Center or the Medical School. Students seeking advanced degrees for such study register in the graduate division of the University or the State College according to the major subject (see the 1932 allocations of major curricula and degrees, page 561).

The Medical School. Aside from the curricula in nursing, the work of the Medical School is essentially on a graduate basis. Students must either have a bachelor's degree before entering or qualify for a degree before the end of their second year in medicine. For the requirements for the professional degree of Doctor of Medicine see School of Medicine in this catalog.

In addition, graduate work may be pursued at the Medical School leading to the degrees of M.A., M.S., and Ph.D. These degrees, as indicated above, are conferred according to the major subject in harmony with the 1932 allocations of major curricula and degrees (page 561).

Portland Extension Center. In a number of departments in the Portland Extension Center it is possible to accomplish the whole work for the master's degree (M.A., M.S.). In other departments at least some portion of the work may be accomplished. Appointments for conferences between graduate students and representatives of the graduate division at either Corvallis or Eugene are arranged by the Portland Center office.

Elementary Teacher Training and State Normal Schools

WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor of Higher Education.

JULIUS ALONZO CHURCHILL, M.A., Director of Elementary Teacher Training.

Ashland

WALTER REDFORD, Ph.D., President of Southern Oregon Normal School.

KATHERINE MARION VINCENT, Executive Secretary and Registrar.

RUTH PURDY, Secretary to the President.

MARION ELIZABETH ADY, M.A., Instructor in Art.

EDITH LOUISE BORK, Supervisor of Teaching.

MARGARET CASON, Supervisor of Teaching.

DOROTHE VIRGINIA HALES, M.A., Dean of Women; Instructor in Physical Education.

MATTIE ELIZABETH HILEMAN, Supervisor of Teaching.

LILLIAN NICHOLSON, A.B., Supervisor of Teaching.

BERTHA ALINE STEPHENS, Supervisor of Teaching.

ARTHUR CALVIN STRANGE, Instructor in Education.

ARTHUR SAMUEL TAYLOR, Ph.D., Instructor in Social Science, Education and Mathematics.

MARTHA ISABELLA WATTENBARGER, B.S., Supervisor of Teaching.

WAYNE WINFIELD WELLS, Ph.D., Instructor in Science.

EVA LAURA WHITE, M.A., Primary Supervisor of Training School and Instructor in Primary Education Courses.

MYRTLE FUNKHOUSER, M.A., Librarian.

LOREN ELIOT MESSENGER, M.S., Instructor in Psychology and Tests and Measurements.

JESSIE MARGARET SEESE, A.B., Supervisor of Teaching.

FLORENCE PAULINE ALLEN, Supervisor of Teaching.

LUCILE GERTRUDE BURTIS, A.B., Instructor in Art.

BERTHA ALBERTINE SMITH, M.A., Instructor in Health.

ANGUS LIVINGSTON BOWMER, M.A., Instructor in English.

LOUISE WOODRUFF, M.A., Instructor in Music.

OLLIE DEFEW, M.A., Instructor in English.

ROY WILSON MCNEAL, B.S., Instructor in Geography.

IDA O'BRIEN, M.A., Intermediate Supervisor.

KATHERYN TESACK, M.A., Instructor in Music.

La Grande

HARVEY EDGAR INLOW, A.B., LL.B., President of Eastern Oregon Normal School.

HELEN STERLING MOOR, A.B., Executive Secretary; Dean of Women.

KATE LEE HOUX, M.A., Director of Training.
MADELINE LARSON, B.S., Instructor in Physical Education and Health.
JOHN MARSHALL MILLER, B.S., Instructor in Education.
ERNEST ROBERT QUINN, B.S., Instructor in Physical Education and Geography.
*ELMO NALL STEVENSON, M.A., Instructor in Science.
ALMA WHITMER, A.B., Training Teacher.
AMANDA LOUISE ZABEL, M.A., Instructor in English.
*EDWARD GAIL DANIEL, M.A., Instructor in Social Science.
MAYME RUTH MCCARTER, B.S., Training Teacher.
JENNIE PETERSON, M.A., Director of Music.
ROY L. SKEEN, M.A., Instructor in Psychology.
RALPH EMERSON BADGLEY, M.S., Instructor in Science.
MARGARET CARSTAIRS, B.S., Training Teacher.
FREEDA GENEVIEVE KENNEDY, A.B., Training Teacher.
ARTA FRANCES LAWRENCE, M.A., Supervisor of Primary Education.
EVA MAY WEAR, Ph.B., Training Teacher.
FLORENCE DAY, M.A., Instructor in English.
HENRY JOSEPH GAISER, M.S., Instructor in Social Science.
HENRY PAUL HANSEN, M.A., Instructor in Science.
LETHAL GEORGIA KIESLING, B.S., Training Teacher.
THELMA IRENE WHALEY, M.A., Art Director.

Monmouth

JULIUS ALONZO CHURCHILL, M.A., President of the Oregon Normal School.
BERTHA BRAINERD, B.S., Registrar.
FAITH JEAN KIMBALL, A.B., Secretary to the President.

JAY BUTLER, A.B., B.S.D., Dean of Men and Student Loans.
AMOS COLFAX STANBROUGH, A.B., Instructor in Mathematics.
ALABAMA BRENTON, B.S., Instructor in Art.
KATHARINE ARBUTHNOT, Instructor in Geography; Head of Department.
LAURA JANE TAYLOR, B.S., Instructor in Health.
IDA MAE SMITH, B.A., Instructor in Primary Education.
EDNA MINGUS, A.M., Instructor in English.
HOMER DODDS, B.S., Instructor in Biology.
MRS. W. A. BARNUM, B.S., Supervisor of the Seventh and Eighth Grades.

*Leave of absence, 1932-33.

- FLORENCE ELLEN BEARDSLEY, B.S., Supervisor of Teaching.
MARY AGNES DONALDSON, B.S., Supervisor of Teaching.
JOSEPH SAMUEL LANDERS, M.A., Instructor in Education.
OMA BELLE EMMONS, Principal of Training School.
EMMA FRANCES HENKLE, M.A., Instructor in Intermediate Education.
OSCAR CARL CHRISTENSEN, B.S., Instructor in History and Social Science.
PEARL EYRE, Supervisor of Teaching.
GRACE MAURIE MITCHELL, M.B., Instructor in Music.
GLORIA PARKER OSIKA, B.S., Instructor in Physical Education.
HELEN CHARLOTTE ANDERSON, A.B., Instructor in English; Dean of Women.
MRS. ELSIE BOLT, B.S., Supervisor of Teaching.
LEILA HOWE, B.S., Supervisor of Teaching.
DELIA TIBBETTS KEENEY, B.S., Supervisor of Teaching.
ROSE JOHNSON PENCE, B.S., Supervisor of Teaching.
JOSEPH FREDERICK SANTEE, M.S., Instructor in Education.
BEULAH STEBNO THORNTON, A.B., Instructor in English.
HENRIETTA B. WOLFER, B.S., Supervisor of Teaching.
PEARL HEATH, Instructor in Art.
ARNE SIGURD JENSEN, Ph.D., Instructor in Psychology.
KATHERINE PETERSON LARSON, B.A., Instructor in Art.
DELMER RALPH DEWEY, M.A., Instructor in Education.
HAZEL AGATHA KIRK, B.S., Instructor in Physical Education.
LAWRENCE WARREN WOLFE, A.B., Instructor in Physical Education and Athletics.
PHEBE BUTLER COX, B.S., Supervisor of Teaching.
NEVA OPAL DALLAS, A.B., Supervisor of Teaching.
FLORENCE HUTCHINSON, B.M., Instructor in Music.
RUTH MCCLURE, A.B., Supervisor of Teaching.
LUCILE EUGENIA WALL, B.E., Supervisor of Teaching.
MARJORIE DEW, B.S., Supervisor of Teaching.
CATHERINE JANE MCEWEN, B.S., Supervisor of Teaching.
HELEN HAYMAN NELSON, A. B., Supervisor of Teaching.
DORA BROWN SCHEFFSKEY, B.S., Supervisor of Teaching.
LEE A. SLUSHER, B.A., Instructor in Music.
CLARA CAROLINE VAUGHAN THOMPSON, B.S., Supervisor of Teachers.
HILDA MAY TOP, B.S., Instructor in Physical Education.
MILICENT ANN HORWECE, B.S., Instructor in Health.
HELEN LAWRENCE MARTIN, B.E., Supervisor of Teaching.
ELMER PENDELL, Ph.D., Instructor in Sociology and History.
EDWARD FLETCHER BARROWS, Ph.D., Instructor in Biology.
ELOISE EVELYN BUCK, M.A., Instructor in English.
VERNE CALDWELL, Ph.D., Instructor in Psychology.

ALMA OLIVE DEMPSEY, Supervisor of Teaching.

LUCIUS ELDER FORBES, Ph.D., Instructor in Psychology.

STEPHEN JONES, Ph.D., Instructor in Geography.

CLARA AUGUSTA TROTTER, M.A., Supervisor of Training School and Instructor.

ELEMENTARY teacher training is characterized in the Federal Survey of Public Higher Education in Oregon as "undoubtedly the most important single factor influencing the future of the State."

By action of the State Board of Higher Education March 7, 1932, all elementary teacher training in the state system of higher education was placed in charge of a director of elementary teacher training responsible to the Board through the Chancellor for the work of the three normal schools, including the Eastern Oregon Normal School at La Grande, the Oregon Normal School at Monmouth, and the Southern Oregon Normal School at Ashland. The Board provided that the director shall serve also as president of the Oregon Normal School at Monmouth.

Purpose and Scope

AT all the three normal schools a two-fold educational objective is sought: (1) to provide training in the subjects taught in elementary schools and in the effective teaching of these subjects, and (2) to provide as broad general education as possible for the prospective teacher as individual and citizen. Courses in literature, art, music, physical education, history, sciences, and other subjects are provided to insure a broad training for those who as teachers will occupy positions of great influence in teaching the youth of the state. The normal schools realize that their obligation to the citizens of Oregon is not discharged through the performance of the sole duty of developing teaching skill in those who go out to teach. Back of the professional training must be an acquired culture that insures an enlargement of the life and an integration of personality that will become effective in its influence upon the pupils to be taught.

The normal schools are organized to prepare teachers for all phases of elementary school teaching. The same care is exercised in preparing teachers for general service in a one-room rural school of all grades as in giving intensive training for special teachers of one subject or one department in the highly developed platoon system of the larger cities.

Requirements for admission and graduation, buildings, library facilities, living accommodations, provisions for student health and physical welfare, loan funds, tuition and fees, student organizations, and campus activities have all been described in Part I of this catalog.

Assemblies. General assemblies of faculty and students are regarded as important elements in the programs of the normal schools. Through assembly singing, student programs, addresses by members of the faculty and visiting educators, music and other features, these school convocations make definite contributions to the educational life of each institution.

Book Exchanges. The normal schools do not provide textbooks for the individual use of students but at Ashland and Monmouth book exchanges are maintained through which students have opportunity to rent text-books or purchase them at reduced prices.

Certification and Placement

A two-year curriculum is offered on a parallel basis at the three normal schools. The curriculum, constituting a standard two-year course of training for elementary school teaching, is outlined on pages 577-578.

Certification. Students who complete the two-year curriculum receive the State Normal School Diploma and are eligible for certification to teach in elementary schools in Oregon. Graduates are likewise accredited as qualified elementary school teachers in all those states that do not require more than two years of teacher training preparation. The teaching certificate received on graduation leads to a five-year certificate after six months of successful teaching in Oregon and to a life certificate on the completion of thirty months of successful service in Oregon schools.

The Oregon normal schools are listed as accredited teacher training institutions (United States Office of Education, Bulletin 1930, No. 19, "Accredited Higher Institutions").

Appointment Bureaus. At all the normal schools provision is made to assist students who make their preparation for teaching at the respective normal schools to obtain teaching positions in Oregon schools. Close relation with the schools and school officers of the state is maintained so as to insure the placing of graduates in the positions for which they are best suited.

Practice Teaching

IMPORTANT in the efficiency of an institution for the training of teachers is the provision for practice teaching. Adequate practice teaching facilities provide the prospective teacher with the following opportunities: first, to do intensive teaching over a long period of time in order that teaching skill may be developed; second, to do intensive teaching in a comprehensive field of elementary school subject-matter, thus gaining preparation to teach all of the grades of a rural school; third, to become familiar through the practice school with modern educational equipment; fourth, to practice under close supervision in order that the desired teaching skills may be developed with as little waste of time and energy as possible; fifth, to teach groups of children approximating in numbers average school room groups; and sixth, to see the teaching procedures which the prospective teacher hopes to master demonstrated by experts. In the Oregon Normal schools the practice teaching is so organized as to make these opportunities available in so far as possible to every student.

To be eligible to enroll for practice teaching in the training school a student must have earned an average of C or better in all courses taken the first year. In order to be graduated a student must earn a grade of C or better in each of the three required terms of practice teaching. Various tests are given throughout the year to determine the student's proficiency in the essential subjects taught in elementary grades. Students are required to teach two hours daily throughout the entire year before graduation. Practice teaching is so conducted as to give the student experience in several departments with opportunity to specialize in one department. Before graduation the student has had opportunity to teach all of the major subjects of the elementary grades together with practice work in the special subjects of music, art and physical education, so as to afford a well-rounded teaching preparation. Demonstrations and conferences conducted by the supervisors of practice teaching supplement the practice work.

At Ashland. The Lincoln School, built jointly by the city of Ashland and the State of Oregon, is one of the public elementary schools of Ashland in close proximity to the Southern Oregon Normal School. The building is modern in both equipment and organization, and contains eight large demonstration rooms and twenty smaller classrooms. The average enrollment of children is 325. The selection of the teachers in the Lincoln School and the training school policies are controlled by the Normal School.

At La Grande. Excellent opportunity for practice teaching under actual conditions of public school work is provided in the model training school and the La Grande public schools. Practice teaching is done under the direction of expert and experienced critic teachers, each a master teacher not only with reference to classroom principle and procedure but in the training of teachers as well.

At Monmouth. Affiliated with the Oregon Normal School are five public elementary school groups. These include schools ranging from one-room schools to village schools having eight to twelve teachers. Students thus have opportunity for experience in an actual schoolroom situation in practically any type of school in which they may be interested.

Elementary Teacher Training Curriculum

State Normal School Diploma

	First Year		
	Term hours—		
	1st	2d	3d
English Fundamentals (Eng 181), English Composition (Eng 182), Advanced English Composition (Eng 183).....	2	3	3
General Biology (Sc 111, 112).....	3	3	.....
General Biology (Sc 113) or Physical Science (Sc 211).....	.....	.....	3
Introduction to Teaching (Ed 111).....	3	.....	.....
Health Education (H 111).....	3	.....	.....
Fundamentals of Music (Mus 195), Sight Reading (Mus 196), Music Education (Mus 197).....	2	2	3
Library Instruction (Lib 115).....	2	.....	.....
Physical Education.....	1	1	.....
Elementary Sociology (Soc 181).....	.....	2	.....
Primary Education (Ed 114, 115) or Principles of Teaching in Intermediate Grades (Ed 116).....	.....	3	3
Art Structure I: Representation (A 111); Art Structure II: Design and Construction (A 112).....	.....	2	2
Social Organization of the School (Ed 112).....	.....	.....	2
	16	16	16

	Second Year		
	Term hours		
	1st	2d	3d
English	3	.....	.....
Art	2	.....	.....
Principles of Geography (Geo 221), Economic Geography (Geo 222).....	3	3	.....
Elementary Psychology (Psy 281), Educational Psychology (Psy 282) or Psychology of Elementary School Subjects (Ed 217).....	3	3	.....
Child Psychology (Psy 285) or Adolescent Psychology (Psy 283).....	5	5	3
Practice Teaching	5	5	5
History of Education (Ed 212).....	.....	2	.....
Educational Tests and Measurements (Ed 214).....	.....	3	.....
Elementary Economics (Ec 281).....	.....	.....	3
American History .....	.....	.....	2
History of Oregon (Hst 285).....	.....	.....	2
Physical Education .....	.....	.....	1
	16	16	16

Description of Courses

AT ASHLAND, LA GRANDE, AND MONMOUTH

ART

A 111. Art Structure I: Representation. One term, 2 hours.

For students who have had little or no preparation in art. Still life, elementary lettering, outdoor sketching, figure drawing, and a simple poster.

A 112. Art Structure II: Design and Construction. One term, 2 hours.

The principles of design used both in the home and in the commercial world. At least one practical problem is completed, selected from the fields of bookbinding, soap carving, ceramic design, and wall hangings. Prerequisite: A 111.

A 113. Art Structure III: Art Education. One term, 2 hours.

A lecture course with few outside assignments. Bibliography, subject-matter, plans for courses, and the ordering of supplies for primary and intermediate classes.

A 211. History and Appreciation of Design. One term, 2 hours.

A series of illustrated talks dealing with the relationship between design and ceramics, textiles, architecture, sculpture, painting, caricature, prints, furniture, dress, and photography.

A 212. The Puppet Show. One term, 2 hours.

The construction of puppet theaters, construction and costuming of puppets, and the actual production of a puppet play. Only those materials are used which may be obtained in any community.

A 213. Commercial Design. One term, 2 hours.

A practical course in commercial design including posters, lettering, cartoons, and book jackets.

A 214. Art in Environment. One term, 2 hours.

Art structure applied to dress, the house, the schoolroom, civic improvement, and other factors related to daily life. Lectures, applications, field trips if possible.

A 215. Stage Costume and Design. One term, 2 hours.

Designing of costumes and stage sets for amateur productions. Making of headdresses, masks, properties, small stage models, decorating material. Actual application to specific plays.

ECONOMICS

Ec 281. Elementary Economics. One term, 3 hours.

Social phenomena due to the wealth-getting and wealth-using activities of man; all other phases of man's life in so far as they affect his social activity in this respect; wealth; capital and income; driving forces of economic life; the industries of production; money; the interaction of supply and demand; the interpretation of the meaning of the law of supply and demand; consumption.

Ec 282. Money and Banking. One term, 3 hours.

The nature and function of a pecuniary unit; the regulation of government paper currency; credit and credit instruments; domestic and foreign exchange; types of business organizations; marketing of securities; stock exchanges; the different types of banks and their functions; a brief history of banking in the United States with special emphasis upon the Federal Reserve System. The purpose is to introduce to the student the fundamental principles underlying the banking and financing procedures in the United States and to lay a foundation for further study in this field. The course also seeks to give the student a better understanding and probably a more intelligent appreciation of the services rendered by banking and financing organizations. Prerequisite: Ec 281.

EDUCATION

Ed 111. Introduction to Teaching. One term, 3 hours.

An orientation course for students who plan to prepare for teaching. A general introduction to the field of education; a survey of the general principles and theories of teaching; methods of study; the college student's relations to his fellow-students and instructors; how to prepare for teaching; the obligations and ethics of the calling; the importance to America of the public school system; the nature and importance of the teacher's leadership over his students; his relation to the community in which he works; the original nature of the child; means of protecting and bettering children's health; character building; problems of general methods; organization and management of the school; the relation of the school to other social agencies. The purpose is to present to the student such a body of information relating to the work of the public school as every citizen and teacher ought to have.

Ed 112. The Social Organization of the School. One term, 2 hours.

The social character and relations of the school are emphasized throughout this course. As a background, a short time is devoted to the study of the evolution of the school as at present organized. Stress is then given to such problems as the following: the social ideals which the school undertakes to impart; the protective, selective, and guiding functions of the school; its work in building those standards and habits which contribute to produce a law-respecting and law-abiding citizenship; the changing methods of school organization and present social needs. Prerequisite: Soc 181.

Ed 113. Primary Reading. One term, 3 hours.

As an introduction, this course includes a brief survey of modern methods in teaching children. An intensive study of the teaching of reading, with an opportunity to examine and evaluate some modern courses of study, text-books, commercial and teacher-made self-helps; the teaching of phonics and the place phonics should occupy in the reading program; consideration to up-to-date experiments in reading; the amount of time which should be given to silent reading; ways of introducing and using silent reading; how reading may be correlated with vital experiences of the child; samples of work done by children shown and discussed. Opportunities are given to observe demonstration classes in the training school.

Ed 114. Primary Education. One term, 3 hours.

Methods for primary grades; the importance of right attitudes and pleasant schoolroom environment; the place children's purposes and plans should occupy; the traits of children from preschool age to nine years. About one-half of the time is devoted to the study of beginning, second- and third-grade reading. Special attention is given to the use and making of self-helps for oral and silent reading and other worthwhile activities of the primary grades. Applied principles of discussed methods are demonstrated in the laboratories of the training school. Prerequisite: Ed 111.

Ed 115. Primary Education. One term, 3 hours.

Continuation of Ed 114. The teaching of oral and written language, literature, and spelling; how worth-while enterprises of children may be carried on and work correlated with other regular school subjects. Opportunities are given to observe demonstration lessons in the training school. Prerequisite: Ed 114.

Ed 116. Principles of Teaching in Intermediate Grades. One term, 3 hours.

Planned to be of very practical value to experienced teachers and also to young prospective teachers who plan to teach in the intermediate grades. As the various techniques are presented with their underlying educational principles, frequent opportunity is given to observe the demonstration of the methods in the practice school. While the course is a practical one, the endeavor is to give the students a broad educational outlook and professional attitude by introducing them to the great field of professional literature and the scien-

tific findings in the particular fields discussed. The course includes the following topics: the dignity and importance of teaching in the elementary grades; teaching conceived of as a fine art; criteria for judging a technique; the characteristics of good teaching; the traits of the child from nine to twelve years; the technique of all subjects taught in the intermediate grades with emphasis on drill, the problem method, the project, socialized work; application of teaching to individual needs, grouping children into ability groups; silent reading; the skillful use of a text-book; sources of interesting material to be used supplementary to the texts. Prerequisite: Ed 111 or equivalent.

Ed 211. School Administration. One term, 2 hours.

The problems of the principal of the village or consolidated rural school. Intended for principals, supervisors and those students who, as a part of their preparation for teaching, wish to make preparation for administrative work or to get a better understanding of the principal's point of view.

Ed 212. History of Education. One term, 2 hours.

History of the development of educational standards and methods; education as it existed in savage and barbarian times, in Greece and Rome, in the Middle Ages, and in modern times; the gradual evolution of man's thinking about life and its problems and of modes of living and social relationships; much attention to changing economic and political relations; thorough study of the lives and work of such educational reformers as Rousseau, Pestalozzi, Herbart, Froebel, Horace Mann, and John Dewey. The purpose is to show the gradual evolution of our modern educational system and to give a better understanding and deeper appreciation of it.

Ed 213. The Supervision of Teaching. One term, 3 hours.

Offered to those already holding such supervisory positions as critic teachers in a normal school, supervisor of elementary grades in a city or county system, supervising principal of an elementary school, and to those who are contemplating filling such positions. Includes such topics as: the importance of the trained supervisor; the purposes of supervision; what constitutes good supervision; the best means of measuring the results of teaching; teacher rating; problem of the supervisory officer as a coordinator; the problem of the initiative of the teacher; the value of the group conference; value of the individual conference; demonstrating for teachers. Prerequisite: teaching experience.

Ed 214. Educational Tests and Measurements. One term, 3 hours.

Recent movements seek not to eliminate opinion but to support it by scientific evidence. This course acquaints the student with the machinery used in such investigations and develops skill in its use. The standardized tests are studied, including methods of giving, scoring and tabulating, and graphing results. Special attention is given to objective tests, to the diagnosing of difficulties, and to the use of proper remedial measures. Students receive practice in giving educational tests under classroom conditions.

Ed 215. Statistics and General Intelligence Testing. One term, 3 hours.

Designed to give training in the measurements of mental ability or innate capacity; in the selection, by tests and otherwise, of those different levels of intelligence, with some consideration of the fitness of the various levels to certain work or study; the simpler statistical methods studied and used in handling of test material; actual testing by each student. Topics for special study are: nature and frequency of mental deficiency and superiority; causes and problems of retardation; relation of mental activity to delinquency; uses of mental tests in juvenile courts, in vocational guidance, and in classifying students. Prerequisites: Psy 281, Ed 214.

Ed 217. Psychology of Elementary School Subjects. One term, 3 hours.

An advanced course planned for all teachers of the elementary grades and for those holding supervisory positions who wish to improve their own teaching or that of those whom they supervise. The course includes the psychology of arithmetic, reading, spelling, and language. Prerequisites: Psy 281 or equivalent and teaching experience.

ENGLISH

Eng 181. English Fundamentals. One term, 2 hours.

An intensive study of the fundamentals of English grammar, with their practical application to written and spoken composition; sentence analysis; the constantly occurring changes in English due to usage. This course is designed to review grammar for those who will teach and to provide a fundamental background for rhetoric.

Eng 182. English Composition. One term, 3 hours.

Designed to meet the requirements in composition for those students working for a normal school diploma as well as the requirements for undergraduate college English. The fundamental principles of good writing are presented to aid the student in discovering his needs in composition. Assigned themes, reports, and discussions give practice in description, narration, and exposition.

Eng 183. Advanced English Composition. One term, 3 hours.

Designed for those who have demonstrated skill in writing. Prerequisite: Eng 182.

Eng 281. Creative Writing. One term, 3 hours.

The purpose is to provide opportunity and encouragement to those who are ambitious to express themselves through literary mediums. Models of essays, short stories, poetry, and plays are studied, and original work is done in each of these branches of literature. For advanced students who have had elementary composition and who have demonstrated skill in writing.

Eng 282. English Literature I. One term, 3 hours.

Survey of English literature from the Anglo-Saxon period to the seventeenth century.

Eng 283. **English Literature II.** One term, 3 hours.

Survey of English literature of the seventeenth, eighteenth, and nineteenth centuries.

Eng 284. **Shakespeare I.** One term, 3 hours.

A study of the important comedies.

Eng 285. **Shakespeare II.** One term, 3 hours.

A study of historical plays.

Eng 286. **Shakespeare III.** One term, 3 hours.

A study of the tragedies.

Eng 287. **Masterpieces.** One term, 3 hours.

Intensive study of a few of the masterpieces of English literature, such as "Canterbury Tales," "King Lear," "Hamlet," "Othello," "Heroes and Hero Worship," "Oliver Twist." At least one example of the novel, the essay, the drama, and the tale will be read and analyzed.

Eng 288. **The Development of the English Novel.** One term, 3 hours.

Traces the novel from the beginning under Richardson and Fielding to the present state of development under Hardy, Meredith, and Stevenson.

Eng 289. **An Introduction to Drama.** One term, 3 hours.

A careful study of selected plays representing nearly every type important in England and America, together with certain foreign types that have exerted considerable influence on the drama in English.

Eng 290. **Essentials of Speaking.** One term, 3 hours.

Seeks to remove self-consciousness; to teach methods for proper organization of material; to arouse positive convictions and stimulate their effective expression.

Eng 291. **Play Production.** One term, 3 hours.

Studies and applications of the fundamental principles underlying dramatic art. Opportunities are given students to participate in acting and directing.

Eng 292. **Contemporary American Poetry.** One term, 3 hours.

The purpose is to acquaint the student with the tendencies in American poetry since 1914. Selections from the works of Frost, Robinson, Lowell, Millay, Teasdale, Benet, Sandburg, and others are studied.

Eng 293. **Contemporary British Poetry.** One term, 3 hours.

Similar in purpose to Eng 292. The following contemporary British poets are among those studied: Hardy, Bridges, Yeats, De La Mare, Kipling, Wilson, and Brooke.

Eng 294. Contemporary American Novel. One term, 3 hours.

Affords an opportunity to become acquainted with the works of Anderson, Garland, Sinclair, Dreiser, Wharton, Cather, and other writers of our time. The course aims to give the student an idea of the conflicting tendencies in contemporary American literature and to form a basis for critical appreciation of contemporary novelists.

Eng 295. Contemporary British Novel. One term, 3 hours.

Aims to give the student an idea of the conflicting tendencies in English literature of today and to form a basis for critical appreciation of contemporary novelists. Works of Shaw, Kipling, Conrad, Wells, Galsworthy, Walpole, and other authors will be studied.

Eng 296. American Literature. One term, 3 hours.

Survey of American literature from its beginning to the present day.

GEOGRAPHY

Geo 221. Principles of Geography. One term, 3 hours.

Deals with the problems of modern geography. Scientific investigation of geographic environment and its influence; use of maps and charts; geographic control of production and trade; major geographic features of the continent; physical background; the relation of the physiographic environment to man's activities; genuine problems which necessitate the application of the principles learned. The great principles of geography are set forth in their human aspects. Material from geology, meteorology, climatology, physiography, oceanography, and other related subjects is drawn upon.

Geo 222. Economic Geography. One term, 3 hours.

Deals with the principal agricultural and mineral resources of the world; geographical distribution and development, governmental policies of conservation, transportation routes, etc.; the interpretation and explanation of the facts presented in the text in the light of geographical influences. The cause-and-effect idea prevails throughout the course. Geology, climatology, meteorology, economics, and other related fields are freely drawn upon. Prerequisite: Geo 221.

Geo 223. Geography of North America. One term, 3 hours.**Geo 224. Geography of South America.** One term, 3 hours.**Geo 225. Geography of Europe.** One term, 3 hours.**Geo 226. Geography of Asia.** One term, 3 hours.

HEALTH

H 111. Health Education. One term, 3 hours.

Health and hygiene from the standpoint of the classroom teacher. Consideration is given to methods and importance of health grading of school children; the aim and subject-matter of health instruction in the grades and the practice of sanitation in the schoolroom.

H 112. **Values and Methods in Health Education.** One term, 3 hours.

The general and special principles which should govern the organization of plans and the selection of materials and methods for health teaching and training in the schools.

H 113. **Nutrition.** One term, 3 hours.

The essentials of an adequate diet; the food needs of persons of different ages; the nutritive values of the common food materials; emphasis on the diet of school children.

H 114. **Personal Hygiene.** One term, 2 hours.

Personal hygiene as a means for the improvement of living; the meaning of health in terms of life value; the biologic approach for the study of health; the place of intelligent control in modern civilization; unscientific and irrational health proposals; ways for improvement of health; the prevention of disease.

H 211. **Hygiene of the School Child.** One term, 3 hours.

The physical organization and comparative development of the child; health examination of children; control of communicable diseases in schools; discovery and treatment of chronic health defects; school sanitation; the hygiene of instruction; preventive mental hygiene; special aspects of educational hygiene.

H 212. **Human Physiology.** One term, 3 hours.

A study of the structure, function, and hygiene of the human organs concerned with digestion, circulation, respiration, metabolism, excretion, nervous and muscular activity, and reproduction.

HISTORY

Hst 281. **American Colonial History.** One term, 2 hours.

The colonial settlements in North America and their problems; the causes leading to separation from England; the Revolutionary War. The course is concluded with a study of the Constitution.

Hst 282. **American History 1800-1861.** One term, 2 hours.

The early developmental period of American history; new additions to the territory of the United States; the formation of new states. A careful study is made of the causes of the Civil War.

Hst 283. **American History 1861 to Present.** One term, 2 hours.

The history of our country since 1861 with especial reference to political and social development. Problems arising because of foreign relationships are studied. The last part of the course deals with the World War.

Hst 284. **Survey of American History.** One term, 2 hours.

A general course giving special attention to the Revolutionary War and the two decades immediately following.

Hst 285. **History of Oregon.** One term, 2 hours.

Survey of the history of the territory now known as the Pacific Northwest. Five periods are studied: early explorations, fur trade and exploration, provincial government, territorial government, state government.

LIBRARY INSTRUCTION

Lib 115. **Library Instruction.** One term, 2 hours.

Planned to give the student a working knowledge of a library. A study of classification and the arrangement of books, the card catalog, general and special reference books. The lectures are supplemented by special problems to be worked out in the library.

MATHEMATICS

Mth 281. **Trigonometry.** One term, 3 hours.

Plane trigonometry, trigonometric functions, identities, inverse functions, solution of triangles by logarithms, applications of trigonometry to algebra.

Mth 282. **College Algebra.** One term, 3 hours.

A rapid review of high school algebra followed by college algebra; quadratics; simultaneous quadratics; inequalities; mathematical induction; ratio and proportion; variation; progressions; theory of equations; logarithms; and partial fractions.

MUSIC

Mus 195. **Fundamentals of Music.** One term, 2 hours.

Elementary rhythmic development; study of notation; ear training; study of scales and primary triads; sight reading of simple unison songs. Aims to give thorough preparation for the course in sight reading. Required as preparation for any other course in music.

Mus 196. **Sight Reading.** One term, 2 hours.

Continuation of Mus 195. Reading at sight songs of more complicated rhythm and melody in the major and minor modes; ear training; part singing; voice training. Required as a preparation for courses in music methods. Prerequisite: Mus 196.

Mus 197. **Music Education.** One term, 3 hours.

Study of the principles of music education and their application to music teaching in the elementary grades; special attention to the training of the child voice and to music appreciation. Prerequisites: Mus 195, 196.

Mus 295. **Music Appreciation.** One term, 3 hours.

Aims to lead the student to listen intelligently and with enjoyment to music.

Mus 296. **Elementary School Orchestra.** One term, 3 hours.

The organization and training of school orchestras; a brief study of the instruments; transposing and score writing; orchestra material.

PHYSICAL EDUCATION FOR WOMEN

PE 181. **Technique of Physical Education Instruction: Primary.** One term, 2 hours.

For teachers specializing in primary work. Theory and practice of physical education for the first three grades; story plays; dramatic dances; rhythmic work; singing games.

PE 182. **Technique of Physical Education Instruction: Intermediate.** One term, 2 hours.

Material for schoolroom use; theory and practice of schoolroom gymnastics; opportunity for practice in the technique of instruction; the content of mimetic exercises; schoolroom games; methods of posture training. Prerequisite: elementary gymnastics.

PE 183. **Theory and Practice of Play.** One term, 1 hour.

A study of the nature and function of play and the teaching of games suitable for playground activity.

PE 184. **Playground Organization and Supervision.** One term, 1 hour.

Planned to familiarize the teacher with the practical methods of conducting playground activities of the school. The growth and advancement of the playground movement; the construction of the playground; selection and placement of playground equipment; organization and supervision of play periods and special play days and field meets. Prerequisite: PE 183.

PE 281. **Elementary Folk Dancing.** One term, 1 hour.

A practical course presenting the fundamental folk dance steps and group dances suitable for primary and intermediate grades.

PE 282. **Advanced Folk Dancing.** One term, 1 hour.

Dance material for the upper grades and high school. National folk dances, character dances, and clogging. Prerequisite: PE 281.

PE 284. **Festivals, Pageants, and Special Programs.** One term, 1 hour.

A study of the production of festivals and pageants; practice in writing original pageants and programs for special days such as Thanksgiving, Christmas, Washington's birthday, etc.

PE 285. **Community Recreation.** One term, 1 hour.

Study and preparation of material suitable for social gatherings and clubs in community centers. Prerequisites: PE 183, 281.

PE 286. **Creative Activities in Physical Education.** One term, 1 hour.

A practical course dealing with composition and development of dance rhythms and dances suitable for primary grades.

PHYSICAL EDUCATION FOR MEN

PE 191. Football Theory. One term, 2 hours.

The theory of fundamentals, styles of offense and defense, selection of men, the play of individual positions, generalship, etc.

PE 192. Basketball Theory. One term, 1 hour.

Passing, shooting, dribbling, pivoting, jumping, and other fundamentals are covered. Discussion is given to team play, rules, etc.

PE 193. Baseball Theory. One term, 2 hours.

Lectures and discussions covering all phases of the game.

PSYCHOLOGY

Psy 281. Elementary Psychology. One term, 3 hours.

A study of the physical basis of behavior and conscious activity, with special attention to the receiving, connecting, and reacting mechanisms. The functional view is maintained to understand the dominant urges and the general laws of learning. Lays a foundation for understanding the mental life and the learning processes involved in teaching activities and in later courses. Prerequisite to all other courses in psychology.

Psy 282. Educational Psychology. One term, 3 hours.

Reviews the laws of learning and applies these laws and principles to the various specific courses of the elementary curriculum. Innate tendencies and capacities and their relation to the educative process; heredity and environment; laws and methods of study; nature of different learning types; retention and reproduction; mental training and transfer; individual differences, their measurement and significance. Prerequisite: Psy 281.

Psy 283. Adolescent Psychology. One term, 3 hours.

Reviews briefly the capacities of the child to the period of pre-adolescence. The preadolescent, adolescent, and the post-adolescent studied in detail to show the needs of the child during these stages; the educational aspects of the problem considered at length; survey of the literature of this field; study of a special phase of adolescent behavior. Prerequisite: Psy 281.

Psy 284. Social Psychology. One term, 3 hours.

The individual and his relations to society from a psychological point of view with special reference to the work being done by the experimental method. Special attention is given to the innate tendencies influenced by the behavior of one's fellows and their organization into group attitudes of opposition and cooperation. The respective roles of habit, custom, language, suggestion, imitation, and emotion are stressed in their relation to social progress. Prerequisites: Psy 281, Soc 181.

Psy 285. **Child Psychology.** One term, 3 hours.

The child is studied as a distinct personality, not as a miniature adult. The biological and social inheritances which fit the child for his place in the social and economic world are traced. The mental-hygiene aspect of training the emotions is stressed and an opportunity to study the remedial aspects of child behavior is offered. Prerequisite: Psy 281.

Psy 286. **Applied Psychology.** One term, 3 hours.

The general nature of the organism and the effects of environmental influences on responses; the nature and causes of individual differences; advertising and salesmanship in relation to attention, interest, and feeling; selection and control of employees; evidences and testimony; the voter, politician and political strategy; helps in medical practice and mental hygiene. Prerequisite: Psy 281.

SCIENCE

Sc 111. **General Biology I.** One term, 3 hours.

The fundamental principles of biology; the simple, common plants and animals; their life processes and ecological relationships. Such common types are studied as may be used as a basis for nature study work. This course includes non-flowering plants and the invertebrate animals. Laboratory work, field trips, lectures, and discussion.

Sc 112. **General Biology II.** One term, 3 hours.

Continuation of Sc 111 with a similar study of flowering plants and the higher animals. Prerequisite: Sc 111.

Sc 113. **General Biology III.** One term, 3 hours.

A study of the biological basis for the principles and laws of heredity with a special reference to human development; the biological aspect of social problems including eugenics. Lectures, readings, reports, and discussion. Prerequisites: Sc 111, 112.

Sc 211. **Physical Science.** One term, 3 hours.

Designed to supply a general background of information in the physical sciences, the subject-matter being drawn largely from the fields of astronomy and geology. Theories and information concerning the formation of our universe and solar system; a study of the planets and the more important stars and constellations; the formation, classification, and recognition of rocks; the fundamental laws of physics and chemistry as they apply to the material of the course. Lectures, reports, readings, and discussion.

Sc 212. **Physical Geology.** One term, 3 hours.

Intended to introduce the student to the subject and acquaint him with the common technical terms and general divisions of geology. The subject becomes broader with each addition of knowledge and it is hoped an interest in the extensive aspects of the work may be stimulated.

Sc 213. **General Physics.** One term, 4 hours.

A general course covering mechanics, sound, heat, light, electricity, and an introduction to modern physics. Adapted to students who present high school credits in algebra and geometry.

Sc 214. **Elementary Chemistry.** One term, 4 hours.

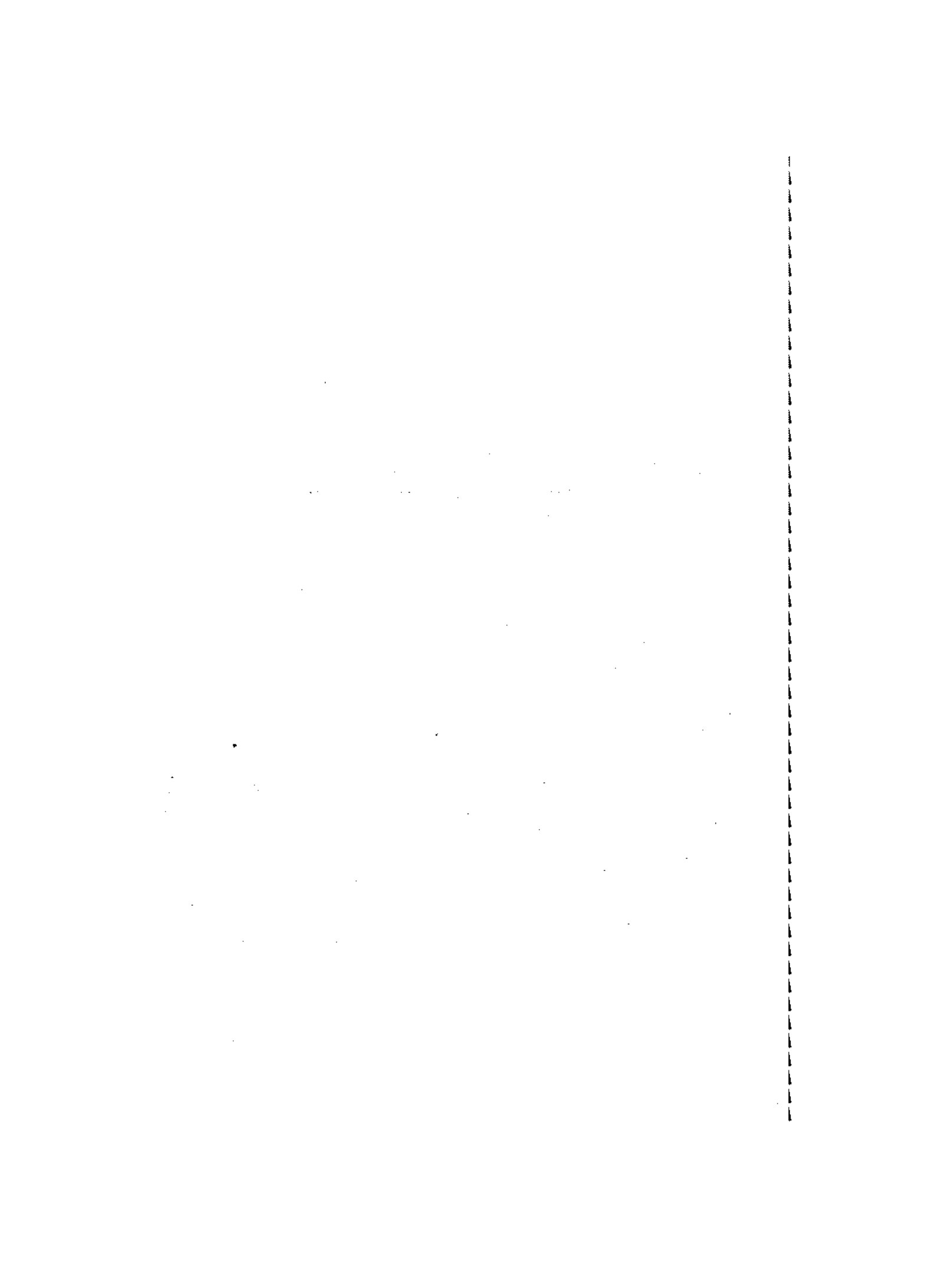
SOCIOLOGY

Soc 181. **Elementary Sociology.** One term, 2 hours.

The fundamental course for students in sociology. Facts, principles, and laws that treat of the evolution of society, social processes, and social control are studied. Emphasis is laid on the development of the social institutions, the family, home, church, and school.

Part III

Research and Experimentation



Research and Experimentation

ENLARGEMENT of human knowledge and the rendering of technical and technological service to the common-wealth and its various subdivisions, industries, and interests are recognized functions of all institutions of higher learning. Research and service studies in the Oregon State System of Higher Education are carried on through the interinstitutional General Research Council; through the Agricultural Experiment Station and the Engineering Experiment Station at Corvallis; through the Bureau of Institutional Research and the Commonwealth Service Council at Eugene; and through Medical Research at Portland.

The General Research Council

EARL LEROY PACKARD, Ph.D., Dean and Director of Science; Chairman.
HOWARD PHILLIPS BARSS, S.M., Professor of Botany and Plant Pathology.
WILLIAM ALFRED SCHOENFELD, M.B.A., Dean and Director of Agriculture.
WILLIAM EDMUND MILNE, Ph.D., Professor of Mathematics.
RALPH W. LEIGHTON, Ph.D., Executive Secretary, Research Council.
ROBERT HOLMES SEASHORE, Ph.D., Associate Professor of Psychology.
HENRY DAVIDSON SHELDON, Ph.D., Research Professor of History and Education.
SAMUEL STEPHENSON SMITH, B.A., B.Litt. (Oxon.), Associate Professor of English.
OLOF LARSELL, Ph.D., Professor of Anatomy.

Natural Science Research Council

WILLIAM EDMUND MILNE, Ph.D., Professor of Mathematics; Chairman.
WILLIRALD WENIGER, Ph.D., Professor of Physics.
GODFREY VERNON COPSON, M.S., Professor of Bacteriology.
FRED ORVILLE McMILLAN, M.S., Research Professor of Electrical Engineering.
EDWIN THOMAS HODGE, Ph.D., Professor of Geology.
ARTHUR RUSSELL MOORE, Ph.D., Research Professor of General Physiology.
DON CARLOS MOTE, Ph.D., Professor of Entomology.
ROGER JOHN WILLIAMS, Ph.D., Professor of Chemistry.
GEORGE WILCOX PEAVY, M.S.F., Dean and Director of Forestry.
MAUD MATHES WILSON, M.A., Professor of Home Economics.
ETHEL IDA SANBORN, Ph.D., Assistant Professor of Botany.
RALPH RUSKIN HUESTIS, Ph.D., Professor of Biology.

Social Science Research Council

HENRY DAVIDSON SHELDON, Ph.D., Research Professor of History and Education.

JAMES RALPH JEWELL, Ph.D., LL.D., Dean and Director of Education.

WAYNE LYMAN MORSE, J.D., Dean and Director of Law.

DONALD MILTON ERB, Ph.D., Professor of Economics.

LUTHER SHEELEIGH CRESSMAN, Ph.D., Professor of Sociology.

ERIC WILLIAM ALLEN, A.B., Dean and Director of Journalism.

ORIN KAY BURRELL, M.A., C.P.A., Associate Professor of Business Administration.

JAMES DUFF BARNETT, Ph.D., Professor of Political Science.

HOWARD RICE TAYLOR, Ph.D., Professor of Psychology.

HARVEY GATES TOWNSEND, Ph.D., Professor of Philosophy.

CHARLES DAVID BYRNE, M.S., Head of Informational Service.

MILTON NELS NELSON, Ph.D., Professor of Agricultural Economics.

Language, Literature, Art Research Council

SAMUEL STEPHENSON SMITH, B.A., B.Litt. (Oxon.), Associate Professor of English.

GEORGE HOPKINS, A.B., Professor of Piano.

LEAVITT OLDS WRIGHT, Ph.D., Professor of Romance Languages.

CLARA ELIZABETH SMERTENKO, Ph.D., Associate Professor of Latin and Greek.

FRIEDRICH GEORG GOTTLIEB SCHMIDT, Ph.D., Professor of Germanic Languages and Literature.

NOWLAND BRITTIN ZANE, Associate Professor of Design.

ARTHUR LEE PECK, B.S., B.A., Professor of Landscape Architecture.

MAUD MATHES WILSON, M.A., Professor of Home Economics.

WITH the approval of the administrations of the institutions concerned and of the State Board of Higher Education, a General Research Council has been established to provide for the research interests of the staff members at Corvallis and Eugene, as separate and apart from the research programs of the Agricultural Experiment Station and the Engineering Experiment Station at the State College and the University of Oregon special service and research bureaus.

The Council is organized as a general council with three divisional councils. The general council is the budgetary group and the chairman is the budgetary officer. This council is concerned with general policies affecting the research interests of staff members and is authorized to make grants-in-aid or otherwise assist the approved research projects initiated by staff members of the rank of instructor or higher. The divisional councils further the research interests of the fields represented, evaluate and examine the technical aspects, merit and feasibility of projects coming

before them. Projects receiving the recommendation of these councils are submitted to the General Council for action.

Grants are made by the General Research Council to individuals or groups of individuals of the rank of instructor or higher for research projects that have met the approval and received the recommendation of the appropriate divisional council. Funds may be used for equipment, materials, publications, travel within the state, and technical or clerical assistance. Research assistantships normally carrying a stipend of \$500.00 each are now available for major research projects requiring the technical assistance of a graduate student. Formal applications for grants-in-aid or for research assistants are made to the chairman of the General Council or to the appropriate divisional council.

The Agricultural Experiment Station

WILLIAM ALFRED SCHOENFELD, M.B.A., Director of the Agricultural Experiment Station.

RALPH STEPHEN BESSE, M.S., Vice-Director of Agricultural Experiment Station.

Agricultural Economics

MILTON NELS NELSON, Ph.D., Agricultural Economist in Charge.

WILLIAM HENRY DREESEN, Ph.D., Agricultural Economist.

Agricultural Engineering

FREDERICK EARL PRICE, B.S., Agricultural Engineer.

CLARENCE J HURD, B.S., Assistant Agricultural Engineer.

Animal Husbandry

ERMINE LAWRENCE POTTER, M.S., Animal Husbandman in Charge.

ORAN MILTON NELSON, M.S., Animal Husbandman.

ALFRED WEAVER OLIVER, M.S., Assistant Animal Husbandman.

Bacteriology

GODFREY VERNON COPSON, M.S., Bacteriologist in Charge.

JOSEPH ELLSWORTH SIMMONS, M.S., Associate Bacteriologist.

WALTER BENO BOLLEN, Ph.D., Assistant Bacteriologist.

Chemistry

J. SHIRLEY JONES, M.S.A., Chemist in Charge.

REGINALD HEBER ROBINSON, M.S., Chemist (Insecticides and Fungicides).

JOSEPH ROY HAAG, Ph.D., Chemist (Animal Nutrition).

DELOSS EVERETT BULLIS, M.S., Assistant Chemist (Horticultural Products).

MILES BRAYTON HATCH, B.S., Assistant Chemist.

Dairy Husbandry

- PHILIP MARTIN BRANDT, A.M., Dairy Husbandman in Charge.
GUSTAV HANS WILSTER, Ph.D., Dairy Husbandman (Dairy Manufacturing).
IDWAL RALPH JONES, Ph.D., Associate Dairy Husbandman.

Entomology

- DON CARLOS MOTE, Ph.D., Entomologist in Charge.
ANDREW OLOF LARSON, M.S., Entomologist (Stored Products Insects), United States Department of Agriculture.
BENJAMIN GARRISON THOMPSON, M.S., Assistant Entomologist.
FRANK GERALD HINMAN, M.S., Junior Entomologist (Stored Products Insects), United States Department of Agriculture.
SIDNEY CARROLL JONES, M.S., Assistant Entomologist.
KENNETH WIESNER GRAY, B.S., Field Assistant (Entomology).
WILLIAM DONALD EDWARDS, B.S., Field Assistant (Entomology).
ROLAND EUGENE DIMICK, M.S., Assistant in Entomology.

Farm Crops

- GEORGE ROBERT HYSLOP, B.S., Agronomist.
EARL NORMAN BRESSMAN, Ph.D., Agent, Division of Drug and Related Plants, United States Department of Agriculture.
HARRY AUGUST SCHOTH, M.S., Associate Agronomist; Forage Crops and Disease Investigation, United States Department of Agriculture.
DONALD DAVID HILL, M.S., Associate Agronomist.
BRITAIN BRACUNIER ROBINSON, Ph.D., Assistant Plant Breeder, United States Department of Agriculture.
GRACE COLE FLEISCHMAN, A.B., Assistant Botanist, Division of Seed Investigations, United States Department of Agriculture.

Farm Management

- HENRY DESBOROUGH SCUDDER, B.S., Economist in Charge (Farm Management).
HALBERT EDGERTON SELBY, M.S., Associate Economist (Farm Management).
GUSTAV WESLEY KUHLMAN, M.S., Associate Economist (Farm Management).
ARNOLD STEWART BURRIER, M.S., Associate Economist (Farm Management).

Home Economics

- MAUD MATHES WILSON, A.M., Home Economist.

Horticulture

- WALTER SHELDON BROWN, D.Sc., Horticulturist in Charge.
ARTHUR GEORGE BRISTOW BOUQUET, M.S., Horticulturist (Vegetable Crops).
ERNEST HERMAN WIEGAND, B.S.A., Horticulturist (Horticultural Products).
HENRY HARTMAN, M.S., Horticulturist (Pomology).

CARL EPHRAIM SCHUSTER, M.S., Horticulturist, United States Department of Agriculture.

GEORGE FORDYCE WALDO, M.S., Assistant Pomologist, Department of Horticulture.

BLISS F. DANA, M.S., Pathologist (Horticultural Crops and Diseases), United States Department of Agriculture.

JAMES CECIL MOORE, M.S., Assistant Horticulturist (Pomology).

FREDERICK ALEXANDER CUTHBERT, M.L.D., Assistant Landscape Architect.

BARZILLAI STEWART PICKETT, M.S., Assistant Horticulturist (Pomology).

Plant Pathology

HOWARD PHILLIPS BARSS, S.M., Plant Pathologist.

SANFORD MYRON ZELLER, Ph.D., Plant Pathologist.

FLOYD DOUGLAS BAILEY, M.S., Associate Plant Pathologist, United States Department of Agriculture.

LESLIE NEWTON GOODING, B.A., B.S., Associate Pathologist, United States Department of Agriculture.

FRANK PADEN MCWHORTER, Ph.D., Pathologist.

PAUL WILLIAM MILLER, Ph.D., Associate Pathologist, United States Department of Agriculture.

GODFREY RICHARD HOERNER, M.S., Agent, United States Department of Agriculture.

THEODORE DYKSTRA, M.S., Assistant Plant Pathologist, United States Department of Agriculture.

ALBERT RODERICK SPRAGUE, JR., Ph.D., Assistant Pathologist, United States Department of Agriculture.

HORACE HANNA MILLSAP, Agent, Bureau of Plant Industry, United States Department of Agriculture.

Poultry Husbandry

ALFRED GUNN LUNN, B.S., Poultry Husbandman in Charge.

FRANK LESTER KNOWLTON, M.S., Poultry Husbandman.

FRANK ELMER FOX, M.S., Associate Poultry Husbandman.

Publications and News Service

CHARLES DAVID BYRNE, M.S., Head of Informational Service.

EDWIN THOMAS REED, B.S., A.B., Editor of Publications.

DELMER MORRISON GOODE, B.A., Associate Editor of Publications.

JOHN COLE BURTNER, B.S., Associate in News Service.

Soil Science

WILBUR LOUIS POWERS, Ph.D., Soil Scientist in Charge.

CHARLES VLADIS RUZEK, M.S., Soil Scientist (Fertility).

MORTIMER REED LEWIS, C.E., Irrigation and Drainage Engineer, Bureau of Agricultural Engineering, United States Department of Agriculture.

ROSCOE ELMO STEPHENSON, Ph.D., Associate Soil Scientist.

EDWARD FRITCHOFF TORGERSON, B.S., Assistant Soil Scientist (Soil Survey).

Veterinary Medicine

BENNETT THOMAS SIMMS, D.V.M., Veterinarian in Charge.

WALTER THEODORE JOHNSON, D.V.M., Poultry Pathologist.

JAMES NIVEN SHAW, D.V.M., Assistant Veterinarian.

ROBERT JAY, D.V.M., Associate Veterinarian, Bureau of Animal Industries, United States Department of Agriculture.

ERNEST MILTON DICKINSON, D.V.M., Assistant Poultry Pathologist.

FONSIE MARION BOLIN, D.V.M., Assistant Veterinarian, Agricultural Experiment Station; Cooperative Agent, United States Department of Agriculture.

OTTO HERBERT MUTH, D.V.M., Assistant Veterinarian, Agricultural Experiment Station; Cooperative Agent, United States Department of Agriculture.

OWEN LESTER SEARCY, B.S., Technician in Veterinary Medicine.

Branch Stations

DAVID EDMUND STEPHENS, B.S., Superintendent, Sherman County Branch Experiment Station, Moro; Senior Agronomist, United States Department of Agriculture.

LEROY CHILDS, A.B., Superintendent, Hood River Branch Experiment Station, Hood River.

FRANK CHARLES REIMER, M.S., Superintendent, Southern Oregon Branch Experiment Station, Talent.

DALE EVERETTE RICHARDS, B.S., Superintendent, Eastern Oregon Branch Experiment Station, Union.

HAROLD KARL DEAN, B.S., Superintendent, Umatilla Branch Experiment Station, Hermiston.

OBEL SHATTUCK, M.S., Superintendent, Harney Valley Branch Experiment Station, Burns.

ALBERT EDWARD ENGBRETSON, B.S., Superintendent, John Jacob Astor Branch Experiment Station, Astoria.

GEORGE ADAMSON MITCHELL, B.S., Acting Superintendent, Pendleton Field Station, Pendleton; Assistant Agronomist, Division of Dry Land Agriculture, United States Department of Agriculture.

GORDON GEORGE BROWN, A.B., B.S., Horticulturist, Hood River Branch Experiment Station, Hood River.

ARCH WOKK, B.S., Associate Irrigation Engineer, Bureau of Agricultural Engineering, United States Department of Agriculture.

WILLARD WALKER ALDRICH, Ph.D., Assistant Horticulturist, Bureau of Plant Industry, United States Department of Agriculture.

LOUIS GUSTAVE GENTNER, M.S., Associate Entomologist, Southern Oregon Branch Experiment Station, Talent.

JAMES FOSTER MARTIN, M.S., Junior Agronomist, Division of Cereal Crops and Diseases, United States Department of Agriculture.

MERRILL MAHONRI OVESON, M.S., Assistant to Superintendent, Sherman County Branch Experiment Station, Moro.

ROBERT BILLINGS WEBB, B.S., Junior Agronomist, United States Department of Agriculture, Sherman County Branch Experiment Station, Moro.

ROY EMERY HUTCHISON, B.S., Assistant to Superintendent, Harney Valley Branch Experiment Station, Burns.

DOUGLAS GRAYSON GILLESPIE, M.S., Assistant Entomologist, Hood River Branch Experiment Station, Hood River.

OREGON State Agricultural Experiment Station was organized July 2, 1888, in accordance with the Act of Congress of 1887 known as the Hatch Act. The Experiment Station includes the Home Station at Corvallis and nine branch stations advantageously located in such a way as to cover the varying agricultural conditions of Oregon.

The Home Station. At the Home Station about 900 acres of land are used by the College and Station workers engaged in the scientific investigation of problems presented by the different branches of agriculture. The Station includes the following departments: Agricultural Economics, Agricultural Engineering, Animal Husbandry, Bacteriology, Chemistry, Dairy Husbandry, Entomology, Farm Crops, Farm Management, Home Economics, Horticulture, Plant Pathology, Poultry Husbandry, Soils, and Veterinary Medicine.

The scientific investigations of the Station Staff strongly support the instruction given in the classroom and through the Extension Service. Aside from the original investigations of economic significance to agriculture, the work affords daily object lessons in modern farm methods. To the students in the various fields of study the value of the investigative work can hardly be overestimated. To the state, from the point of view of economic progress, its value has been greater, in the estimation of many people, than the entire cost of the College to the commonwealth. The work of the Experiment Station is fundamental in the agricultural development of the state. Oregon's soil and climatic conditions present many problems that are unique and that must be solved before the state can develop its great potential agricultural wealth.

The Branch Stations. The nine branch stations located at Astoria, Burns, Hermiston, Hood River, Medford, Moro, Talent, Union, and Pendleton conduct experiments on the major agricultural problems of their respective agricultural sections of the state.

The John Jacob Astor Branch Experiment Station. The major problems under investigation at this station are dairying, improvement of farm crops, soil fertility, and soil management for Coast conditions and the drainage, improvement, and cultivation of tide-lands.

Committee on Appreciation of Nature and Art

CLARENCE V. BOYER, Chairman

EDMUND S. CONKLIN

NOWLAND B. ZANE

ROBERT H. SEASHORE

RALPH W. LEIGHTON

JOHN J. LANDBURY

ERNEST G. MOLL

CARL L. HUFFAKER

L. KENNETH SHUMAKER

JOHN H. MUELLER

Committee on Laboratory Procedure

RALPH W. LEIGHTON, Chairman

RALPH R. HUESTIS

ROBERT H. SEASHORE

ROSALIND WULZEN

EARL L. PACKARD

W. DONALD WILKINSON

ALL activities of a research or technological nature which deal with problems concerning the University of Oregon are in charge of the Institutional Research Bureau. These activities at present include the work of the Committee on College Teaching, the Committee on Appreciation of Nature and Art, the Committee on Laboratory Procedure, the Personnel Research Bureau, and the Housing Survey. The committee in charge consists of specialists in each of the fields of activity falling under institutional research, including at present representatives from the registrar's office, the statistician's office, the administration offices, the personnel department, and the Committee on College Teaching. The bureau acts as an organizing, planning, overseeing, and coordinating body concerning all research needs and activities which deal with institutional affairs. The Committee on College Teaching, the Committee on Laboratory Procedure, the Committee on Appreciation of Nature and Art, the Personnel Research Bureau, and the Housing Survey are functioning sub-units.

The Commonwealth Service Council

JAMES H. GILBERT, Chairman

PERCY P. ADAMS

WILLIAM G. BEATTIE

CLARENCE V. BOYER

PHILIP A. PARSONS

Bureau of Business Research

HARRISON V. HOYT, Chairman

ORIN K. BURRELL

EDWARD B. MITTELMAN

Bureau of Educational Research

CARL L. HUFFAKER, Chairman

FRED L. STETSON

VICTOR P. MORRIS

Municipal Reference Bureau

CALVIN CRUMBAKER, Chairman

GUY S. CLAIRE

PHILIP A. PARSONS

THIS council surveys the possibilities of research of the public service type, stimulates interest in this type of research, and promotes the University research program which deals with public service. It is the duty of this council to select research projects and problems which are meritorious and to assign them to the various men, bureaus, or committees most capable of handling them. These men, bureaus, and committees are in turn responsible to the Commonwealth Service Council for supervision and reports on progress of the research. It is felt that this Council should have a broad, comprehensive grasp of the needs and the possibilities that may be met by research service of this type, and the power of organizing and planning of such research is placed entirely in the hands of the Council. The Bureau of Business Research, Bureau of Educational Research, Municipal Reference Bureau, and the Social Science Service Committee are functioning sub-units.

The Engineering Experiment Station

HARRY STANLEY ROGERS, C.E., Director of the Engineering Experiment Station.

SAMUEL HERMAN GRAF, M.S., Director of Engineering Research.

FREDERICK GOTTLIEB BAENDER, M.M.E., Mechanical Engineering.

GEORGE WALTER GLEESON, B.S., Chemical Engineering.

BURDETTE GLENN, M.S., Civil Engineering.

CHARLES SAMUEL KEEVIL, Sc.D., Chemical Engineering.

FRED ORVILLE McMILLAN, M.S., Electrical Engineering.

FRED MERRYFIELD, M.S., Sanitary Engineering.
CHARLES ARTHUR MOCKMORE, M.S., Hydraulic Engineering.
WILLIAM HOWARD PAUL, B.S., Mechanical Engineering.
EUGENE CARL STARR, B.S., Electrical Engineering.
ROBERT EDWARD SUMMERS, B.S., Mechanical Engineering.
CHARLES EDWIN THOMAS, M.M.E., Mechanics and Materials.

Research Fellow

HOWARD GLENN BARNETT, B.S., Electrical Engineering.

Technical Counselors

CLAIR VAN NORMAN LANGTON, D.P.H., Technical Counselor in Sanitary Engineering.
CONDE BALOOM MCCULLOUGH, M.S., Technical Counselor in Structural Engineering.

BY act of the Board of Regents of the State College on May 4, 1927, the Engineering Experiment Station was established at Corvallis to serve the state in a manner broadly outlined by the following policy: (1) To serve the industries, utilities, professional engineers, public departments, and engineering teachers by making investigations of significance and interest to them. (2) To stimulate and elevate engineering education by developing the research spirit in faculty and students. (3) To publish and distribute through bulletins, circulars, and technical articles in periodicals the results of such studies, surveys, tests, investigations, and researches as will be of greatest benefit to the people of Oregon, and particularly to the state's industries, utilities, and professional engineers.

The Engineering Experiment Station is an integral part of the School of Engineering. All staff members and laboratory facilities of the Engineering School are available for the investigational work of the Station to the extent of the sums allocated or contributed for their operation and support. Much of the work of the Station has been made possible by the assistance of industries and state and national associations. The dean of engineering is director of the station and the heads of the various major departments function as a council ex-officiis. The director of research acts as a technical counselor upon investigational work and as engineering editor of publications. The active staff is composed of members of the instructional staff who may be interested in various specific research projects and research fellows who are pursuing graduate study and are assigned to half-time work in the Station. Experts who are especially qualified by training and experience to advise upon the investigations in certain fields have also been appointed to the staff as special technical counselors. Some technical assistants have been supported by manufacturers and industrial associations interested in working out specific problems.

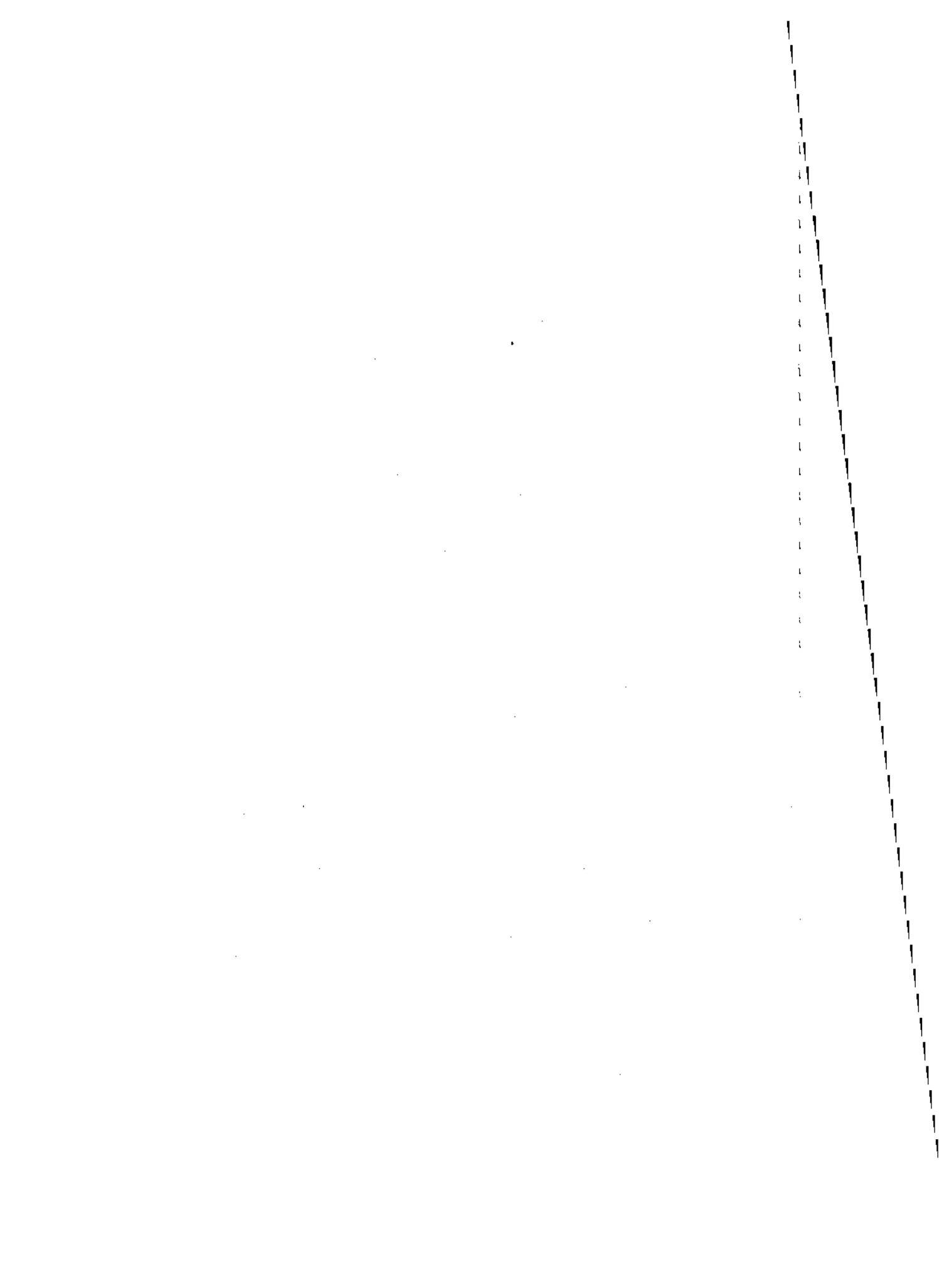
Medical Research

CHARLES ULYSSES MOORE, M.D., Director of Nutritional Research Laboratory.
ALICE M. BAHRS, Ph.D., Research Assistant in Nutritional Research Laboratory.

HAVING as its purpose the biologic investigation of the nutritional causes of morbidity and mortality, the nutritional research laboratory is maintained at the Medical School by private donations for salaries, equipment, supplies, and maintenance. One full-time worker and student assistants as required for the 1000-rat colony are studying foods and food factors involved in the production of healthful and of pathological conditions—e.g., vitamins, minerals and other elements; histo-pathologic findings on necropsy material, bacteriologic and chemical studies.

Part IV

Extension



Extension

THROUGH extension the benefits of all the state institutions of higher education are brought to the people of the state in their own communities. All divisions of the state system of higher education seek through every means possible, so far as resources and facilities permit, to serve the entire state. All extension activities of the several institutions are administered through two great coordinated extension services: the General Extension Division and the Federal Cooperative Extension Service. The latter includes all extension activities carried on jointly with the Federal government.

The General Extension Division

ALFRED POWERS, A.B., Director of General Extension and Summer Sessions.

DAN ELBERT CLARK, Ph.D., Assistant Director of General Extension and Summer Sessions.

MARY E. KENT, B.A., Secretary of General Extension.

MARGARET M. SHARP, Secretary of the Portland Extension Center.

HILDA COOPER, B.A., Secretary of the Summer Sessions.

ALFRED POWERS, A.B., Professor of Journalism.

MABLE HOLMES PARSONS, A.M., Professor of English, General Extension Division.

WALLACE LADUE KADDERLY, B.S., Manager, Radio Station KOAC.

DAN ELBERT CLARK, Ph.D., Professor of History.

ALEXANDER GOLDENWEISER, Ph.D., Professor of Thought and Culture, General Extension Division.

FRANCOIS MIRON WARRINGTON, Diplome de l'Universite de Paris, Professor of Romance Languages, General Extension Division.

WILLIAM GILBERT BEATTIE, A.B., Associate Professor of Education; Head of Department of Social Welfare, General Extension Division.

CYRUS RIPLEY BRIGGS, B.S., Director of Agricultural Programs, Station KOAC.

URIEL SELLERS BURT, Head of Department of Visual Instruction, General Extension Division.

PHILIP WOOD JANNEY, A.B., C.P.A., Assistant Professor of Business Administration, General Extension Division.

MOZELLE HAIR, B.A., Head of Correspondence Study, General Extension Division; Assistant Professor of Sociology.

ZELTA FEIKE RODENWOLD, M.S., Director of Home Economics Radio Programs, Station KOAC.

PERCY MEREDITH COLLIER, LL.B., Assistant Professor of English, General Extension Division.

HELEN MILLER SENN, B.A., Instructor in Public Speaking, General Extension Division.

GRANT STEPHEN FEIKERT, M.S., Chief Operator, Station KOAC.

MARGARET CLARKE, M.A., Instructor in English.

THE General Extension Division of the Oregon State System of Higher Education is that agency of the University of Oregon, Oregon State Agricultural College, and the three Oregon Normal Schools which serves the people of the state with formal instruction in extension classes, correspondence study, and adult education through visual instruction, municipal service, radio, and social welfare. Its work is organized into the following departments:

At Eugene—

Correspondence Study
Social Welfare
State-Wide Extension Classes
Municipal Service

At Corvallis—

Visual Instruction
Radio

At Portland—

The Portland Extension Center

A State-Wide Campus. Through the General Extension Division the curricula, personnel, and facilities of all the state institutions of higher education are made available in some degree to every citizen, group, and community in Oregon. The activities of the General Extension Division are carried on in close cooperation with those of the Federal Cooperative Extension Service and all other organized service agencies in the state.

Portland Extension Center. General Extension in Portland is carried on through the Portland Extension Center. Nearly one hundred evening, late afternoon, and Saturday morning classes in twenty-four different departments and professional schools are available during the academic year 1932-33. The work of these classes is of standard college or university grade. The courses are intended for persons who, because of preoccupation with bread winning or with home making, or for other reasons, cannot attend college. In these classes residence credit may be earned at the University, the State College, or the normal schools. Courses are offered in the Portland Extension Center carrying graduate credit at both the

University and the State College. For detailed information concerning the Portland Extension Center see special bulletin containing announcements for 1932-33.

Visual Instruction. Visual Instruction service includes glass and film slides, microscopic slides, and motion picture films usable for educational purposes by schools, community clubs, and other appropriate organizations.

A special catalog is published listing the material available.

Radio Station KOAC. The state radio station, first opened in 1925, is operated entirely in the interest of the Oregon public. Programs broadcast by station KOAC are arranged by the General Extension Division and are entirely free from commercialism.

The radio service is used as a means of extending throughout the state the benefits of the varied activities of all the state institutions of higher education. KOAC operates with 1,000 watts power on a frequency of 550 kilocycles by authority of the Federal Radio Commission.

The Summer Sessions. The summer sessions, although a phase of resident instruction since the summer sessions are centered on the several campuses, are administered under the General Extension Division.

The 1932 summer sessions included regular six-week sessions at Eugene, Corvallis, and Portland (Portland Extension Center), offering undergraduate and graduate courses, with a post session of one month at Eugene, and twelve-week sessions at the three normal schools, divided into two divisions of six weeks each.

For information concerning the summer sessions of 1933 see separate bulletins.

Federal Cooperative Extension

PAUL VESTAL MARIS, B.S., Director of Federal Cooperative Extension.

ERNEST ELAM SHANK, Extension Secretary.

Extension Staff at Corvallis

HARRY CASE SEYMOUR, State Leader of 4-H Club Work.

FRANK LEWELLYN BALLARD, B.S., State County Agent Leader.

LEROY BREITHAUPT, B.S., Extension Agricultural Economist.

GEORGE OURY GATLIN, LL.B., Extension Economist in Marketing.
OVID TULLIUS McWHORTER, B.S., Extension Horticulturist.
CLARIBEL NYE, M.A., State Leader of Home Economics Extension.

HELEN JULIA COWGILL, M.A., Assistant State Club Leader.
LEONARD JOHN ALLEN, M.S., Assistant State 4-H Club Leader.
HUBERT ELMER COSBY, Extension Poultryman.
HARRY ARTHUR LINDGREN, B.S., Extension Animal Husbandman.
WILLIAM LeROY TEUTSCH, B.S., Assistant County Agent Leader.
EDWIN RUSSELL JACKMAN, B.S., Extension Agronomist.
ROGER WILLIAM MORSE, B.S., Extension Dairyman.
AZALEA LINFIELD SAGER, M.A., State Specialist in Clothing.

LUCY ADA CASE, M.A., Extension Specialist in Nutrition.
HAROLD H. WHITE, B.S., Assistant Agricultural Economist.

ARTHUR SOLOMON KING, M.S., Extension Specialist in Soils.

County Extension Agents

HERBERT BADOLLET HOWELL, B.S., County Agricultural Agent, Josephine County.
CHARLES ALBERT HENDERSON, B.S., County Extension Agent, Klamath County.
OTTIS SCHULER FLETCHER, M.S., County Agent, Lane County.
WALTER ARMAND HOLT, B.S., County Agent, Umatilla County.

SYLVESTER BENJAMIN HALL, B.S., County Agent, Multnomah County.
WILLIAM BENJAMIN TUCKER, County Agricultural Agent, Crook County.

HARRY GRANT AVERY, B.S., County Agricultural Agent, Union County.
GEORGE ALLEN NELSON, B.S., County Agricultural Agent, Columbia County.
PHILIP TUTTILL FORTNER, B.S., County Extension Agent, Baker County.
ROBERT GREY FOWLER, B.S., County Agricultural Agent, Jackson County.
JAMES RALPH BECK, B.S., County Agent, Polk County.
JOHN JERRY INSKEEP, B.S., County Extension Agent, Clackamas County.
JAY CLARK LEEDY, B.S., County Agricultural Agent, Douglas County.

DAVID HONORE KENNEDY, B.S., County Club Agent, Tillamook County.
SARA HUNTINGTON WERTZ, B.S., Home Demonstration Agent, Josephine County.

- LYLE PORTER WILCOX, B.S., County Agricultural Agent, Jackson County.
MELVIN J. CONKLIN, B.S., County Agricultural Agent, Lincoln County.
SOLON TAYLOR WHITE, B.S., County Agent, Yamhill County.
NOBLE CLARK DONALDSON, B.S., County Agent, Wallowa County.
CHARLES WESLEY SMITH, B.S., County Agricultural Agent, Morrow County.
RAYMOND GILBERT LARSON, B.S., County Agent, Malheur County.
RICHARD CARL KUEHNER, B.S., County Club Agent, Lane County.
ARCHIE LEE MARBLE, B.S.A., County Agricultural Agent, Hood River County.
SARAH VINEYARD CASE, M.S., Home Demonstration Agent, Columbia County.
MABEL CLAIR MACK, B.S., Home Demonstration Agent, Jackson County.
WILLIAM FLETCHER CYRUS, B.S., County Agricultural Agent, Washington County.
WILBUR WRAY LAWRENCE, B.S., County Agricultural Agent, Wasco County.
VICTOR WALDEMAR JOHNSON, B.S., County Agricultural Agent, Lake County.
FRANK WILLIAM SEXTON, County Club Agent, Klamath County.
JAMES ROLAND PARKER, M.S., County Club Agent; Assistant County Agent, Douglas County.
GEORGE HERRICK JENKINS, B.S., County Agricultural Agent, Coos County.
RAY GEORGE JOHNSON, B.S., County Agricultural Agent, Grant County.
LEROY CLINTON WRIGHT, B.S., County Club Agent, Clackamas County.
CLAY CARL MILLER, B.S., County Club Agent, Multnomah County.
GERTRUDE LONETTE SKOW, B.S., Home Demonstration Agent, Lane County.
ROBERT MYRON KNOX, B.S., Assistant County Agent, Coos-Curry Counties.
WILLIAM SAMUEL AVERILL, B.S., County Agent, Benton County.
FRANCES ANN CLINTON, M.S., Home Demonstration Agent, Multnomah County.
THELMA CHARLOTTE GAYLORD, B.S., Home Demonstration Agent, Clackamas County.
ERNEST MILLARD HAUSER, B.S., Assistant County Agent, Klamath County.
GUSTAVE YNGVE HAGGLUND, B.S., County Agricultural Agent, Deschutes County.
GARNET DOUGLAS BEST, B.S., Assistant County Agent, Umatilla County.
ELIZABETH VANCE, B.S., Home Demonstration Agent, Deschutes County.
JOSEPH BELANGER, Assistant County Agent, Washington County.
CHESTER HAROLD BERGSTROM, B.S., County Agent, Tillamook County.
RUSSEL MELVILLE MCKENNON, B.S., Assistant County Agent, Malheur County.
CLIFFORD LOVEJOY SMITH, M.S., County Agricultural Agent, Clatsop County.

FEDERAL Cooperative Extension, closely coordinated with the work of the General Extension division, performs one of the three great functions of Oregon State Agricultural College, which include: resident instruction, research and experimentation, and college extension. The Extension Service is charged with the duty of extending the benefits,

advantages, and available information of the College and of the United States Department of Agriculture to every portion of the state and to all those persons who for any reason are unable to come to the College.

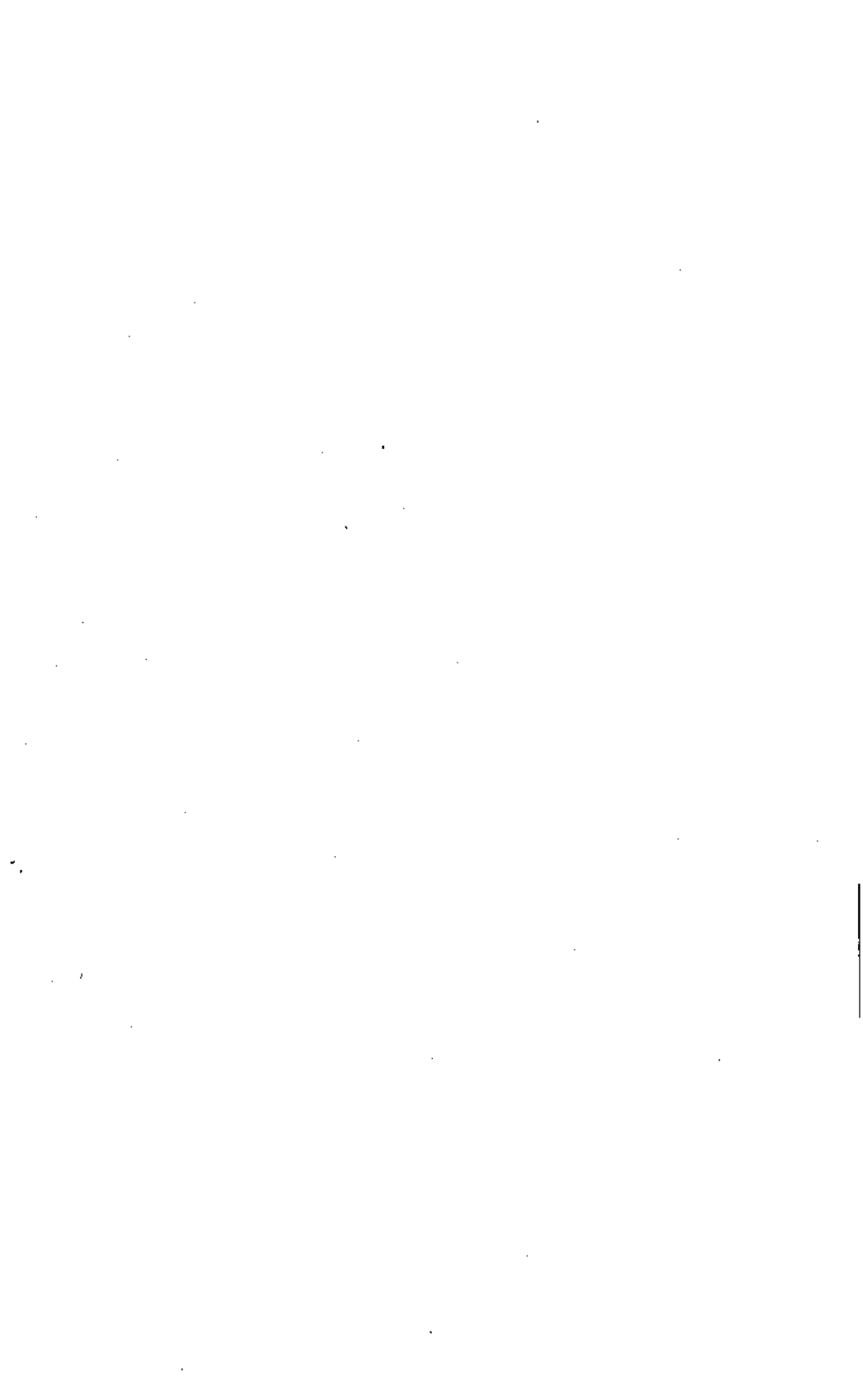
The Farm and Home Interests of Oregon. The Extension Service includes all forms of cooperative off-campus instruction and assistance in those subjects in the College curriculum which lend themselves to extension methods or which can be taken and adapted to the direct needs of the people of the state. The various extension activities are the means through which information, instruction, assistance, and methods of self-help are carried to all persons who desire them at any point within the state. In brief, the Extension Service represents the medium, both independently and in hearty cooperation with all other organized forces of betterment, for enlarging and enriching the agricultural and home interests of Oregon. No county, town, hamlet, farm, or home need be without some evidence of this service.

Extension Projects. In order to assure the maximum of efficiency, extension work is conducted on the basis of definitely planned projects. These require approval by the proper College authority and the Secretary of the United States Department of Agriculture before federal funds are made available.

The several distinct lines of work now covered by written projects, from which the citizens of some portion of the state are receiving benefit, include:

- (1) General Administration and Organization of the Extension Service.
- (2) Field Meetings.
- (3) County Agricultural Agent Service.
- (4) Home Demonstration Work.
- (5) Nutrition.
- (6) Four-H Club Work.
- (7) Soils.
- (8) Horticulture.
- (9) Animal Husbandry.
- (10) Dairy Husbandry.
- (11) Poultry Husbandry.
- (12) Agronomy.
- (13) Agricultural Economics, including Marketing and the Collection and Dissemination of Agricultural Statistical Information.
- (14) Rodent Control.
- (15) Preparation, Printing, and Distribution of Bulletins.
- (16) Home Management.
- (17) Visual Education, including chart service, lantern slides, motion pictures.
- (18) Clothing and Textiles.

It should not be assumed that these projects cover the only problems of importance within the state. It is the purpose to put into operation and to emphasize those lines of Extension Service that are fundamental to large and important interests of farm or home welfare, or to material agricultural development.



Part V
Miscellaneous

Alumni Association Officers

ASHLAND: SOUTHERN OREGON NORMAL SCHOOL

HARRY MAY, '29, North Bend, Oregon.....	President
LOLA TALBOT, '28, Ashland, Oregon.....	Secretary
AUBREY HAAN, '28, Riverton, Oregon.....	First Vice-president
WILMA HOWARD, '29, Culver, Oregon.....	Second Vice-president
ISABELLE SILVER, '29, Klamath Falls, Oregon.....	Third Vice-president

CORVALLIS: OREGON STATE AGRICULTURAL COLLEGE

C. A. DUNN, '11, Klamath Falls, Oregon.....	President
CHARLES REYNOLDS, '13, La Grande, Oregon.....	Vice-president
DAVID A. WRIGHT, '08, Salem, Oregon.....	Treasurer
EDWARD C. ALLWORTH, '16, Corvallis, Oregon.....	Secretary
DON W. HOLGATE, '97, Trust Department, United States National Bank, Portland, Oregon.....	Director
ARTHUR K. BERMAN, '07, Corvallis, Oregon.....	Director
R. EARL RILEY, '12, City Hall, Portland, Oregon.....	Alumni Members Memorial Union Board of Governors
PERCY A. CUPPER, '04, Salem, Oregon.....	
E. E. WILSON, '89, Corvallis, Oregon.....	
ROY R. CLARK, '09, 609 Railway Exchange Building, Port- land, Oregon.....	
JAY M. REYNOLDS, '10, Corvallis, Oregon.....	Alumni Member Board of Control
J. F. PORTER, '12, Corvallis, Oregon.....	Alumni Member Memorial Union Board of Directors

EUGENE: UNIVERSITY OF OREGON

HOMER ANGELL, '00, 611 Irving Street, Portland, Oregon.....	President
JOE FRECK, '31, 185 Sixth Street, Portland, Oregon.....	Vice-president
*JEANNETTE CALKINS, '18, 588 11th Avenue West, Eugene, Oregon.....	Secretary-treasurer
ALEXANDER G. BROWN, '22, 811 N. E. Brazee Street, Portland, Oregon.....	Secretary-treasurer
HENRYETTA LAWRENCE, '24, 557 Buena Vista Drive, Portland, Oregon.....	Director
MRS. GEORGIA BENSON PATTERSON, '24, 977 First Street, Hillsboro, Oregon.....	Director
DONALD L. WOODWARD, '27, 213 Fifth Street, Portland, Oregon.....	Director
*Resigned May, 1932.	

LA GRANDE: EASTERN OREGON NORMAL SCHOOL

EMMETT GRAY, '31, Mitchell, Oregon.....	President
BETHMYRL MILLER, '31, La Grande, Oregon.....	Secretary

MONMOUTH: OREGON NORMAL SCHOOL

N. A. BAKER, '17, 343 E. 46th Street, Portland, Oregon.....	President
J. H. V. BUTLER, '84, Monmouth, Oregon.....	Executive Secretary
IRA C. POWELL, '87, Monmouth, Oregon.....	Treasurer
BLANCHE RADLEY, '29, Monmouth, Oregon.....	Secretary

PORTLAND: UNIVERSITY OF OREGON MEDICAL SCHOOL

1930-31

DR. H. H. FOSKETT, Medical Arts Bldg., Portland, Oregon.....	President
DR. IVAN M. WOOLLEY, Medical Arts Bldg., Portland, Oregon.....	First Vice-president
DR. ARTHUR F. MARTIN, Enterprise, Oregon.....	Second Vice-president
DR. A. G. BETTMAN, Medical Arts Bldg., Portland, Oregon.....	Third Vice-president
DR. ROBERT J. PILKINGTON, 360 Commercial St., Astoria, Oregon.....	Fourth Vice-president
DR. CLAUDE A. LEWIS, Weatherly Bldg., Portland, Oregon.....	Secretary
*KITTY PLUMMER GRAY, 39 Royal Court, Portland, Oregon.....	Treasurer

*Completing unexpired term of Dr. David H. Rand, deceased.

1931-32

DR. IVAN M. WOOLLEY, Medical Arts Bldg., Portland, Oregon.....	President
DR. CLAUDE A. LEWIS, Weatherly Bldg., Portland, Oregon.....	First Vice-president
DR. C. D. DONAHUE, 130 E. Broadway, Eugene, Oregon.....	Second Vice-president
DR. JOHN BROUGHNER, Arts Bldg., Vancouver, Washington.....	Third Vice-president
DR. J. B. BILDERBACK, Medical Arts Bldg., Portland, Oregon.....	Fourth Vice-president
DR. WILFORD H. BELKNAP, Medical Dental Bldg., Portland, Oregon.....	Secretary
DR. J. V. STRAUMFJORD, 611 Lovejoy Street, Portland, Oregon.....	Treasurer

1932-33

DR. CLAUDE A. LEWIS, Weatherly Bldg., Portland, Oregon.....	President
DR. LEO S. LUCAS, Medical Dental Bldg., Portland, Oregon.....	First Vice-president
DR. CARL HOFFMAN, Woodland, Washington.....	Second Vice-president
DR. RALPH MATSON, Stevens Bldg., Portland, Oregon.....	Third Vice-president
DR. FRANK J. CLANGY, 1215 4th Avenue, Seattle, Wn.....	Fourth Vice-president
DR. WILFORD H. BELKNAP, Medical Dental Bldg., Portland, Oregon.....	Secretary
DR. J. V. STRAUMFJORD, 611 Lovejoy Street, Portland, Oregon.....	Treasurer

List of Abbreviations

The classification of students enrolled on the several campuses (pages 619-700) is indicated by the following abbreviations: A, Agriculture; a, Auditor; AA, Architecture and Allied Arts; AS, Applied Social Science; BAd, Business Administration; Bi, Biology; BSc, Biological Science; C, Commerce; CE, Civil Engineering; Ch, Chemistry at Eugene, Chemical Engineering at Corvallis; E, Engineering; Ec, Economics; Ed, Education; EE, Electrical Engineering; Eng, English; F, Forestry; G, General; Geo, Geology; Ger, German; Gr, Greek; H, Home Economics; Hst, History; IA, Industrial Arts; J, Journalism; L, Law; Lat, Latin; LL, Language and Literature; M, Mines; ME, Mechanical Engineering; MS, Military Science; Mus, Music; n, non-degree student; O, Optional; P, Pharmacy; PE, Physical Education; Ph, Physics; Phil, Philosophy; PhS, Physical Science; PL, Pre-Law; PS, Political Science; Psy, Psychology; RL, Romance Languages; S, Special; Soc, Sociology; SSC, Social Science; V, Vocational Education; 1, Freshman; 2, Sophomore; 3, Junior; 4, Senior. In the case of Normal Schools 1 indicates first-year student; 2, second-year student; 3, special student at Ashland, postgraduate at Monmouth.

Enrollment by Campuses*

Ashland: Southern Oregon Normal School

ENROLLMENT 1931-32

Adams, Margaret, 1	Prineville	Bonham, May, 1	Talent
Adams, Mary Anne, 1	Ashland	Booth, Claire, 1	Myrtle Point
Adamson, David, 1	Myrtle Creek	Booth, Frances, 1	Myrtle Point
Adamson, Mary, 2	Ashland	Boring, William, 1	Florence
Adamson, Rex, 1	Myrtle Creek	Bostrack, Mamie, 2	Salem
Aikins, June, 1	Ashland	Bothwell, Rose, 2	Gold Beach
Aikins, Paul, 1	Ashland	Bowman, Alice, 2	Talent
Amidon, Gene, 1	Medford	Bowman, Marjorie, 1	Merrill
Anderson, Alice, 1	Ashland	Brattain, Edgar, 1	Cushman
Anderson, Graydon, 1	Coquille	Brewold, Earl, 1	Medford
Anderson, Harold, 1	Medford	Brewold, Irene, 1	Medford
Anderson, Lucille, 1	Ashland	Brogan, Helen, 1	Lakeview
Anderson, Ruth, 2	North Bend	Broughton, Dora, 1	Roseburg
Anderson, Venita, 1	Medford	Brown, Earle A., 1	Medford
Andrews, Ethel, 2	Gridley, Calif.	Brown, Jay, 1	Ashland
Andrus, Cleone Insko, 1	Roseburg	Brown, Kenneth, 1	Ashland
Angstead, Helen, 2	Lakeview	Brown, Rachel, 1	McKinley
Angus, Virginia, 2	Marshfield	Brown, Ross, 2	Coquille
App, Mary, 2	Klamath Falls	Brown, Wanda, 1	Powers
Arant, Echo, 1	Dairy	Bullard, Lealy, 1	Bullards
Arant, Howard, 1	Prospect	Bullard, Marjorie, 1	Bullards
Arant, Lucille, 1	Jacksonville	Bunch, Marian, 1	Fort Klamath
Armstrong, Mrs. Nettie, 1	Ruch	Burnette, Eulah, 2	Turlock, Calif.
Arne, Glen, 1	Cottage Grove	Burr, Elizabeth, 2	Medford
Arthur, Faye, 1	Marshfield	Buyers, Ray, 2	Ashland
Ashcraft, Ruth, 1	Ashland	Bynum, Hazel, 1	Ashland
Atkins, Mrs. Hazel, 1	Central Point	Byrne, Lorna, 1	Kerby
Atterbury, Clara, 1	Ashland	Cadzow, Jean, 1	Ashland
Bahrke, Iola, 1	Lebanon	Cadzow, Mary, 1	Ashland
Bailey, Zella, 1	Ashland	Cadzow, Robert, 1	Ashland
Baile, Dorothy, 2	Klamath Falls	Calderwood, George, 2	Lakeview
Baird, Helen, 1	Bandon	Caldwell, Maizie, 1	Hillsboro
Baker, Bertha Gigler, 2	Grants Pass	Caldwell, Thomas, 1	Hillsboro
Balding, Jack, 2	Medford	Callahan, Ella, 1	Klamath Falls
Baldwin, Louise, 1	Ashland	Campbell, Charles A., 2	Canyonville
Balis, Jean, 1	Ashland	Campbell, Paul, 1	Canyonville
Balkovich, Mike, 1	Harrisburg	Campbell, Ruth, 2	Bly
Ball, Dorothy, 1	Medford	Carden, Hattie, 2	Ashland
Ballantyne, Ruth, 1	Grants Pass	Carroll, Lota, 2	Lakeview
Barklow, Vera, 1	Myrtle Point	Carter, Elizabeth, 1	Ashland
Barnes, Blanche, 1	Tenmile	Casad, Evelyn, 1	Eugene
Barnes, J. Curtis, 1	Medford	Casebeer, Edwina, 1	Bly
Barnett, Thelma, 1	Salem	Cash, Ruth, 1	Central Point
Barrett, Vincent, 2	St. Helens	Caster, Sybil, 1	Medford
Bartshe, Mary, 2	Payette, Idaho	Chamberlain, Kathleen, 1	Grants Pass
Bateman, Irwanda, 2	Ashland	Chandler, Altha, 2	Sheridan
Beatty, Mary, 1	Ashland	Chaney, Ermil, 2	Days Creek
Beck, Dorothy, 1	Sheridan	Chapman, Wilbur, 1	North Bend
Becker, Clara, 1	Melrose	Christner, Robert, 1	Medford
Beckham, Ara, 2	Bandon	Church, Maybelle, 2	Medford
Beckham, Buel, 1	Bandon	Clafield, Mary, 2	Powell Butte
Beckham, Curtis, 2	Bandon	Clark, May, 1	Riddle
Beckham, Dow, 2	Bandon	Clarke, Clem, 2	Prospect
Beckel, Robert, 1	Ashland	Clarke, Eugene, 1	Trail
Bellinger, Florence, 1	Ashland	Clay, Jane, 1	Klamath Falls
Benson, Frederic, 2	Merrill	Cline, Reuben, 1	Pomona, Calif.
Bergaman, Delbert, 1	Medford	Cline, Thelma, 1	Ashland
Bergman, Joretta, 1	Medford	Coats, Mildred E., 1	Ashland
Biden, Neville D., 1	Medford	Coats, Mildred Q., 2	Tenmile
Bigham, Grace, 1	Central Point	Cochran, Molly, 1	Eugene
Bigham, Ruth, 1	Central Point	Coffin, Mary, 2	Medford
Billings, Ruth, 1	Ashland	Coggins, May, 1	Ashland
Blodgett, Clyde, 1	Blodgett	Cole, Nannie, 1	Wolf Creek
Bloomquist, Violet, 1	Roseburg	Cole, Gladys, 1	Ashland
Boak, Melvin, 1	Bandon	Colver, Eldred, 1	Phoenix
Boardman, Laurene, 1	Bend	Colvig, Fred, 1	Medford
Bogard, Gertrude, 2	Bandon	Conner, Lois, 1	Grants Pass

*See List of Abbreviations, page 618.

Cooper, Pearl, 2	Eugene	Gardner, Bessie, 1	Klamath Falls
Covert, Hester H., 1	Seal Rock	Garoutte, Velma, 2	Bandon
Corthell, Eldon, 1	Ashland	Garrett, Emma G., 2	Toledo, Ohio
Cottrell, William, 1	Phoenix	Gaunt, LaVerne, 1	North Bend
Crockett, Kittie May, 1	Grants Pass	Gaul, Howard, 1	Medford
Crouse, Glen, 1	Lamar, Colo.	Gault, Jerry, 1	Portland
Culbertson, Homer, 2	Ashland	Gavin, Anna, 1	Klamath Agency
Culbertson, Lavida, 1	Central Point	Gearhart, Maxine, 1	Ashland
Culbertson, Paul, 1	Ashland	Gi...ord, Carita, 2	Medford
Culy, Leora, 1	Jacksonville	Gigler, Julia, 2	Grants Pass
Cunningham, Ruth, 1	Berlin	Goddard, Gareth, 2	Rochester, Wash.
Cutting, Caroline, 2	Crescent City, Calif.	Goddard, Hilda, 1	Reedsport
Danford, Edna, 1	Ashland	Godfrey, Leonora, 1	Roseburg
Darneille, Don, 1	Medford	Goheen, Edna, 1	Ashland
Daugherty, Jeanne, 2	Portland	Goldin, Clara H., 1	Medford
Daugherty, Leona, 1	Medford	Goodrich, Grace Farham, 1	Willamina
Daugherty, William, 1	Medford	Gordon, Lucille, 2	Fort Klamath
Davidson, Bernice, 2	Prineville	Graham, Mary, 1	Ashland
Davies, Mary, 2	Ashland	Gray, Earl, 1	Medford
Davis, Lizzie, 1	Ashland	Greene, Edris, 2	Portland
Davis, Miriam, 2	Payette, Idaho	Gries, Eva, 2	Portland
Davison, Florence, 2	Oakland	Grossman, Dorothy, 1	Ashland
Davison, Frances, 2	Oakland	Guy, Raynor, 1	Medford
Day, Ben, 1	Gold Hill	Hagen, Maxine, 1	Medford
Day, John, 1	Gold Hill	Hall, Evelyn, 1	Bend
Deal, Susanna, 1	La Grande	Hall, J. Frank, 1	Ashland
Dewey, Winifred, 2	Main	Hamaker, J. C., 1	Ashland
Dick, Kathryn, 1	New Pine Creek	Hamilton, Margaret, 1	Ruch
Dille, Ralph E., 2	Sheridan	Hanscom, Ruth, 1	Medford
Dillingham, Herbert, 1	Grants Pass	Hansen, Jenny, 1	Grants Pass
Dillon, Bertha, 1	Molalla	Hanson, Louise, 2	Ashland
Dingler, Elsie, 1	Klamath Falls	Hanson, Vida, 2	Ashland
Dizney, Mrs. Marie, 1	Madras	Hare, Janet, 2	Central Point
Dodson, Mabel, 1	Grants Pass	Harper, Maxine, 2	Paisley
Downs, Louise, 1	Talent	Harriman, William, 1	Medford
Duffield, Gordon, 1	Ashland	Harris, Lew, 1	Summer Lake
Dugan, Julia, 1	Medford	Harter, Leland, 2	Rogue River
Dugan, Mildred, 1	Medford	Hartley, Joseph, 2	Talent
Duke, Mildred, 1	Lakeview	Hastings, Pearl, 2	Redondo Beach, Calif.
DuLay, Margaret, 2	Ashland	Hatcher, Mae, 1	Myrtle Point
Duncan, Hazel, 1	Ashland	Hay, Arlene, 1	Central Point
Durham, Leston, 1	Cottage Grove	Hay, David, 2	Silverton
Durland, Marguerite, 1	Bend	Hedgpeh, Merle, 1	Medford
Dykstra, Doris, 2	Halsey	Hedrick, John, 1	Drain
East, Ada, 1	Sams Valley	Hemle, Mrs. Ethel, 1	Portland
Edmiston, James, 1	Medford	Herbert, Russell, 1	Ashland
Edmunson, Iris, 1	Eugene	Herndon, Hubert, 1	Ashland
Ehrke, Florence, 1	Ashland	Herndon, Robert, 1	Ashland
Eitemiller, Harriett, 2	Medford	Hershberger, Merle, 1	Grants Pass
Elle, Irving, 2	Milwaukie	Hess, Frances, 1	Ashland
Elliott, Elmore, 1	North Bend	Heyburn, Harriet, 1	Bend
Ellis, Ellen, 2	Ashland	Hiatt, Freda, 1	Grants Pass
Ellis, Freida, 1	Klamath Falls	Hibbard, Weldon, 2	Molalla
Ellison, Clarence, 2	Portland	Hibbard, Winifred, 2	Molalla
Emery, Maxine, 2	Ashland	Hicks, Florence, 1	La Grande
Engle, Marie, 2	Fort Klamath	Higgbotham, Ruby, 2	Central Point
Erickson, Lydia, 2	Clatskanie	High, Helen, 2	Ashland
Erickson, Melvina, 2	Clatskanie	Hill, Alice, 1	Wilbur
Everett, Adred, 1	Ashland	Hill, Frances, 1	Marshfield
Ferguson, Elva, 1	Ashland	Hill, Josephine, 2	Plush
Ferguson, Jeanne, 1	Medford	Hines, Claude, 1	Baker
Ferns, Edith, 1	Silver Lake	Hitchcock, Dick, 1	Ashland
Ferns, Mona, 1	Phoenix	Hitchcock, Doris, 1	Ashland
Fish, Ethel, 1	Arago	Hitchcock, Marion, 1	Ashland
Fish, Harold, 1	Ashland	Hobbs, Esther Messenger, 1	Medford
Fisk, Marjorie, 2	Medford	Hoffman, Gladys, 1	Central Point
Ford, William, 2	Ashland	Holbrook, Lou, 1	Ashland
Foster, Esther, 1	Powell Butte	Honzik, Helen, 2	Main
Foster, Grace, 1	Yreka	Hood, Ruth York, 2	Medford
Fox, Opal, 1	Modesto, Calif.	Hoon, Bertha, 2	Portland
Franco, Ellen, 2	Ashland	Hornshull, Lorena, 1	Klamath Falls
Freeman, William, 1	Hillsboro	Houdyshell, Wanda, 2	Coquille
French, Restora, 1	Ashland	Houmes, Lilia, 1	Melrose
Fromm, Lex, 1	Sixes	Houston, Iris, 2	Prineville
Fulkerson, Mary L., 2	Salem	Howard, Jewel, 1	Freewater
Gabbreath, Dicie, 1	Rogue River	Howard, Ruth, 1	Hornbrook, Calif.
Gale, Patricia, 1	Prospect	Hubler, Esther, 2	Medford
Galey, Ellen, 1	Ashland	Hultin, Jack, 1	Lenewa

Humble, Mable, 2	Baker	McKirdy, Anna, 1	Yoncalla
Hunnicut, Barbara, 1	Merrill	McLaughlin, Eileen, 1	Roseburg
Hunter, Wm. Lawrence, 1	Ashland	McNeal, R. W., 1	Ashland
Hunsaker, Florence, 2	Ashland	McNeill, Pauline, 1	Medford
Hunsaker, Raymond, 2	Myrtle Creek	McPherson, Evelyn, 2	Myrtle Point
Hussong, Georgiana, 1	Medford	Macullar, Barbara, 2	Ashland
Hynek, Mary, 1	Hillsboro, Wisc.	Magruder, Naoma, 2	Sams Valley
Ice, Agnes, 1	Roseburg	Mahoney, Cornelius, 1	Bend
Igo, Sophia, 1	Pendleton	Mahoney, Nell, 2	Bend
Jakovac, Mary, 1	North Bend	Manciet, Marie, 1	Bandon
Janssen, Christine, 2	Ashland	Naplesden, Crystal, 1	Greenview, Calif.
Jenkins, Alice, 2	McKinley	Marias, Estelle, 2	Portland
Jimmerfield, Alice, 2	Ashland	Marshall, Marjorie, 1	Medford
Janis, Edward, 1	Bend	Marvin, Maxwell, 2	Gold Hill
Jones, Dorothy, 1	Central Point	Mason, Velma, 2	Talent
Jones, Edna, 1	Klamath Falls	Mast, Alice, 2	McKinley
Jones, Ethel, 1	Central Point	Mast, Melbourne, 1	Ashland
Johnson, Alice, 1	Hornbrook, Calif.	Masters, Paul, 2	Talent
Johnson, Frank, 1	Ashland	May, Erna, 1	Ashland
Johnson, Bruce, 1	Reedsport	Mayberry, Viola, 1	Ashland
Johnson, Paul, 1	Rogue River	Meader, Maude, 1	Ashland
Jorgensen, Emma, 1	Corvallis	Mecum, Edith, 2	Remote
Kathas, Melvin, 2	Medford	Melton, Mrs. Maude F., 1	Klamath Falls
Keesee, H. W., 1	Medford	Mercali, Eleanor, 2	Klamath Falls
Keteler, Wilma, 1	Garland, Wyo.	Metz, James, 1	Medford
Keller, Pauline, 2	Hood River	Michell, Ruth Ting, 2	Marshfield
Kelly, Robert, 1	Medford	Miller, Edna, 2	Port Orford
Keltner, Claire, D., 1	Arago	Miller, James, 1	Ashland
Kenyon, Letta, 1	Klamath Falls	Mills, Linn, 1	Hillsboro
Kimball, Laughlyn, 2	Ashland	Minifie, John, 1	Pauline
King, Lotella D., 1	Baker	Moller, Frances, 1	Williams
Kirkey, Lyle, 1	Medford	Moore, James, 1	Medford
Kirkpatrick, Blanche, 1	Medford	Moore, Mabel, 1	Medford
Knoll, Mathilde, 1	Hood River	Moore, Marguerita, 1	Medford
Kramer, Foss, 1	Ashland	Moretz, Fred, 2	Pasco, Wash.
Krauss, Hazel, 1	Myrtle Point	Morgan, Zona Marie, 2	Paisley
Kroeger, Hazel, 1	Myrtle Point	Morse, Anna Mae, 1	Sacramento, Calif.
LaBranche, Faye, 1	Myrtle Point	Mumk, Mary, 2	Portland
Lancaster, Cuna, 2	Bandon	Murphy, Constance, 1	North Bend
Lancaster, Fred, 1	Bandon	Murray, Iva Dobus, 1	Medford
Lancaster, Powell, 1	Bandon	Murray, Lucile, 1	Medford
Lange, Olga, 1	Myrtle Point	Myers, Bonita, 1	Molalla
Langworthy, Catherine, 1	Marshfield	Napier, Jack, 1	Ashland
Lanius, Elizabeth, 1	Prineville	Nashburg, Anne, 2	Marshfield
Lansberry, Charlotte, 2	Grants Pass	Neff, Francis, 2	Medford
Large, Ferne, 2	Brownsville	Neilson, Don, 1	Medford
Larsen, Ernest, 1	Silverton	Neillis, Clyde, 1	Grants Pass
Larsen, Vivian, 1	Ashland	Nelson, Marcella, 1	Medford
Latham, Gerald, 1	Ashland	Nelson, Marie, 2	Cottage Grove
Jaw, Minnie B., 2	Ashland	Ness, Kathleen, 1	Medford
Lawrence, Ellen, 2	Scappoose	Neugart, Raymond, 1	Albany
Laws, Freda, 1	Rogue River	Newbry, Ruth, 1	Ashland
Leggett, Fannie, 1	Ashland	Newsom, Dorothy, 2	Klamath Falls
LeValley, Ted, 1	Medford	Newton, Frank, 2	Nyssa
Lewis, Daisy, 2	Jacksonville	Newton, Lester, 1	Yreka, Calif.
Lillebo, Larry, 1	North Bend	Newton, Levertta, 1	Canyonville
Lindie, Liljan, 2	Sutherlin	Newton, Rhoda, 2	Nyssa
Lindley, Lyle, 1	Medford	Nicholas, Clarence, 1	Lakeview
Lofland, Audrey, 1	Medford	Nichols, Mabel, 1	Talent
Loftin, Doris, 2	Lebanon	Norred, Myrtle, 2	Ashland
Lorenz, Randolph, 1	Coquille	Numbers, Claribel, 1	Redmond
Luch, Philip, 2	Klamath Falls	Nutter, Wilma, 2	Ashland
Ludwig, William, 1	Ashland	Nye, Imogene, 1	Prospect
Luttrell, Lilah, 1	Myrtle Point	Nye, Waldo, 2	Prospect
Lynch, Amy, 2	Medford	Oatman, Lucie, 1	Medford
Lyon, Thelma, 1	Phoenix	O'Byrne, Alice, 1	Talent
Lytle, Joe, 1	Silverton	Oeder, Emma, 1	Ashland
McClaran, Kathleen, 2	Toledo	Oeder, Lynda, 2	Ashland
McClun, Blanche, 1	Holly	Ohlsen, Grace, 2	Drain
McCormick, Winnifred, 1	Klamath Falls	Olts, Geneva, 2	Grants Pass
McCoy, Genevieve, 1	Ashland	O'Neal, Nolan, 1	Ashland
McDonald, Kenneth, 1	Nyssa	Ormond, Louisa, 2	Ashland
McGee, Avis, 1	Ashland	Owen, Harold, 1	Harrisburg
McGee, Donzella, 2	Ashland	Owens, Marie LaVerne, 1	Klamath Falls
McGee, Marcia, 1	Ashland	Padgett, Wyatt, 2	Ashland
McGuire, Liana R., 1	Grants Pass	Palmer, Frances, 2	Klamath Falls
McGuire, Robert, 1	Grants Pass	Palmer, Tom, 2	Halsey
McHargue, Georgia, 2	Reedsport	Parsons, Ruth, 1	Ashland

Patterson, Dwight, 1.....	Ashland
Patterson, Robert, 1.....	Hillsboro
Payne, Bessie, 1.....	Powers
Pea, Marjorie, 1.....	Medford
Pearce, Grace V., 2.....	Jacksonville
Pellet, Harriett, 2.....	Phoenix
Pendleton, Jessie, 1.....	Skamania, Wash.
Pendleton, Madeline, 2.....	Ashland
Peterson, Mabel, 1.....	Lakeview
Phelps, Ernest, 1.....	Eugene
Phillips, Ora E., 1.....	Ashland
Phillips, Zoe, 1.....	Ashland
Phipps, Estill, 1.....	Medford
Pierce, Anna, 1.....	Central Point
Pittenger, Dorothy, 2.....	Medford
Pittenger, Maxine, 2.....	Medford
Poland, Esther, 2.....	Ashland
Pomeroy, Betty, 1.....	Puente, Calif.
Pomeroy, Mrs. Viola, 1.....	Beagle
Poole, Cecil, 2.....	Talent
Pope, Lorraine, 1.....	Talent
Porter, Doris, 1.....	Klamath Falls
Porter, Elias, 1.....	Medford
Porter, Helen M., 2.....	Medford
Porter, Robert, 1.....	Medford
Powell, Laurence, 1.....	Marshfield
Frescott, Marie, 1.....	Ashland
Frescott, Paul, 1.....	Medford
Freston, Betty, 2.....	Jackson
Freston, Robert, 2.....	Myrtle Creek
Fruett, Jessie, 2.....	Cottage Grove
Fursel, Ina, 1.....	Jacksonville
Futer, Coy, 1.....	Crescent City, Calif.
Putman, Arthur, 2.....	Baker
Putman, Jean, 2.....	Ashland
Rakestraw, Claribel, 2.....	Portland
Redden, John, 1.....	Medford
Reeder, Lyle, 1.....	Ashland
Reeder, Peggie, 1.....	Ashland
Reedy, Lois, 2.....	Medford
Reese, Catherine, 1.....	Medford
Reese, Thelma, 1.....	Bandon
Register, Geraldine, 2.....	Lebanon
Reid, Grace, 1.....	Medford
Reid, Rex, 1.....	Portland
Reno, Mrs. J. K., 2.....	Klamath Falls
Rice, Harry, 2.....	Harrisburg
Richardson, Walter, 2.....	Elkton
Roach, Ruby, 1.....	Clackamas
Roberts, Cecil, 1.....	Rogue River
Roberts, Esther, 1.....	Ashland
Roberts, Ina, 1.....	Powell Butte
Roberts, Marie, 2.....	Prineville
Robinet, Rose Taverner, 1.....	Ashland
Robison, Houston, 2.....	Arago
Rodgers, Mildred C., 1.....	Prospect
Rodley, Ruth, 2.....	Lookingglass
Rose, Roberta Jean, 1.....	Medford
Rosenstiel, Robert, 2.....	Portland
Ross, Donald, 2.....	Ashland
Rowley, Gladys, 1.....	Foster
Rudd, Alice, 1.....	Ashland
Rudd, June, 1.....	Ashland
Rumer, Lois, 2.....	Klamath Falls
Russell, Elma, 2.....	Myrtle Point
Russell, Mildred, 2.....	Myrtle Point
Sapp, Frank, 1.....	Caldwell, Idaho
Saylor, Bertha, 1.....	Medford
Scannell, Myrtle, 1.....	Ashland
Schaw, Ruth McBain, 1.....	Arago
Schilling, Frances, 1.....	Ashland
Schilling, Harold, 1.....	Klamath Agency
Schmeltzer, Mary, 1.....	Sherwood
Schmidt, Fred, 1.....	Medford
Schmitz, Nina, 2.....	Marshfield
Schneider, Pauline, 2.....	Cottage Grove
Schuler, Mrs. Mary H., 1.....	Bend
Schultes, Flossie, 2.....	Camas Valley
Schultz, Martha, 1.....	Ashland
Schwartz, J. Roy, 2.....	New Plymouth, Idaho
Scotlard, Mary B., 1.....	Woodburn
Scott, Ira, 1.....	Albany
Scott, Lillian, 1.....	Butte Falls
Scott, Mary, 2.....	Bonanza
Scroggins, Louise, 1.....	Ashland
Seabrooke, Alice, 2.....	Central Point
Sehon, Grace, 1.....	Salem
Seigel, Meda, 1.....	Klamath Falls
Sellers, Evelyn, 2.....	Myrtle Creek
Sellers, Lawrence, 1.....	Medford
Sellers, Mary, 2.....	Medford
Settelmeyer, Mary, 1.....	Roberts
Sewell, Lorne, 1.....	Ashland
Sheets, Alice, 1.....	Cottage Grove
Shepherd, Nellie, 2.....	Marshfield
Sherard, June, 2.....	Ashland
Short, Jayne, 1.....	Ashland
Shull, Emily, 1.....	Myrtle Point
Silva, Elnora, 1.....	Ashland
Silver, Isabelle, 1.....	Ashland
Silver, Kathleen, 1.....	Ashland
Simpson, Tom, 1.....	Klamath Falls
Sliger, Floyd, 1.....	Albany
Sloan, Delmo R., 1.....	Phoenix
Smith, Cora, 2.....	Grants Pass
Smith, Edna, 2.....	Prineville
Smith, Evelyn, 1.....	Medford
Smith, Florence, 1.....	Ashland
Smith, Florence, 1.....	Portland
Smith, Margaret, 1.....	Marshfield
Smith, Marjorie, 1.....	Medford
Snedaker, Florence, 1.....	Roseburg
Southwick, Edith, 2.....	Talent
Southwick, Ralph, 2.....	Talent
Spalding, Robert, 1.....	Ashland
Spayde, Leona, 2.....	Ashland
Spears, Verne, 2.....	Talent
Spencer, Robert, 2.....	Ashland
Sprague, Anne, 2.....	Lakeview
Spriggs, Ramona, 1.....	Cottage Grove
Springer, Jeanie, 2.....	Medford
Squire, Chester, 1.....	Ashland
Stark, Eva, 1.....	Central Point
Stearns, Jeannette, 1.....	Ashland
Stedman, Robert, 1.....	Phoenix
Steinbach, Barbara, 2.....	Reedsport
Stephens, Bertha, 1.....	Ashland
Stephens, Carl, 1.....	Powers
Stevens, Jennie, 2.....	Medford
Stewart, Carl, 1.....	Powers
Stiles, Adeline, 2.....	Ashland
Stiles, Zelma, 2.....	Olene
Stinchfield, A. Harold, 1.....	Mayville
Stinchfield, Susan, 2.....	Mayville
Stokoe, Flora, 1.....	Ashland
Stonelake, Elsie, 2.....	North Bend
Strahan, Paul, 2.....	Rogue River
Straus, Arthur, 2.....	Gold Hill
Straus, Frank, 1.....	Gold Hill
Sudsbury, Victoria, 1.....	Murphy
Sullivan, Kathryn, 2.....	Baker
Swanson, Glenn, 1.....	Cottage Grove
Swarthout, Margaret, 1.....	Eugene
Swigart, Jeanne, 1.....	Medford
Swingle, Hollis, 1.....	Medford
Tapio, Impi, 1.....	Eastside
Taylor, Hazel, 1.....	Butte Falls
Thomas, Frank, 1.....	Pine Ridge
Thomas, Reginald, 2.....	Klamath Falls
Thompson, Edith, 1.....	Phoenix
Thompson, Genevieve, 1.....	Creswell
Thompson, Hattie, 1.....	Grants Pass
Thompson, Helen, 1.....	Ashland
Thornton, Berie, 1.....	Medford
Tillman, Marie, 2.....	Klamath Falls
Tjomsland, Beulah, 2.....	Melrose

Toloneh, Elsie, 1.....	Astoria	Williams, Carl, 1.....	Medford
Tracy, Verlie, 2.....	Roseburg	Williams, Gladys, 2.....	Myrtle Creek
Truesdale, Dorothy, 2.....	Powell Butte	Williams, Julia, 1.....	Ashland
Trunkey, Elmer, 1.....	St. Johns, Wash.	Williams, Mabel, 2.....	Myrtle Creek
Turgesen, Margaret, 2.....	Portland	Williamson, Kathryn, 1.....	Toledo
Tuttle, Lucinda, 1.....	Moscow, Idaho	Willits, Alice, 1.....	Ashland
Ulam, Gladys, 1.....	Milo	Wilson, Frances, 2.....	Gold Hill
Urdike, Nellie V., 1.....	Toledo	Wilson, Helen, 2.....	Medford
Van Prooyen, Anna, 2.....	Creswell	Wilson, Jean, 1.....	Portland
Vanzile, Forrest, 1.....	Ashland	Wilson, Orville, 1.....	Medford
Varney, J. Howard, 1.....	Powers	Wilson, Raymond, 1.....	Hillsboro
Vaughan, Betty, 2.....	Eugene	Winne, George, 1.....	Medford
Walker, John, 1.....	Ashland	Wise, Beatrice, 1.....	Fort Jones, Calif.
Walton, Helen, 1.....	Jacksonville	Wold, Don, 1.....	Medford
Warnock, Ruth, 2.....	Troy	Wolters, Dorothy, 1.....	Ashland
Watson, Marguerite, 2.....	Medford	Wood, Helen, 1.....	Medford
Wauchope, Eunice, 1.....	Ashland	Woodard, Eva, 1.....	Marshfield
Weaver, Charles, 2.....	Ashland	Woodard, Fern, 1.....	Marshfield
Wells, Annie, 1.....	Ashland	Woodcock, Bobbette, 1.....	Medford
West, Mildred, 2.....	Knappa	Woods, Clarence, 1.....	Ashland
Westerburg, Ellen, 2.....	Mafin	Woody, James, 1.....	Brownsville
Wheeler, Herrick, 1.....	Medford	Worley, Jeanette, 1.....	Molalla
White, Carlos, 1.....	Port Orford	Wright, Bert, 1.....	Ashland
White, Freda, 1.....	Canyonville	Wright, Vera, 2.....	Ashland
White, Forrest, 1.....	La Grude	Young, Floy, 2.....	Ashland
Whiteline, Mary, 2.....	Klamath Falls	Youtgmayr, Allan, 2.....	North Bend
Whitney, Jean, 2.....	Roseburg	Youngmayr, William, 1.....	North Bend
Whitney, Valera, 1.....	Eugene	Zib, Elaine, 1.....	Harlan
Whittle, Virginia, 1.....	Ashland	Zysset, Lona, 2.....	Sheridan
Wiegand, Cecile, 2.....	Salem		

Corvallis: Oregon State Agricultural College

GRADUATE STUDENTS

1931-32

Abraham, Elizabeth.....	Corvallis	Dixon, Richard Sears.....	Corvallis
Barklow, Ervin Earl.....	Corvallis	Dumbeck, Ethel M.....	Albany
Barnett, Howard Glen.....	Corvallis	Dykstra, Ressie George.....	Corvallis
Beals, Oliver K.....	Corvallis	Eckelman, Margaret Carla.....	Portland
Beck, Walter Crist.....	Dallas	Edwards, W. Donald.....	Corvallis
Belanger, Joseph.....	Corvallis	Evenden, Robert Murray.....	Warrenton
Belt, William Edward.....	Newport	Feikert, Grant Stephen.....	Corvallis
Beougher, Ethel.....	Bend	Fisher, Marvin Lee.....	Lakeview
Blow, Grace Hayward.....	Los Angeles, Calif.	Foerst, George Ashton.....	Murphy
Bolin, Fonsoc Marion.....	Corvallis	Gillespie, Douglas G.....	Hood River
Bolton, Dorothy Verna.....	Antelope	Gleason, George M.....	Corvallis
Bonney, Maurice Charles.....	Corvallis	Gleason, George Walter.....	Corvallis
Branstetter, Joseph Clifton.....	Fortuna, Calif.	Gray, Kenneth Wiesner.....	Marion
Brown, James Bennett.....	Corvallis	Hall, W. Knowlton.....	Clatskanie
Brown, Lloyd Edward.....	Stabler, Wash.	Hamilton, Lawrence Fox.....	Albany
Buck, Gilbert Fenn.....	Portland	Hamilton, Mary I.....	Albany
Burnham, Clarence.....	Logan, Utah	Hance, Henry Watson.....	Corvallis
Burnham, Stella.....	Corvallis	Hankins, Gilmer Lee.....	Atoka, Okla.
Byrne, Charles David.....	Corvallis	Hanlon, Genevieve Gertrude.....	Spokane, Wash.
Callaway, Edward Cleveland.....	Corvallis		
Cameron, Lelia Marguerite.....	Fairfield, Calif.	Harrah, Forrest Aden.....	Pendleton
Capron, Albert M.....	Gunnison, Colo.	Harris, Linden E.....	Marysville, Idaho
Cisby, George Bert.....	Corvallis	Heagen, Rena.....	Corvallis
Coleman, Howard.....	Corvallis	Hermanson, Hildor Egil.....	Corvallis
Cook, Maxwell.....	Corvallis	Hoh, Pih Wan.....	Seattle, Wash.
Coopey, Raymond Waldemar.....	Corvallis	Hood, Winona Lake.....	Corvallis
Crawford, John Vickers.....	Santa Ynez, Calif.	Howey, Olive Mary.....	Corvallis
Crumly, Margaret Shamel.....	Corvallis	Hudson, Marguerite.....	Ocean Beach, Calif.
Cummings, Mildred Louisa.....	Yaquina	Hutchinson, Hazel R.....	Corvallis
Dahlin, Roy Eugene.....	Corvallis	Imbler, L. Ione.....	Dallas
Dewey, George William.....	Corvallis	Jackson, Virgil Davis.....	Corvallis
Dickinson, Ernest Milton.....	Corvallis	Jenks, Forena.....	Albany
Dimick, Roland Eugene.....	Corvallis	Jewell, Edna K.....	Corvallis
Dixon, James Victor.....	Corvallis	Jewell, Margaret Elaine.....	Corvallis

Johnson, Arthur Fayette.....	Albany	Robinson, Rex Eugene.....	Corvallis
Jones, John Paul.....	Corvallis	Roubinek, Malinda.....	Bend
Jones, Kenneth C.....	Philomath	Rueppell, William Lewis.....	Corvallis
Jones, Mary Elizabeth.....	Corvallis	Ruppel, Henry George.....	Corvallis
Kessi, William A.....	Corvallis	Sander, Albert Frederick.....	Redfield, S. D.
Kibler, Zoe Marie.....	Terre Haute, Ind.	Sandwick, Galena Onaida.....	Corvallis
Kimmel, Jesse Carl.....	Estacada	Scott, Florence Theresa.....	Corvallis
Kimney, James William.....	Corvallis	Scullen, Herman Austin.....	Corvallis
King, Charles William.....	Corvallis	Searing, Lyall DeForest.....	Portland
Klock, Charlotte Franceil.....	Corvallis	Selby, Halbert E.....	Corvallis
Kollas, Wilhelm James.....	Hood River	Sharp, Lloyd P.....	Fresno, Calif.
Lantz, Martin Johnson.....	Portland	Smith, John W. L.....	Corvallis
Larson, Earl Lloyd.....	Corvallis	Sonner, Lalla P.....	Payette, Idaho
Lewis, Florence M.....	Long Beach, Calif.	Spellman, Cecil Lloyd.....	Elizabeth City, N. C.
Lindsay, Donald Edward.....	Corvallis	Spike, Eleanor May.....	Echo
Loehr, Mrs. Ruby R.....	Corvallis	Stanley, Howard B.....	Portland
Lund, Walter Thomas.....	Portland	Stoner, Eda Mary.....	Corvallis
McGauhey, Dorothy Eleanor.....	Corvallis	Stout, Melvin James.....	Corvallis
McGillivray, Helen Yvette.....	Portland	Summers, Robert Edward.....	Corvallis
McLean, Clifford Charles.....	Portland	Swamer, James Herbert.....	Hermiston
Mack, Gladys E.....	Corvallis	Sweringen, Lloyd William.....	Corvallis
MacLean, Kenneth Ross.....	Corvallis	Swift, H. M.....	Corvallis
Majors, Forest H.....	Corvallis	Tanaka, Haruo.....	Kasuga-hura, Japan
Manning, James Brownlow.....	McMinnville	Thomas, Mary Elizabeth Little.....	Corvallis
Mercer, Robert Allen.....	Corvallis	Tingley, Howard.....	Corvallis
Meyer, Edwin D.....	Corvallis	Tipton, Milton Harvey.....	Goble
Mispley, Robert Graham.....	Sacramento, Calif.	Trygg, Oscar Alfred.....	Detroit, Mich.
Moore, Willetta.....	Corvallis	Tyler, Willard Philip.....	Portland
Moreland, Henry D.....	Corvallis	Warner, William Roy.....	Corvallis
Morse, Maude Romaine Mueller.....	Portland	Vaughan, Edward Kemp.....	State College, N. M.
Muth, Dorothea McLouth Cordley.....	Corvallis	Walker, Clyde.....	Corvallis
Muth, Otto Herbert.....	Corvallis	Wanless, Rupert A.....	Corvallis
Myers, Fred Charles.....	Corvallis	Warren, Rex.....	Price, Utah
Myers, Harry L.....	Eugene	Whitaker, Carl F.....	Corvallis
Newth, Carroll R.....	Corvallis	White, Harold H.....	Corvallis
Norberg, Ruth Julia.....	Manzanita	Whiteside, John M.....	Seattle, Wash.
Oliver, Alfred W.....	Corvallis	Wilkes, Francis Lyman.....	Corvallis
Palmore, G. Victor.....	Corvallis	Wilkes, Thomas Marion.....	Corvallis
Parker, Mrs. Florence A. Bryant.....	Corvallis	Williamson, Jr., Henry Charles.....	Hayward, Calif.
Patterson, Joseph Deane.....	Corvallis	Wilson, Herbert Franklin.....	Graham, N. C.
Paul, William Howard.....	Corvallis	Wimmer, Harriet.....	Chula Vista, Calif.
Peck, Norton Lee.....	Corvallis	Wimmer, John.....	Chula Vista, Calif.
Perkins, Oliver Dix.....	Corvallis	Wong, Kwan Lun.....	Canton, China
Platt, Donald Maurice.....	Corvallis	Wright, Frances Maurine.....	Salem
Rampton, Henry Hardy.....	Bountiful, Utah	Yates, Willard Esthon.....	Corvallis
Rardin, Maybelle.....	Corvallis	Young, Bernice Esther Olson.....	Corvallis
Reh fuss, William Herman.....	Salem	Yunker, Edwin Arthur.....	Corvallis
Reichart, Robert Ray.....	Corvallis	Zumwalt, Wayne Warren.....	Corvallis
Riffe, Jesse Lewis.....	Corvallis		
Robertson, Alice Steele.....	Corvallis		

UNDERGRADUATE STUDENTS

1931-32

Abraham, Edith Margaret, H, 1.....	Corvallis	Afsbar, Haji Khan Azadi, M, 1.....	Persia
Abraham, Fred Erwin, ME, 2.....	Portland	Ahlers, Carl Johan, C, 4.....	Summit, N. I.
Acarregui, Floyd, C, 3.....	Jordan Valley	Aikins, Janice Meredith, H, 4.....	Riddle
Acheson, John Russell, C, 2.....	Portland	Aitken, Thomas Gardiner, F, 1.....	Palo Alto, Calif.
Acheson, Margaret Irene, F, 1.....	Brownsville	Aitken, William David, C, 3.....	Portland
Ackerman, Lillah Anna, H, 4.....	Corvallis	Akers, Ernest Alfred, E, 1.....	Portland
Ackles, Kenneth M., C, 2.....	Portland	Akins, Donald E., E, 1.....	Portland
Adams, Barbara Ethel, C, 1.....	Bend	Albaugh, Edwin James, A, 4.....	Corvallis
Adams, Caroline, H, 1.....	Portland	Albaugh, Velma Marie, H, 1.....	Pittville, Calif.
Adams, George Edward, V, 2.....	Corvallis	Albert, Archie Howard, C, 2.....	Portland
Adams, Jack, EE, 2.....	Warrenton	Albert, Ebin Edward, C, 1.....	Portland
Adams, James Byron, V, 2.....	St. Helens	Albert, Marion Del, C, 2.....	Pendleton
Adams, Jewell M., C, 1.....	Myrtle Creek	Albertson, Frank Dallas, F, 1.....	Weiser, Ida.
Adams, Keldon Gaylord, C, 2.....	Hoquiam, Wash.	Alcorn, Irma, C, 4.....	Corvallis
Adams, Orville Daniel, V, 4.....	Salem	Aldrich, Amy Elizabeth, C, 3.....	Pendleton
Adams, Robert Sterling, F, 3.....	Lakeview	Alexander, Gordon Thayer, C, 3.....	Palo Alto, Calif.
Adams, Romeyn Elbert, V, 2.....	Corvallis	Alfredson, George Martin, E, 1.....	Portland
Aeby, Ben, E, 1.....	Clackamas		

Allen, Audra Louise, H, 1.....	Rickreall
Allen, Benson Beach, C, 2.....	Portland
Allen, Esther Alice, C, 1.....	Portland
Allen, Eihau Alfred, IA, 3.....	Corvallis
Allen, Francis Edward, F, 2.....	Los Angeles, Calif.
Allen, Harold Elmer, V, 2.....	Cottage Grove
Allen, Hugh M., ME, 2.....	Bakersfield, Calif.
Allen, John Müller, V, 3.....	Portland
Allen, Leona Grace, C, 2.....	Corvallis
Allen, Lloyd Lee, CE, 4.....	Corvallis
Allen, Paul G., C, 4.....	Medford
Allingham, Warren Bryce, C, 1.....	Bishop, Calif.
Allison, Chilton L., A, 1.....	Glendale, Calif.
Allison, Jean, H, 1.....	Cottage Grove
Allyn, Stanley Richard, C, 1.....	Portland
Alnutt, Evelyn Anna, H, 1.....	Corvallis
Altman, Dale Ellis, V, 4.....	Gresham
Ames, Beatrice E., H, 1.....	Portland
Amos, Robert, C, 2.....	Portland
Andersen, Lester E., A, 2.....	Alsea
Andersen, Roy Gihm, CE, 4.....	Portland
Andersen, Ruth Mandana, G, 1.....	Portland
Andersen, Alice Eaton, V, 1.....	Corvallis
Andersen, Anna Veronica, C, n.....	Corvallis
Andersen, Arvo A., E, 1.....	Hood River
Andersen, Carol E., H, 1.....	Portland
Andersen, Colver F., Ch, 2.....	Ashland
Andersen, Don, V, 1.....	Portland
Andersen, Dorothy Louise, V, 4.....	Portland
Andersen, Elaine Joyce, V, 3.....	Portland
Andersen, Frank Norman, M, 1.....	Portland
Andersen, Fred A., C, 2.....	Sherwood
Andersen, Helen Medores, V, 4.....	Portland
Andersen, Janet Aiden, V, 1.....	Corvallis
Andersen, John William, A, 2.....	Paauhau, T.H.
Anderson, Keith, C, 2.....	Corvallis
Anderson, Olaf S., A, 1.....	Grants Pass
Anderson, Pauline June, V, 4.....	Portland
Anderson, Robert Charles, IA, 2.....	Corvallis
Anderson, Roy E. R., C, 4.....	Albany
Angle, Martha Cornelia, C, 2.....	Corvallis
Angle, Marvin Giger, F, n.....	Corvallis
Annable, Ruth Joy, V, 1.....	San Diego, Calif.
Annala, Arvo Russell, C, 3.....	Hood River
Annala, Eugene Frank, V, 1.....	Hood River
Anundson, Howard Melvin, EE, 2.....	Portland
Anzellotti, Joseph A., F, 1.....	Youngstown, O.
Apperson, Donald C., A, 1.....	Corvallis
Apperson, Ralph Orlo, F, 4.....	Corvallis
Applebe, Mary Whately, H, 3.....	Grants Pass
Applegate, Tracy W., EE, 4.....	Yoncalla
Applewhite, Gordon Miles, P, 2.....	Roseburg
Arant, Donald M., C, 2.....	Forest Grove
Archibald, Harry G., A, 2.....	Grand Forks, B. C.
Arents, Chester Abbo, EE, 4.....	Portland
Armstrong, John Warren, C, 1.....	Portland
Armstrong, Richard Logan, A, 4.....	Tacoma, Wash.
Armstrong, Thomas Bolton, F, n.....	Pasadena, Calif.
Arneson, Violette L., A, 2.....	Pendleton
Arnsberg, Ace I., C, 4.....	Portland
Arritola, Louis, C, 1.....	Jordan Valley
Arzner, Josephine M., G, 1.....	Lakeview
Ash, Alice A., C, 2.....	Corvallis
Asper, Pauline A., H, 2.....	Telocaset
Aston, Fred George, C, S.....	Portland
Atkinson, Ruby Arline, V, 2.....	Portland
Atterbury, Alexander Henry, P, 4.....	Albany
Atterbury, Cal, C, n.....	Portland
Atwood, Dorothy M., H, 1.....	Corvallis
Atwood, Stanford W., V, 1.....	San Bernardino, Calif.
Auer, Walter Virgil, EE, 2.....	Corry, Pa.
Aufderheide, Robert, F, 2.....	Salem
Auld, Gilbert W., C, 1.....	Portland
Aungst, Leslie H., Ch, 2.....	Baker
Aupperle, Elizabeth, C, 1.....	Jefferson
Ausve, Cora E., O, 2.....	Corvallis
Auvil, Thelma, V, 3.....	Entiat, Wash.
Avery, Doris, H, 1.....	Corvallis
Avery, Funderson, A, 1.....	Corvallis
Ayer, Constance June, V, 3.....	Red Bluff, Calif.
Ayers, Carl Babin, C, 2.....	Corvallis
Ayres, Wallace E., A, 2.....	Corvallis
Babb, Raymond M., C, 1.....	Corvallis
Babcock, Frances Kimball, C, 4.....	Portland
Babcock, Irma Lucille, H, 3.....	Astoria
Backlund, Arthur, V, 2.....	Corvallis
Bacon, Gordon J., P, 1.....	Boring
Badurina, William P., F, 1.....	Portland
Baechtel, Richard S., F, 4.....	Corvallis
Bagley, Vernon Hall, A, 1.....	Knappa
Bagley, Jr., William R., ME, 2.....	Talent
Bailey, Frances H., V, 2.....	Portland
Bailey, Harrison Earl, ME, 2.....	Portland
Bailey, Laura Alice, H, 2.....	Corvallis
Bailey, Lois Elaine, H, 1.....	Eugene
Baird, Douglas George, CE, 4.....	Corvallis
Baird, Grace Ellen, H, 4.....	Portland
Baird, Jean Rachel, V, 1.....	Portland
Baker, Gail Clinton, F, 3.....	Callahan, Calif.
Baker, Kenneth Harold, A, 3.....	Corvallis
Baker, Lloyd B., V, 3.....	Portland
Baker, Lloyd V., C, 4.....	Carlton
Baker, Owen V., EE, 2.....	Newberg
Baker, Walter Clifford, Ch, 1.....	Toledo
Balch, Anthony Cuthbert, V, 3.....	Portland
Baldrige, W. Dwight, CE, 3.....	Parma, Idaho
Baldwin, George Melvin, C, 2.....	Portland
Baldwin, Rodney Douglas, A, 2.....	Morro Bay, Calif.
Bales, Forrest Eleanor, C, 4.....	Kimberly
Bales, Kathleen, H, 2.....	Kimberly
Bales, Margaret Leah, H, 1.....	Corvallis
Ball, Deibert, EE, 3.....	Portland
Ball, Eldon E., A, 3.....	Crockett, Calif.
Ball, Roger, V, 2.....	Corvallis
Ball, Wendell Lee, P, 2.....	Corvallis
Bally, Maude Loomis, A, 1.....	Kalispell, Mont.
Balsiger, Stuart Riggs, C, n.....	Klamath Falls
Balzer, Lois, V, 2.....	Portland
*Balzer, Russell Leonard, C, 2.....	Portland
Bandy, John Clair, Ch, 1.....	Corvallis
Banks, Kathryn Dryden, C, 2.....	Portland
Bany, Mary B., C, 1.....	Astoria
Barbano, Edward Fulton, C, 1.....	Blalock
Barber, Emerald Hugh, IA, 1.....	Tillamook
Barber, Marion Myrtle, H, 2.....	Camas, Wash.
Bard, Gordan Edward, V, 1.....	Portland
Bardsley, Arthur Leon, V, 1.....	Portland
Bardwell, Vira, H, 2.....	Pico, Calif.
Barfoot, W. H., A, S.....	Corvallis
Barker, Edwin M., C, 2.....	Anacortes, Wash.
Barker, Margaret Elizabeth, H, 4.....	Anacortes, Wash.
Barker, Simon B., V, 1.....	Portland
Barlow, Frank, V, 2.....	Portland
Barnes, Zed William, C, 2.....	Klamath Falls
Barnum, Sophie E., V, 4.....	Independence
Barr, Virginia Louise, V, 2.....	Portland
Barrett, Leander Rockwell, E, 1.....	Forest Grove
Barrett, Mary Margaret, V, 2.....	Portland
Barry, M. Earline, C, 1.....	Marshfield
Barry, Marian Margaret, V, 1.....	Oregon City
Bars, Richard Hawks, V, 1.....	Corvallis
Bartos, Charles James, A, 1.....	Woodburn
Bartrum, Kenneth G., A, 2.....	Portland
Batcheller, C. Robin, V, 2.....	Corvallis
Bateman, Byron E., A, 1.....	Milton

*Deceased.

- Bateman, Harold W., C, 2.....Milton
 Bateman, Ross L., EF, 2.....Toledo
 Bates, Clarence Cass, V, 2.....Corvallis
 Bates, Daniel Walter, C, 2.....Jennings Lodge
 Bates, Leon E., P, n.....Warm Springs
 Bauer, Ernest William, C, 4.....Portland
 Bauer, Jeanne Margaret, G, 1.....Portland
 Bauer, Paul G., C, 2.....Corvallis
 Bault, Lester, V, 1.....Tangent
 Baum, Ray Eugene, C, 1.....Los Angeles, Calif.
 Bayles, Charles Clifford, E, 1.....Corvallis
 Bayles, Thomas Richard, V, 1.....Corvallis
 Beach, Gene Fay, C, 2.....Bend
 Beal, Robert Perry, F, 4.....Los Angeles, Calif.
 Beall, Harriet Hays, V, 4.....Portland
 Beals, Grace Elizabeth, C, 4.....Corvallis
 Beals, Ruth Grace, C, 4.....Tillamook
 Beals, Wenonah Alice, H, 2.....Corvallis
 Beaman, Arthur Chester, F, S.....Albany
 Bean, Lucy Isabel, H, 4.....Junction City
 Bear, Henrietta N., V, n.....Albany
 Beard, Jennings, V, 1.....Welches
 Beardsley, Bruce M., C, 2.....Corvallis
 Beardsley, Cassius Marvin, A, 4.....Corvallis
 Beards, Ernest Herbert, V, 1.....Grants Pass
 Beasley, Dorothy, H, 3.....Santa Ana, Calif.
 Beat, Robert R., C, 1.....Portland
 Beatty, Daniel Webster, ME, 4.....Brownsville
 Beatty, Mary Alice, H, 1.....Everett, Wash.
 Beauchamp, Wilma A., V, 2.....Albany
 Beaver, Jay Willis, Ch, 1.....Portland
 Bechen, Haarby Berg, C, 4.....Hillsboro
 Beck, Marian G., H, 1.....Portland
 Beckendorf, Howard Paul, EE, 3.....Portland
 Becker, Maxwell Henry, C, 2.....Salem
 Beckley, Lois Marie, C, 2.....Roseburg
 Bedford, Jack M., C, 2.....Klamath Falls
 Beebe, George Parker, C, 4.....Corvallis
 Beechler, George C., P, 1.....Salem
 Beezley, Marian Elizabeth, A, 1.....Astoria
 Beight, Kathryn Mary, H, 4.....Albany
 Beith, Marjorie Mae, C, 4.....Joseph
 Belknap, Harold Augustus, F, 2.....Colusa, Calif.
 Bell, Barbara Dee, H, n.....Corvallis
 Bell, Clark K., C, 2.....Pasadena, Calif.
 Bell, Elizabeth, H, 4.....Portland
 Bell, Gordon B., Ch, 1.....Portland
 Bell, Gordon Melvin, C, 2.....Grants Pass
 Bell, Howard J., V, 2.....Portland
 Benefiel, Clairice Irene, H, 1.....Corvallis
 Benefiel, Velma Lulu, H, 2.....Corvallis
 Benham, Henry L., IA, 2.....Williams, Ariz.
 Benner, Raymond Edward, C, 2.....Upland, Calif.
 Bennett, Elizabeth, V, 4.....Corvallis
 Bennett, Jean Kathryn, C, 1.....Portland
 Bennett, Mary Pauline, V, 4.....Albany
 Beno, Maxwell Fredrick, E, 1.....Sherwood
 Benschmidt, Adolph, CE, 3.....Tillamook
 Benson, Bjorn, G, 1.....Corvallis
 Henson, Guy Walter, A, 1.....Portland
 Berg, Albert G., A, 1.....Corvallis
 Berg, Bill Nicholas, C, 1.....Portland
 Berg, Glynn L., C, 1.....Portland
 Berg, Harold W., Ch, 4.....Salem
 Bergano, Fabian C., A, 1.....Philippine Islands
 Bergdahl, Astrid E., V, 2.....Portland
 Berger, Philip K., F, 4.....Seneca
 Bergerson, Charles Gilbert, V, n.....Vernonia
 Berkeley, Mary K., C, 1.....Yonkers, N. Y.
 Berkey, Henry W., ME, 2.....Tillamook
 Bertram, Mary E., II, 3.....Corvallis
 Biancone, John, V, 2.....Portland
 Bidgood, Gungadene Alene, A, 1.....Independence
 Bieler, John Robert, A, 1.....Bonanza
 Bierma, Jack R., P, 1.....Medford
 Biersdorf, Delbert, ME, 2.....Cornelius
 Billing, Margaret E., C, 4.....Corvallis
 Billings, John S., A, 2.....Ashland
 Billingsley, Donald, E, 1.....Portland
 Bilyeu, Eloise, II, 4.....Portland
 Bilyeu, Marion Josephine, V, 1.....Portland
 Bingham, Meredith E., C, 1.....San Luis Obispo, Calif.
 Bingham, Stewart J., V, 2.....Canyon City
 Binmicker, Jack Noble, E, 1.....Portland
 Birk, Wilfred Rudolph, E, 1.....Portland
 Birrel, Jean Carleton, H, 4.....Portland
 Bishop, James Franklin, A, 2.....Flagstaff, Ariz.
 Bishop, Marguerite Eleanor, C, 2.....Portland
 Bishoprick, Stanley, F, 3.....Portland
 Bittick, Ann Marie, C, S.....Portland
 Bjerg, Hartwig, IA, S, C, 2.....Flagstaff, Ariz.
 Black, Donald Harry, C, 2.....Portland
 Black, Robert James, V, 4.....Corvallis
 Blackstone, Glen Miller, C, 1.....Portland
 Blackwell, Vance, CE, 4.....Portland
 Blair, Thomas R., Ch, 1.....Sheridan
 Blake, David G., EE, 2.....Ashland
 Blake, Jean Esther, H, S.....Marshfield
 Blake, Lillie A., H, 2.....Portland
 Blanchfield, Emmett U., A, 2.....Corvallis
 Blasen, Robert L., EE, 3.....Portland
 Bleamaster, Miriam DuBois, V, 2.....Corvallis
 Bledsoe, Frances Priscilla, O, 2.....Culver City, Calif.
 Bloomquist, Irma Virginia, V, 3.....Tacoma, Wash.
 Blurock, Betty, V, 2.....Vancouver, Wash.
 Boden, Ralph Oscar, E, 1.....Nyssa
 Bodner, William Stephen, V, 3.....Corvallis
 Boe, Arthur H., P, 1.....Parkdale
 Bofot, Eino Alfred, V, 3.....Portland
 Bogart, D. Clark, C, 3.....Portland
 Bogen, Harry, E, 1.....Glendale, Calif.
 Boguslaski, Roscoe, F, 1.....Oregon City
 Bobannon, Glenn Thomas, C, 4.....Corvallis
 Boileau, Michael Joseph, EE, 3.....Eastside
 Boley, Anita Louise, V, 3.....Salem
 Bollinger, Robert Edward, C, 2.....Portland
 Bolton, Valerie Charlotte, P, 1.....Corvallis
 Bolz, Mildred Lillian, V, 3.....Medford
 Bondeson, Harold Peter, EE, 2.....Portland
 Bonebrake, Donald Clinton, C, 2.....Portland
 Bonebrake, John H., ME, 2.....Portland
 Bennett, Charles A., CE, 2.....Eugene
 Boon, Catherine Virginia, V, 1.....Portland
 Booth, Japer, II, 3.....Jennings Lodge
 Borkowski, George, EE, 3.....Portland
 Born, Leonard Gerald, CE, 2.....Portland
 Bort, William Frank, M, 4.....Corvallis
 Boswell, Carl Knox, V, 3.....Central Point
 Boswell, Clifford, V, 4.....Central Point
 Bothern, Frances Rose, II, 2.....Albany
 Botcher, Richard Paul, F, 2.....Portland
 Boutinghouse, Carrie, V, 3.....Corvallis
 Bower, Philip Adair, V, 3.....Corvallis
 Bowers, Eugene William, A, 1.....Astoria
 Bowman, Pierre James, C, n.....Portland
 Bowen, Walter B., F, 4.....Klamath Falls
 Boyce, Virginia Esther, C, 2.....Hollywood, Calif.
 Boyle, Kenneth Lyle, E, 1.....Portland
 Brace, Bernard Lamont, E, 1.....The Dalles
 Braden, Jr., Alfred E., G, 1.....Portland
 Bradley, John James, C, 4.....Vallejo, Calif.
 Bradley, Leah Mae, V, 1.....Silver Lake
 Bradley, Lora Rosalie, H, 2.....Silver Lake
 Bradley, Lyle William, C, 1.....Lakeview
 Brady, Lawrence, EE, 3.....Portland
 Brainerd, Philip F., C, 1.....Grants Pass
 Brande, Jack, V, 1.....Long Beach, Calif.
 Brandeberry, Earl Cedric, F, 2.....Albany

- Brandis, Richard William, P, 1.....Hoquiam, Wash.
 Brands, Henry W., E, 1.....Portland
 Brands, Maurice Dwane, E, 1.....Portland
 Brandt, Harriett Anne, V, 1.....Corvallis
 Brandt, Reuben William, V, 3.....Corvallis
 Branton, Clarence Ivan, A, 3.....Dixonville
 Bray, E. Loren, EE, 3.....Albany
 Breck, Isabel, C, 3.....Baker
 Breesse, Jyrle Ralph, A, 1.....Prineville
 Brennan, Charlotte Christine, H, 3.....Portland
 Brennan, Frances Theresa, C, 1.....Lakeview
 Brewitt, Edward Herbert, C, 2.....Tacoma, Wash.
 Briant, Charles Arthur, A, 2.....Yakima, Wash.
 Brier, Dorris Jacqueline, H, 3.....Turlock, Calif.
 Briggs, James T., ME, 2.....Ashland
 Briggs, Mark Robert, C, 3.....Corvallis
 Brinkman, Margaret, II, 2.....San Diego, Calif.
 Briker, L. Edward, CE, 3.....Los Angeles, Calif.
 Britton, James, CE, n.....Marysville, Calif.
 Britton, Thomas George, C, 2.....Portland
 Brock, Richard S., O, 1.....Portland
 Brommer, Fredericka Emille, H, 2.....Medford
 Brommer, Louise Alma, H, 1.....Medford
 Bronson, Beulah, H, 3.....San Bernardino, Calif.
 Bronson, Dave Grayson, C, 1.....Portland
 Bronson, Robert K., C, 1.....Portland
 Brooten, Dorothy M., G, 1.....Cloverdale
 Brown, Betty, Ch, 3.....Corvallis
 Brown, Billie, A, 1.....McArthur, Calif.
 Brown, Carlos T., F, 2.....Portland
 Brown, Carroll E., F, 3.....Portland
 Brown, Edith E., HE, 2.....Lakeview
 Brown, Eleanor Helen, H, 2.....Corvallis
 Brown, Harold, C, 1.....Portland
 Brown, Harold Wildon, V, 1.....Corvallis
 Brown, Harriett, H, 3.....Bend
 Brown, Helen Means, H, 4.....Portland
 Brown, Howard French, C, n.....Maxwell, Calif.
 Brown, Jack A., M, 4.....Corvallis
 Brown, Jess Frank, F, 1.....Dunsmuir, Calif.
 Brown, Lant Waters, IA, 1.....Corvallis
 Brown, Lila F., H, 1.....Honolulu, T. H.
 Brown, Lois, V, 4.....Corvallis
 Brown, Lowell Eastham, ME, 2.....Silverton
 Brown, Rebecca E., V, 3.....Portland
 Brown, Richard Myers, C, 2.....Portland
 Brown, Robert B., C, 4.....Burns
 Brown, Robert L., A, 2.....Corvallis
 Browning, Elizabeth Mason, H, 2.....Portland
 Brownsey, Wilbur Harris, C, 2.....Compton, Calif.
 Brownson, Shirlee Ruth, C, 2.....Hermiston
 Bruce, William Thomas, V, 4.....La Grande
 Bruhl, Althea Lucile, C, 1.....Portland
 Brumbaugh, Sheldon, O, S.....Corvallis
 Brunet, Fred Henry, V, 1.....Selma
 Brunskill, Paul M., P, n.....Albany
 Bryan, Vanita Faye, C, 2.....Paisley
 Bryant, Isabelle, V, 4.....Myrtle Point
 Bryant, Malcolm S., C, 2.....Portland
 Bryant, Miriam Leona, G, 1.....Corvallis
 Bryant, Robert Edcl, C, 1.....Myrtle Point
 Buccat, Jose U., CE, 3.....Corvallis
 Buchanan, Aurella, H, 4.....Corvallis
 Buchanan, James Robert, V, 2.....Corvallis
 Buck, Doris Adelaide, V, 3.....Portland
 Buck, Margie Kate, H, 3.....Eugene
 Buckhorn, Elmer Alfred, EE, 3.....Bend
 Buckingham, John Dwight, CE, 2.....Marshfield
 Buckley, Clarkson I., V, 2.....Corvallis
 Budd, Willa Hoyt, V, 4.....Glendale, Calif.
 Buford, Howard W., A, 3.....Long Beach, Calif.
 Bufton, Lawrence Scott, E, 1.....Portland
 Bullard, Howard Warren, F, 2.....Bullards
 Bullis, Ruth May, H, 3.....Gastou
 Bumstead, Irene Dorothy, H, 2.....Alhambra, Calif.
 Bundy, Doris, H, 1.....Medford
 Burch, Frances Elizabeth, C, 2.....Lakeview
 Burge, Collin McRoberts, V, 2.....Corvallis
 Burgoyne, Carlyle Ferris, P, 1.....Riddle
 Burk, Dorothy Ann, H, 1.....Corvallis
 Burke, Mrs. Edna L., V, 4.....Dallas
 Burke, Kendall E., V, 4.....Dallas
 Burke, Robert J., ME, 4.....Portland
 Burnett, Charles, A, 4.....Moro
 Burnett, Gail Marjorie, C, 2.....Portland
 Burnett, George Lewis, F, 2.....Portland
 Burnett, Shirley William, ME, 4.....Eagle Creek
 Burns, John M., C, 1.....Newberg
 Burns, Margaret M., H, 1.....Newberg
 Burns, Randal Joseph, C, 3.....Portland
 Burris, Bruce H., V, 1.....Corvallis
 Burroughs, Dillard Willis, C, 2.....Corvallis
 Burt, John E., M, 2.....Carlton
 Burwell, Gerald L., F, 4.....Corvallis
 Busch, Jim Harris, V, 1.....Salem
 Busenbark, Dale W., A, 2.....Roseburg
 Busenbark, Helen Fae, H, 3.....Roseburg
 Busenbark, Wilma, H, 2.....Roseburg
 Butterfield, Neal Allen, A, 3.....Woodburn
 Buxton, Charles R., V, 2.....Corvallis
 Buzhard, Dorothy Lenore, C, 3.....Hillsboro
 Byce, Malcolm Lyman, Ch, 1.....Petaluma, Calif.
 Byington, William Wallace, M, 4.....Philomath
 Byram, Harold Mark, C, 2.....Canyon City
 Byrd, Dorothy M., V, 2.....Corvallis
 Byrne, Jack M., C, 3.....Portland
 Cady, Marion Ernest, Ch, 4.....Portland
 Calaba, Victor, ME, 2.....Salem
 Calderwood, Catherine, V, 4.....Lakeview
 Caldwell, Walter Robert, V, 2.....Portland
 Callahan, Lucille B., H, 3.....Los Angeles, Calif.
 Callan, Sarah, V, 1.....Portland
 Callan, William, V, 2.....Portland
 Callaway, James Ralph, ME, 2.....Long Beach, Calif.
 Calvert, Emmett Richard, F, 3.....Corvallis
 Cameron, Harry Frank, F, 1.....Canal Zone
 Camp, Charles S., C, 2.....Corvallis
 Camp, Robert H., M, 1.....The Dalles
 Campbell, Catherine J., H, 1.....Portland
 Campbell, Joe D., V, 1.....Clatskanie
 Campbell, Kenneth J., E, 1.....Yamhill
 Campbell, Milton L., C, 1.....Portland
 Campbell, Richard Gordon, C, 1.....Portland
 Campbell, W. Howard, A, 1.....Prairie City
 Campbell, Wilbert F., C, 3.....Portland
 Cannessa, Marjorie M., H, 3.....Astoria
 Cannon, Floye B., C, 1.....Paisley
 Canova, Joe Ralph, F, 2.....Corvallis
 Canova, Murray F., A, 2.....Corvallis
 Cantine, Thomas Robinson, CE, 4.....Portland
 Carey, Frances G., C, 3.....Portland
 Carico, Hugh V., A, 1.....Payette, Idaho
 Carl, Helen Mae, H, 1.....Portland
 Carl, Kenneth E., A, 3.....Arago
 Carl, Raymond A., IA, 4.....Salem
 Carleton, Candler James, CE, 4.....Alsea
 Carleton, Edmund A., V, 2.....Portland
 Carlson, Charles W., ME, 2.....Portland
 Carlson, Byron Arthur, C, 4.....Portland
 Carlson, Carl Oscar, P, 1.....Los Altos, Calif.
 Carlson, Elmer G., Ch, 2.....The Dalles
 Carlson, Janet Mary, C, 4.....Ione
 Carlson, Milton V., C, 2.....Portland
 Carlson, Winnifred E., G, 1.....Juneau, Alaska
 Carlstrom, Dorothy E., H, 4.....Hamilton, Mont.
 Carpenter, Forrest A., E, 1.....Wallowa
 Carpenter, Margery R., H, 4.....Pasadena, Calif.

Carrico, Angela Elizabeth, A, 1.....Burns	Coleman, William H., A, 3.....Dundee
Carson, Homer, F, 2.....Corvallis	Colford, Thomas Edward, F, 1.....Bisbee, Ariz.
Carson, Virginia, V, 2.....San Bernardino, Calif.	Colgan, Oscar Eugene, P, 2.....Corvallis
Carter, Elden W., CE, 3.....Portland	Collett, Ralph Leonard, CF, 2.....Portland
Carter, Robert T., E, 1.....Willamette	Collie, Janet, H, 1.....Hood River
Carver, Wayne R., C, 2.....Myrtle Point	Collin, Jr., Henry A., A, 2.....Orosi, Calif.
Case, Carvel B., F, 2.....Molalla	Collins, Mary Louise, H, 3.....Ames, Iowa
Casey, Marjorie, G, 1.....Los Angeles, Calif.	Cornish, Alison, V, 2.....Corvallis
Cass, Lucy, C, 1.....Grants Pass	Compton, Leo Miles, F, 2.....Corvallis
Cassidy, Bernie, C, 1.....Portland	Comstock, Frances Mary, V, 1.....Cove
Cate, Gerald R., C, 1.....Corvallis	Comstock, John, F, 2.....Cove
Cate, Jack C., V, 2.....Corvallis	Comstock, Max O., M, 1.....Sutherlin
Cavender, Noel C., C, 2.....Corvallis	Condon, Dean Leslie, CE, 2.....Corvallis
Cesarini, Pedro M., E, 1.....Los Angeles, Calif.	Congdon, Amy Jane, H, 1.....Portland
Chamberlain, Keith M., A, 1.....Mosier	Congdon, Edward A., F, 1.....Portland
Chamberlain, Fred S., E, 1.....Corvallis	Congdon, Levi Y., Ch, 1.....Horton
Chandler, Franklyn M., C, 4.....Baker	Conner, Karl, V, 2.....Corvallis
Chandler, George M., EE, 2.....Eugene	Connolly, Lloyd Thomas, V, 1.....Minneapolis, Minn.
Chandler, Gladys Katherine, II, 1.....Portland	Conrad, Julius S., CE, 2.....Marshfield
Chandler, Paul Roy, C, 1.....Lakeview	Conway, Dixon E., C, 1.....North Bend
Chaney, Dorothy, H, 1.....Corvallis	Conway, Jefferson D., C, 1.....Portland
Chapman, Frederick M., P, 2.....Roseburg	Cook, Clive W., A, 4.....Wells
Chapman, Helen E., H, 1.....Portland	Cook, Harold E., C, 4.....Portland
Chapman, Kenneth A., P, 4.....Corvallis	Cook, Ila Mae, V, 3.....Corvallis
Chapman, Lawrence E., F, 2.....Portland	Cook, J. William, Ch, 2.....Myrtle Creek
Chapman, Lincoln, F, 1.....Middletown, Calif.	Cook, Leland T., V, 4.....Portland
Chapman, Paul, A, 4.....Dallas	Cook, Louise W., V, 2.....Salem
Chapson, Kenneth P., IA, 4.....Corvallis	Cook, Lynn F., P, 2.....Independence
Charlton, Dale V., C, 1.....La Grande	Cook, Owen M., G, 1.....Corvallis
Charlton, Velma I., II, 3.....La Grande	Cook, Warren G., ME, 4.....Warrenton
Chatterton, Jay H., EE, 4.....Portland	Cooke, Faith Elmer, H, 2.....Portland
Chattin, J., Charles W., EE, 3.....Ashland	Cooke, James Philip, Ch, 3.....Portland
Chesley, Kenneth H., V, 1.....Portland	Cookman, Frederick W., EE, 2.....Portland
Chester, Charles E., F, 2.....Astoria	Cool, Candace M., H, 3.....Portland
Chiswell, Stanley W., M, 1.....Portland	Coombe, Grace E., C, 3.....Ashland
Christensen, Leonard, E, 1.....Corvallis	Coombs, Anna M., H, 3.....Prairie City
Christensen, Thonette F., O, 2.....Oakland, Calif.	Coon, Donald C., E, 1.....Corvallis
Christenson, Chester M., IA, 2.....Portland	Cooper, Donald Herbert, E, 1.....Corvallis
Christian, Stanley C., A, 3.....Hanamaoilo, Kauai, T. H.	Cooper, Edward Harold, C, 2.....Camas, Wash.
Christiansen, Claud Bert, Ch, 3.....Ontario	Cooper, Horace G., F, 4.....Portland
Churchill, George W., F, 2.....Roseburg	Cooper, Irvin A., E, 1.....Portland
Claggett, Lloyd Alvin, C, n.....Salem	Cooper, James Marion, V, 1.....Corvallis
Clark, Cleon Ladd, F, 4.....Bend	Cooper, Kenneth, C, 2.....Corvallis
Clark, Georgina S., C, 4.....Halsey	Cooper, Robert L., F, 2.....Elgin, Ill.
Clark, Gordon K., A, 2.....Portland	Cooper, Virginia, C, 1.....Portland
Clark, Jerome W., C, 4.....Portland	Cooper, Wilbur D., CE, 2.....Parkdale
Clark, J. Woodson, C, 2.....Portland	Coopey, Martin P., CE, 2.....Corvallis
Clark, Margaret Frances, C, 4.....Portland	Copeland, John, V, n.....Klamath Agency
Clarke, James Edward, V, 1.....Portland	Corbett, Phyllis, V, 2.....Oregon City
Claus, Walter Charles, A, 1.....Silverton	Corbin, Uriel Lee, F, n.....Halsey
Clayton, Marjorie Helen, C, 2.....Enterprise	Corlew, Cecil L., EF, 2.....Portland
Clemens, Kathryn D., V, 2.....Portland	Correa, Rita Marie, H, 1.....Echo
Clements, Edwin Francis, V, 2.....Eagle Point	Correll, Howard L., F, 1.....Corvallis
Clemo, Webster T., C, 2.....Redondo, Calif.	Corum, Sam Milton, F, 2.....Silver Lake
Cliff, Barbara Helen, C, 1.....Silver Lake	Cory, Henry Newell, F, 4.....Lakeview
Clinton, Harry Forest, C, 2.....Corvallis	Coshow, Catherine C., O, 1.....Prineville
Clinton, Kathryn, O, 2.....Gresham	Cottrell, George W., P, 1.....Portland
Clinton, Victor Dale, C, 1.....Albany	Couey, Edgar Roy, C, 3.....Troutdale
Clodfelter, Harland R., Ch, 2.....Corvallis	Couey, Robert C., E, 1.....Troutdale
Coates, Catherine Miller, II, 1.....Albany	Coulter, Betty Lee, C, 1.....Waldo
Coates, Marion, H, 2.....Tillamook	Courtney, Eugene P., C, 1.....Woodburn
Coates, Olive S., H, 4.....Corvallis	Courtney, Robert Evan, F, 3.....Los Angeles, Calif.
Cobb, Alan W., Ch, 4.....Portland	Courtney, William B., F, 1.....Portland
Cochran, Jack B., E, 1.....Brownsville	Cowan, Max A., C, 1.....Oakland, Calif.
Cockrell, Geraldine Lois, H, 1.....Portland	Cowardin, Robert D., V, 2.....Corvallis
Cofasounno, Jr., Tom M., P, 1.....Portland	Cowen, Dale Russell, C, 3.....Portland
Coldiron, Nora Bell, V, 2.....Corvallis	Cox, Allen James, A, 2.....Aptos, Calif.
Coldwell, Frances, C, 1.....Portland	Cox, Clair H., G, 1.....Portland
Coldwell, William L., C, 1.....Portland	Cox, Jack O., V, n.....Corvallis
Cole, Mary Louise, II, 3.....Salem	Craig, Allen R., P, 2.....Corvallis
Cole, Opal Kathryn, II, 3.....Portland	Craig, Nita Belle, C, 2.....Portland
Coleman, James M., V, 3.....Corvallis	Cramer, Carl A., ME, 4.....Portland
Coleman, Ralph Post, V, 2.....Eugene	Crawford, Harold F., P, 2.....Eugene
Coleman, Timothy J., Ch, 3.....Portland	Crawford, Josephine P., H, 1.....Powers
Coleman, Warren Richard, P, 2.....Bend	Crawford, Randall V., C, 1.....Oregon City
	Crawford, Thomas, A, 1.....Roseburg

Crawford, Thomas H., ME, 2.....Santa Ynez, Calif.
 Crawford, Willard N., C, 1.....The Dalles
 Crayton, Kenneth Earle, A, 1.....Hood River
 Creder, Edwin A., V, 1.....Long Beach, Calif.
 Crenshaw, Donald K., C, 2.....Tillamook
 Crillo, Louise, C, 2.....Portland
 Crofoot, Violet, C, 4.....Portland
 Cronin, Jean Margaret, C, 1.....Pendleton
 Cronin, Robert, EE, 4.....Pendleton
 Crook, Alma M., H, 2.....Harlem, Mont.
 Crosby, Jean Frances, H, 1.....Portland
 Crossett, Lucy M., V, 2.....Portland
 Crouter, Alfred B., A, 4.....Union
 Crouter, Robert Warren, C, 1.....Union
 Crover, Nell F., V, 1.....Lebanon
 Crowell, Elizabeth L., H, 4.....Pasadena, Calif.
 Crowell, Hamblin Howes, F, 1.....Portland
 Crum, Dorothy Irene, H, 1.....Los Angeles, Calif.
 Crum, Ivan Watson, F, 1.....Medford
 Crum, Newton Robert, C, 1.....Los Angeles, Calif.
 Crum, Thomas Bronson, IA, 2.....Kalispell, Mont.
 Crump, Elmer W., C, 4.....Adel
 Crump, Viola Ruth, C, 2.....Lakeview
 Cullen, Frank B., F, 1.....Corvallis
 Cummings, Marie, V, 4.....Corvallis
 Cummings, Orlo G., C, 2.....Corvallis
 Cunliff, Gerald, EE, 4.....Dee
 Cupper, Mabel L., II, 4.....Salem
 Curl, Charles Holt, A, 1.....Portland
 Curl, Charles II., G, 1.....Portland
 Curran, Daniel E., CE, 4.....La Grande
 Currie, Jean, C, 4.....Cannas, Wash.
 Currin, Ruth Helen, V, 3.....Lorane
 Curtin, Victor, C, 2.....Portland
 Curtis, A. Ralph, A, 4.....Corvallis
 Curtis, Jack, C, 2.....Corvallis
 Cusick, Eugene H., Ch, 4.....Forest Grove
 D'Spain, Grace E., C, 2.....Milwaukie
 Dahl, Harold A., F, 2.....Troutdale
 Dahl, Russell Eugene, CE, 2.....Portland
 Dahlin, Verus, F, S.....Corvallis
 Daily, Delmar, P, C, 2.....Corvallis
 Dale, Dorothy I., C, 2.....Canyon City
 Dale, Helen Mary, H, 4.....Wallowa
 Dale, Margaret E., C, 4.....Canyon City
 Dairymple, Peggy D., II, 1.....Beverly Hills, Calif.
 Daly, Charles F., C, 2.....Portland
 Daly, Josie K., C, 1.....Lakeview
 Dammasch, Eleanor C., II, 1.....Portland
 Danforth, George, CE, 2.....Portland
 Danforth, Willia, V, 2.....Bend
 Dann, Erwin Allen, A, 4.....Fowler, Calif.
 Darling, Ineta H., H, 4.....Corvallis
 Darlington, Lawrence, V, 4.....Corvallis
 Darrow, Don O., E, 4.....Portland
 Dasch, Dale M., A, 4.....Salem
 Daubenspeck, Leona L., V, 1.....Portland
 Dae, Louis J., E, 1.....Portland
 Daugherty, Raye E., II, 1.....Yoncalla
 Davenport, Lloyd C., A, 1.....Myrtle Point
 Davey, Arloene E., H, 3.....Newberg
 Davidson, Marvin W., A, 3.....Haines
 Davidson, Mary Jane, H, 2.....Alberta, Canada
 Davies, John F., V, 3.....Los Angeles, Calif.
 Davis, Bernard W., E, 1.....Willamette
 Davis, Catherine, V, 2.....Portland
 Davis, Donald A., E, 1.....Eugene
 Davis, Donald Neil, E, 2.....Drain
 Davis, Eldon M., C, 2.....Portland
 Davis, Everett H., A, 2.....Corvallis
 Davis, Florence M., C, 3.....Portland
 Davis, Incz V., V, 2.....Orange, Calif.
 Davis, Irene Ruby, V, 3.....Estacada

Davis, Jr., James Hooper, ME, 4.....Honolulu, T. H.
 Davis, Keith E., A, n.....Corvallis
 Davis, Leontie M., V, 4.....Portland
 Davis, Lenard H., Ch, n.....Estacada
 Davis, Marie C., V, 1.....Portland
 Davis, Mary E., C, 2.....Sierra Madre, Calif.
 Davis, Owen Davies, CE, 2.....Honolulu, T. H.
 Davis, Owen Leroy, A, 3.....Ontario
 Davis, Platt A., Ch, 1.....Albany
 Davis, Ruth J., H, 3.....Corvallis
 Davis, Trist F., C, 1.....Corvallis
 Davis, Vivian Ann, II, 1.....Portland
 Davison, Donald M., F, 1.....Santa Ynez, Calif.
 Davolt, Claudine Virginia, V, 1.....Corvallis
 Dawson, John A., E, 1.....Corvallis
 Day, Horace, C, 1.....Husum, Wash.
 Day, Wilma Lucille, V, 2.....Hubbard
 Deakins, Sylvia L., H, 1.....Clackamas
 Dean, Doris, C, 1.....Hoquiam, Wash.
 Dean, Junior, V, 1.....Hoquiam, Wash.
 Deardorff, Eldon R., ME, 3.....Corvallis
 DeArmond, Ruth E., II, 2.....Sitka, Alaska
 DeArmond, Tom H., A, 4.....Suver
 Decious, Charles R., V, n.....Fort Bidwell, Calif.
 Dedman, Frank W., C, 4.....Corvallis
 Deeble, Sol, C, 1.....Long Beach, Calif.
 Dehlinger, Karl F., A, 1.....Klamath Falls
 Deiffel, John J., C, 4.....Portland
 DeJong, John, CE, 3.....Brownsmead
 de Lancey, Derald, V, 1.....Corvallis
 de Lancey, Raymond W., E, 1.....Corvallis
 Dement, Elizabeth, C, 1.....Myrtle Point
 Denham, James Frank, C, 2.....Talent
 Denman, Helen L., H, 4.....Corvallis
 Dennis, Jr., Charles Edward, ME, 2.....Klamath Falls
 De Reamer, Charles F., E, 1.....Portland
 Deremiah, Joe, A, 4.....Corvallis
 Dernbach, Clifford J., Ch, 3.....Portland
 DeRock, Alberta M., C, 2.....Vernonia
 Devine, Clyde F., V, 1.....Burlingame, Calif.
 DeVore, Byron H., A, 1.....Oakland
 DeVore, Helen D., H, 1.....Oakland
 Dew, Marie M., C, 1.....Corvallis
 DeWitte, Theodore R., CE, 4.....Portland
 DeYoung, Jacob, C, 1.....Portland
 Dibblee, J. Perry, IA, 1.....Rainier
 Dick, Bonita, II, 2.....New Pine Creek
 Dick, Elinor B., II, 2.....Portland
 Dickson, William Z., P, 4.....Portland
 Dill, Herman C., F, 3.....Prineville
 Dillin, Dorothy A., H, 4.....Ponoma, Calif.
 Diment, Ervin P., P, 4.....Newberg
 Dinmitt, Oliver L., C, 2.....Corbett
 Dinges, Ruth, C, 1.....Lexington
 Dirker, Brady, A, 2.....Portland
 Dishrow, Herbert F., V, 4.....Grants Pass
 Ditlevsen, Buel E., F, 1.....Kelo, Wash.
 Dixon, C. H. Gordon, F, 2.....Victoria, B. C.
 Dixon, Eugenia E., V, 2.....Corvallis
 Dixon, Harold E., E, 1.....Klamath Falls
 Dixon, William F., IA, 1.....Corvallis
 Ditzney, Clarence L., IA, 2.....The Dalles
 Dockery, Helen Olive, V, 2.....Portland
 Dockery, Wilson C., C, 1.....Portland
 Dodd, Wilson M., C, 1.....Portland
 Dodge, Glen W., A, 2.....Canyonville
 Dodge, Thomas C., E, 1.....Portland
 Doerksen, Ben, E, S.....Corvallis
 Dolan, Glen Q., ME, 4.....Portland
 Dolan, Mary J., H, 2.....Corvallis
 Dole, Hollis M., Ch, 1.....Grants Pass
 Don, Jean, II, 2.....Fossil
 Donald, William, F, 1.....Myrtle Point
 Donaldson, Vernon V., Ch, 1.....Portland
 Donelson, Kenneth W., C, 3.....Portland

Donley, Gordon R., A, 2.....	Portland
Donnelly, Francis K., E, 1.....	Portland
Doddy, Harvey Glenn, E, 1.....	Portland
Dooley, William A., C, 1.....	Portland
Dorner, William J., CE, 2.....	Portland
Dorsey, Glen R., V, 3.....	Albany
Doty, Darwin H., C, 2.....	Corvallis
Dougherty, John W., CE, 2.....	Portland
Doughton, Howard F., C, 3.....	Lebanon
Doughton, Webber P., A, 4.....	Lebanon
Douglass, Charles T., ME, 3.....	San Francisco, Calif.
Douglass, Donald S., C, 1.....	Spokane, Wash.
Douglass, Francis H., C, 3.....	Spokane, Wash.
Dowling, George M., C, 1.....	Portland
Dowling, Julia L., C, 2.....	Albany
Doyle, John B., F, 4.....	Oregon City
Doyle, William G., A, 1.....	Portland
Drager, George E., C, 1.....	Salem
Drake, Miles E., F, 3.....	Portland
Dresser, Leland, ME, 2.....	Santa Ana, Calif.
Dreisbach, Marjory H., 2.....	Baker
Drew, Harold H., E, 1.....	Junction City
Dreyer, Martha D., H, 4.....	Portland
Driggs, Marion I., C, 2.....	Salem
Druschel, Dorothy J., V, 3.....	Portland
Drynan, Jean W., V, 1.....	Portland
Drysdale, Scott S., V, 1.....	Corvallis
Dudley, Gerald P., V, 4.....	Wolf Creek
Duerr, Mary Elizabeth, C, 1.....	Portland
Duff, Gayle Elizabeth, V, 4.....	Portland
DuFrane, Jack Louis, C, 4.....	Corvallis
Dumble, Charles S., E, 1.....	Bakersfield, Calif.
Duagan, Averitt C., ME, 2.....	Scotts Mills
Duncan, Violet W., C, 1.....	Corvallis
Dunford, LeVon Perry, F, 1.....	Medford
Dunham, Donald B., C, 4.....	Klamath Falls
Dunham, Marion, H, 2.....	Corvallis
Dunkelberger, Jerry George, O, 2.....	Portland
Dunkelberger, Richard B., C, 3.....	Portland
Dunkin, Marshall F., V, 2.....	Portland
Dunlap, Clarence, EE, 3.....	Sutherlin
Dunlap, Kendrick A., C, 1.....	Kent
Dunlap, Rodney T., ME, 4.....	Portland
Dunn, Barbara W. H., 1.....	Junction City
Dunn, Henry L., A, 4.....	Corvallis
Dunn, Kenneth W., A, 1.....	Junction City
Dunn, Margaret L., H, 4.....	Dallas
Dunn, Richard William, V, 3.....	Portland
Dunning, James Joseph, F, 2.....	Portland
Durland, Samuel Clyde, ME, 4.....	Roseburg
Durning, Lewis, P, 1.....	Corvallis
Dutcher, T. Paul, A, 4.....	Corvallis
Dyhrman, Harry A., M, 3.....	Corvallis
Dykstra, Erna Fay, C, 1.....	Corvallis
Ea, Domingo E., A, 2.....	Corvallis
Eachus, Katherine, H, 4.....	Lakeport, Calif.
Eade, Howard R., ME, 2.....	Warrendale
Eagles, Barbara Katherine, O, 4.....	Albany
Eastman, Winnifred, H, 2.....	Silverton
Eaton, R. Staniford, C, 1.....	Portland
Ebbert, Gordon M., E, 1.....	Monmouth
Ebert, Arnold, C, 1.....	Echo
Eckholm, Oke, A, 1.....	Marshfield
Edgar, John, M, 2.....	Portland
Edgerton, Lois E., II, 4.....	Grants Pass
Edwards, Edna Martha, V, 2.....	San Francisco, Calif.
Edwards, Aileen, C, n.....	Corvallis
Edwards, Fern E., V, 3.....	Portland
Edwards, Grant H., V, 4.....	Corvallis
Edwards, W. Herbert, CE, 4.....	Boring
Efteland, J. Edward, C, 4.....	Portland
Egan, Bryan Edward, ME, 2.....	Corvallis
Eggstaff, Carlton John, ME, 2.....	Corvallis
Eichmann, Robert D., A, 2.....	Corvallis
Eichner, Loleta Miriam, C, 1.....	Lebanon
Fickworth, Merle, O, 2.....	Empire
Eisenbrey, Evalyn, H, 2.....	Pomona, Calif.
Eisenbrey, Morris M., M, 2.....	Pomona, Calif.
Eisenschmidt, Herbert, V, 2.....	Portland
Ekstrand, Clarence Charles, V, 1.....	Portland
Elden, George W., C, 4.....	Central Point
Elder, Edith Dillon, C, 1.....	Corvallis
Eldredge, George G., Ch, 1.....	Vale
Eldredge, Kenneth Roland, EE, 4.....	Portland
Eldridge, Frederick Lee, V, 3.....	Corona, Calif.
Eldridge, Robert Louis, C, 2.....	Detroit, Mich.
Eliasson, Frans William, V, n.....	Astoria
Elliott, Mary, V, 1.....	Portland
Ellis, David H., E, 1.....	Portland
Elmore, Charles Herbert, A, 1.....	Applegate
Emery, Clifford Kenneth, EE, 2.....	Portland
Emery, Gladys E., H, 1.....	Eugene
Emmett, James Lowell, C, 2.....	Salem
Emmett, LaVora Alice, A, 1.....	Albany
Emmett, Mildred Rozetta, V, 1.....	Albany
Enriek, Walter E., A, 4.....	Tangent
Endicott, Gilma Ellen, H, 1.....	Corvallis
Engren, Edwin, A, 3.....	Marshfield
Engelbretsen, Kenneth M., C, 4.....	Rainier
Engel, Frank, C, 1.....	Salem
Engel, Margaret J., C, 2.....	Salem
Engelstad, Edwin B., Ch, 4.....	Portland
Enke, Robert Arnold, Ch, 1.....	Portland
Ennor, Harold Varley, EE, 4.....	Salem
Enzie, Vincent J., A, 3.....	Long Beach, Calif.
Epperson, Kathryn Cora, V, 1.....	Portland
Erard, Edward Louis, A, 1.....	Mexico, D. F.
Erickson, Alvin Eric, C, 3.....	Grants Pass
Erickson, Edwin A., F, 1.....	Clatskanie
Erickson, Gilbert G., C, 2.....	Corvallis
Erlandson, Gilbert G., V, 4.....	Portland
Erne, Harold A., V, 1.....	Myrtle Point
Ernst, Lester William, C, 1.....	St. Paul
Erwin, Warde H., C, 1.....	Portland
Esbenshade, Gertrude Louise, V, 2.....	Portland
Esselstrom, Harold, C, 1.....	Scottsburg
Evans, Donald Edward, E, 1.....	Portland
Evans, Richard Bertrand, V, 4.....	Pendleton
Everden, William, A, 3.....	Warrenton
Everest, F. Alton, EE, 4.....	Portland
Everhart, Adree Tyrone, C, 1.....	Oregon City
Ewalt, Harold P., A, 3.....	Corvallis
Ewen, Dorothy E., H, 1.....	McMinnville
Ewing, Helen G., H, 1.....	Oswego
Ewing, Herbert Eddy, V, 3.....	Oswego
Fagans, Kenneth, V, 4.....	Corvallis
Failing, William J., CE, 2.....	Portland
Falbaum, Selma H., 2.....	Cameron, Mont.
Fallen, Walter, V, 2.....	Post
Faller, Bernadine, F, 4.....	Lebanon
Farris, Thelma Ivan, F, 2.....	Corvallis
Farley, Jr., Dean, A, 1.....	South Pasadena, Calif.
Farley, Lester T., C, 4.....	Corvallis
Farr, John C., A, 1.....	Warren
Farrar, Richard Emerson, C, 1.....	Odell
Farrar, Edna Rose, G, 1.....	Portland
Farrow, Stanley L., E, 1.....	Corvallis
Faumce, Edith Elizabeth, C, 3.....	Eugene
Faust, Robert G., E, 1.....	Portland
Faveluke Eugene, C, 2.....	Portland
Ferguson, Tina Esther, H, 1.....	Portland
Felker, Samuel Alfred, V, 3.....	Eagle Creek
Feltrop, Frank T., V, 1.....	Avalon, Calif.
Fenn, Joel R., A, 2.....	Melrose
Fenner, Benjamin C., P, 2.....	Corvallis
Fenner, Keith Peck, Ch, 2.....	Corvallis
Fenstermacher, John B., C, 3.....	Piedmont, Calif.
Ferguson, Wallace, C, 2.....	Marshfield
Ferris, Charles Melvin, A, 4.....	Oakland, Calif.
Fesser, Dora Helen, H, 2.....	Portland
Ficklin, John Albert, C, 3.....	Huntington
Field, Elizabeth M., V, 1.....	Glendale, Calif.

Field, Eugene, E, S,Portland
 Field, Harry M., C, 1,Corvallis
 Filipoff, John William, IA, 1,Hatsley
 Finch, Marjorie LaVerne, C, 4,Tillamook
 Finch, Robert W., A, 3,Fullerton, Calif.
 Finegan, Harold J., A, 3,Cornelius
 Finell, Herman E., IA, 2,Marshfield
 Finer, George Edwin, E, 1,Portland
 Finer, John Edward, E, 1,Portland
 Fink, William J., A, 3,Sacramento, Calif.
 Finlay, Donald W., ME, 2,Portland
 Finlay, Gordon Alvin, V, 1,Portland
 Finley, Edward J., C, 3,Tigard
 Finnell, Harold E., A, 2,Portland
 Fischer, Eugenia Bernadine, H, 4,Albany
 Fish, Alice Nelda, V, 4,Bridg
 Fisher, Alice Mary, V, 4,Albany
 Fisher, Dorothy Alice, G, 1,Portland
 Fisher, Eugene H., A, 3,Oakland
 Fisher, Fred Richard, C, 1,Portland
 Fisher, Helen E., H, 1,Shaniko
 Fiske, Barbara W., V, 1,Portland
 Fitzpatrick, Marian E., H, 1,Albany
 Fitzstephens, William Barnett, EE, 2,Corvallis
 Fletcher, Elizabeth May, H, 3,Portland
 Fletcher, Ellsworth R., EE, 2,Salem
 Fletcher, George A., A, 3,Hood River
 Flock, Otto Alva, A, 1,Oakridge
 Flood, Dagmar, H, 2,Westport
 Flood, Einar J., E, 1,Westport
 Flood, Frida, V, 2,Westport
 Flora, Blayne J., F, S,Carlton
 Flora, Lloyd James, EE, 2,Carlton
 Flory, Jane Elizabeth, V, 1,Portland
 Flower, Winifred Alice, II, 1,Portland
 Fogler, Loren Irving, CE, 3,San Bernardino, Calif.
 Fotey, Francis B., F, 3,Palo Alto, Calif.
 Folsom, David Stone, Ch, 1,Palo Alto, Calif.
 Foote, Richard Burton, E, 1,St. Helens
 Forcum, Paul Eugene, Ch, 4,Whitefish, Mont.
 Forden, Georgia Eleanor, C, 2,Hood River
 Foreman, Harold J., V, 2,Hood River
 Foreman, Paul Breck, C, 2,Baker
 Forrest, Howard L., V, 1,Rainier
 Forrest, William, A, 2,Myrtle Point
 Forrester, Jesse Wayne, C, 1,Marshfield
 Forrester, Ruth Marie, II, 1,Marshfield
 Forsey, Harry Bernarr, F, 2,Courtney, B. C.
 Forsyth, Norton Alexander, C, 4,Santa Rosa, Calif.
 Foster, Charles A., C, 1,Portland
 Foster, Harold M., F, n,Lorane
 Foster, Lyle W., C, 3,Portland
 Foster, Marjorie II, H, 1,Corvallis
 Fostering, Arthur W., EE, 4,La Grande
 Foulke, Katherine May, H, 1,Yreka, Calif.
 Fournier, Edward Eugene, F, 1,Portland
 Fowells, Harry Ardell, F, 4,Corvallis
 Fowells, Mildred D., V, 2,Corvallis
 Fowler, Marian I., H, 1,Portland
 Fox, Esther Hansen, C, 2,Portland
 Fox, Henry G., A, 1,Lakeview
 Fox, Nelson Henry, V, 4,Portland
 Frakes, Edna Belle, H, 2,Lakeview
 Francis, Lawrence E., A, 4,Corvallis
 Frandsen, Thorvald, CE, 2,Alhambra, Calif.
 Frank, Eugene Frederick, ME, 2,Baker
 Franklin, Norman C., V, 1,Long Beach, Calif.
 Fransén, Florence Hanna, H, 1,Portland
 Franke, Evelyn Gladys, H, 2,Newport
 Frazee, A. Wilfred, A, 1,Leaburg
 Frederick, Amby, C, 4,Medford
 Frederick, Virginia M., C, 2,Medford

Freeborn, Jean Alice, C, 3,Washington, D. C.
 Freeman, Albert, ME, 4,Portland
 Freitag, Robert A., EE, 2,Portland
 Frewing, Darroll K., A, 3,Tigard
 Frey, Julia Alice, V, 3,Portland
 Friend, Elbert L., V, 1,Corvallis
 Frost, David William, A, 1,Boring
 Frost, Elizabeth A., H, 3,Sandy
 Frost, Kathryn M., G, 1,Sandy
 Fryrear, Brooks G., F, 1,Echo
 Fulkerson, Doris E., V, 1,Corvallis
 Fuller, Charles Robert, C, 1,San Bernardino, Calif.
 Fuller, George A., E, 1,Corvallis
 Fuller, Jr., Leonard F., E, 1,Palo Alto, Calif.
 Fyock, Charles William, C, 1,Portland
 Gable, Lucille Eleanor, V, 2,Portland
 Gabler, Elizabeth C., V, 3,Portland
 Gabriel, Aurelio N., V, 4,Corvallis
 Gaddis, Jean Elizabeth, H, 1,Portland
 Gail, Budd W., P, 2,Medford
 Gallagher, Raymond, EE, 2,Woodburn
 Gallaher, Mrs. Estelle E., II, 3,Corvallis
 Gallaher, M. Carl, V, n,Corvallis
 Galloway, G. Holbrook, Ch, 4,Hood River
 Galloway, Torrence, C, 1,Culver
 Ganong, Joanne S., V, 2,Portland
 Garbe, Herman R., P, 1,Redondo Beach, Calif.
 Gardenshire, Charles Frederick, P, 2,Portland
 Gardiner, Rosemary, H, 4,Oregon City
 Gardiner, William Walter, ME, 2,Portland
 Gardiner, Frank, P, 4,The Dalles
 Gardner, Mary Allison, C, 4,Napa, Calif.
 Gardner, Neil S., O, 2,Corvallis
 Gardner, Vernon C., C, 4,Turlock, Calif.
 Garhardt, Mart K., V, 2,Portland
 Garland, Charles Walter, C, 2,Corvallis
 Garlinghouse, Acel, A, 1,Halfway
 Garlinghouse, Lester E., EE, 2,Halfway
 Garner, Harry William, M, 1,Corvallis
 Garretson, Henry Merle, Ch, 4,Portland
 Garrigues, Dorothea Elizabeth, H, 2,Portland
 Garrison, Ray Leonard, A, 1,Nyssa
 Garrow, Lloyd J., C, 2,Corvallis
 Gary, Marian Caroline, V, 2,Portland
 Gaskins, Eleanor Carolyn, C, 1,Corvallis
 Gault, Effie Jean, H, 2,Gladstone
 Gawley, Alred, G, 1,Portland
 Gaylord, Charles B., C, 3,Portland
 Gearhart, Agnes, H, 1,Myrtle Point
 Gearhart, Hazel, V, 2,Myrtle Point
 Gearhart, John Chase, E, 1,Portland
 Gentle, Catharine Margaret, V, S,Monmouth
 Gentry, Thelma F., C, 1,Corvallis
 George, Frances Lucile, H, 2,Echo
 Geren, John L., CE, 3,Scotts Mills
 Gerlach, Claude Theodore, P, 2,Coquille
 Germain, Donald, P, 3,Portland
 Gerrish, John M., ME, 2,Portland
 Getz, Robert P., C, 2,Corvallis
 Gibbs, Howard Scott, V, 2,Albany
 Gibbs, Jack Athan, ME, 2,Roseburg
 Gibson, Clifford Hinton, C, 1,Portland
 Gibson, Fern L., C, 3,Corvallis
 Gibson, Howard, A, 2,Corvallis
 Gibson, Warren Oliver, E, 1,Corvallis
 Gilbert, Frank H., EE, 2,Portland
 Gilbert, Inez, P, 2,Corvallis
 Gilbert, Lucile, H, 4,Corvallis
 Gilbert, Theodore D., C, 2,Albany
 Gilbert, Warren Everett, CE, 3,Corvallis
 Gilbert, William Bali, E, 1,Portland
 Giles, Frank R., C, 2,Portland

- Gill, Francis, V, 3.....Monmouth
 Gillian, Crosby Lee, Ch, 1.....Glendale, Calif.
 Gillanders, Dorothy F., V, 2.....Monitor
 Gilles, Donald M., ME, 2.....Portland
 Gillespie, Robert Braden, E, 1.....Portland
 Gillis, Laura Du, V, 2.....Bend
 Gilmore, William James, V, 2.....Corvallis
 Ginther, Francis T., CE, n.....Lebanon
 Glasscock, Ethel Faye, V, 4.....Yakima, Wash.
 Glaze, Arletha Lavern, V, 4.....Corvallis
 Gleason, Edworth J., Ch, 3.....Portland
 Gleason, Harry Myron, C, 2.....Corvallis
 Gleason, Norville Robert, E, 1.....Salem
 Godard, F. Lois, V, 2.....Cottage Grove
 Godlove, Harry G., F. S.....Scotts Mills
 Godman, John Robert, EE, 3.....Corvallis
 Goff, Wayne Leroy, CE, 4.....Medford
 Goldsberry, Archie Alvin, IA, 2.....Auburn, Calif.
 Goodall, G. Robert, A, 2.....Eugene
 Goode, Mabel Irene, H, 1.....Portland
 Goodfellow, Peggy Irene, C, 2.....Salem
 Goodman, Gladys, II, 2.....Portland
 Goodwin, Ruth, V, 2.....Portland
 Gordon, Delph Mary, H, 3.....Portland
 Gosney, Clyde Albert, C, 1.....Marshfield
 Goss, John Dean, A, 2.....Portland
 Goss, Mary Catherine, V, 1.....Portland
 Goss, Walter Alling, P, 4.....Portland
 Gottenberg, Angeline Grace, H, 1.....Silverton
 Gove, Mahlon, Ch, 1.....Corvallis
 Gove, Wilma Chapman, V, 1.....Corvallis
 Graf, Jack F., A, 1.....Tillamook
 Graf, Vera Helene, H, 1.....Shedd
 Graham, Crawford H., E, 1.....Castle Rock, Wash.
 Graham, Eugene Earl, Ch, 2.....Fruitland, Ida.
 Graham, Jr., Tom R., P, 1.....Corvallis
 Gramms, Dorothy Morton, C, 1.....Astoria
 Grant, Annabelle Janet, C, 4.....Portland
 Grant, Florence V., V, 1.....Corvallis
 Grant, Gordon Lynn, C, 3.....Portland
 Gray, Charles Marshall, C, 2.....Gold Hill
 Gray, Iris, O, 2.....Juneau, Alaska
 Grayson, Mark Alfred, V, 4.....Portland
 Green, Bernice H., V, 1.....Portland
 Green, Charlotte Delia, H, 2.....Vernonia
 Green, Norman Holton, C, 2.....Vernonia
 Greenhoot, Kenneth, E, 1.....Yamhill
 Greenlaw, Arnold Z., CE, 2.....Palo Alto, Calif.
 Greenwell, Jack Brysson, C, 2.....Hawaii, T. H.
 Gregory, Edward Mortimer, ME, 2.....Albany
 Gregory, Lester J., Ch, 3.....Molalla
 Gregory, Maurine Olive, V, 3.....Newberg
 Gregory, Thelma Alleen, V, 2.....Newberg
 Greno, Raphael V., C, 4.....Los Angeles, Calif.
 Greves, Jack Hans, M, 2.....North Bend
 Griffice, Mrs. Lucy Williamson, V, 3.....Corvallis
 Griffin, Alice Rheas, H, 1.....Portland
 Griggs, Lloyd Hirma, A, 4.....Cottage Grove
 Grigsby, Jane B., C, 1.....Juneau, Alaska
 Grimes, Edgar B., A, 3.....Harrisburg
 Grimes, Parker Russell, F, 1.....Corvallis
 Grimes, Philo Dwight, C, 1.....Portland
 Grimmet, Evelyn Gay, C, 1.....Medford
 Gropp, William Helmut, ME, 4.....Eugene
 Gross, Alvin Eugene, A, 4.....Halfway
 Gross, Clifford A., EE, 2.....Halfway
 Gross, Hal Ramon, V, 1.....Corvallis
 Gross, William Ellis, F, 1.....Halfway
 Grosz, Walter John, CE, 4.....Portland
 Grover, Marion I., C, 3.....Fruitland, Ida.
 Groves, Francis William, A, 1.....Amity
 Guderman, Ben Alfred, C, 4.....Pendleton
 Guerin, Jean Louise, H, 1.....Myrtle Point
 Gumpert, Clyde, V, 3.....Sheriff
 Gunderson, Henry D., EE, 2.....Silverton
 Gunter, Ida Cora, C, 2.....Grants Pass
 Gunzel, Dorice E., C, 1.....Freewater
 Gustafson, Arthur W., V, 3.....Klamath Falls
 Gustafson, Harold Wayne, F, 1.....Woodburn
 Gustafson, Walter A., F, 4.....Corvallis
 Guthrie, Wynetta, C, 2.....Corvallis
 Gwyther, Vera Pauline, H, 1.....Creswell
 Haan, Clarence M., IA, 4.....Ashland
 Hackett, Ruth Caroline, II, 2.....Grants Pass
 Hadley, Harold Hubert, C, 4.....Vale
 Hadley, Helen May, C, 1.....Tillamook
 Hagar, Edward William, A, 2.....Roseburg
 Hagar, Marian Virginia, H, 3.....Roseburg
 Hagen, Clarence Lloyd, V, 4.....Nashwauk, Minn.
 Hagen, Gilbert C., Ch, 2.....Pendleton
 Hagen, Harold E., C, 1.....Bend
 Hagen, Leslie Wendall, C, 2.....Pendleton
 Haig, Tyrus J., V, 1.....Rockaway
 Hale, Edward Everett, E, S.....Portland
 Haley, Thomas Irving, E, 1.....Portland
 Hall, Beatrice Burdette, II, 2.....South Pasadena, Calif.
 Hall, Dorothy Helen, C, 3.....Portland
 Hall, Heath Vale, F, 1.....Salem
 Hall, Leonard, E, 1.....Vernonia
 Hall, Marion Gertrude, H, 2.....Portland
 Hall, Thomas C., A, 4.....Corvallis
 Hall, Wilhelmina, V, 3.....Corvallis
 Halladay, Glenn Clyde, C, 1.....Monmouth
 Hallinan, Cecil Walter, V, 1.....Oregon City
 Halseth, Cordiner J., ME, 2.....Portland
 Haly, Phillip S., E, 1.....Oakland, Calif.
 Hamblen, Milton Willis, E, S.....Portland
 Hamblin, John S., E, 1.....Ketchikan, Alaska
 Hammel, Freda Kathryn, V, 4.....Monmouth
 Hammer, Kenneth Oliver, V, 4.....Rainier
 Hammers, Roy Milton, F, 1.....Hood River
 Hammon, Thorne Harrison, C, 3.....Portland
 Hammond, Vivien Blanche, H, 1.....Portland
 Hanner, Leonard Allen, P, 1.....Albany
 Hanan, Emma Belle, H, 1.....Paistey
 Hanberg, Byron William, E, 1.....Boring
 Hand, E. Romona, H, 1.....Corvallis
 Hanks, Eldon Dee, P, 1.....La Grande
 Hanley, Edward Dennis, Ch, 1.....Portland
 Hanley, William Vincent, CE, 3.....Portland
 Hanna, John Muir, C, 2.....Corvallis
 Hanselman, George, C, 2.....Portland
 Hansen, Alice May DeLyria, H, n.....Milton
 Hansen, Dale Henry, EE, 4.....Marshfield
 Hansen, Elmer, A, 2.....Freewater
 Hansen, Elsie Christina, H, 1.....Portland
 Hansen, Howard Benjamin, A, 3.....Terrebonne
 Hansen, Wilfred, E, 1.....Portland
 Hanson, Orrie Wilford, F, 4.....Silverton
 Hanson, Raymond A., C, 3.....Portland
 Hanthorn, Howard E., Ch, 4.....Portland
 Hanthorn, Walter, ME, 2.....Portland
 Harbeck, Marie Monica, A, 4.....Grants Pass
 Harber, William Glover, CE, 2.....Albany
 Harding, Bruce Patton, C, 2.....Santa Ana, Calif.
 Harer, W. Sherman, EE, 2.....La Grande
 Harlan, Clarence B., IA, 2.....Corvallis
 Harms, F. Champ, C, 4.....Portland
 Harn, Wayne, V, 2.....Corvallis
 Harper, Curtis T., Ch, 2.....Portland
 Harper, Muriel E., V, 2.....Altura, Calif.
 Harper, Robert Selvester, A, 2.....Adin, Calif.
 Harrang, Norman Orville, A, 3.....Foster
 Harrington, Everett Jay, EE, 2.....Marshfield
 Harrington, John D., C, 3.....McMinnville
 Harrington, Joseph E., M, 4.....Corvallis
 Harris, Carl Sidney, E, 1.....Ketchikan, Alaska
 Harris, Edward C., ME, 2.....Condon
 Harris, Walter Lee, Ch, 2.....Medford

Harrison, Inez Ruth, V, 3.....Portland
 Harrison, Marshall Bohn, C, 2.....Portland
 Hart, Chester A., E, 1.....Portland
 Hart, Gifford Thompson, ME, 2.....Kerby
 Hart, J. Lorene, C, 2.....Jefferson
 Hart, Lucy Elizabeth, C, 3.....Kerby
 Hartford, Frank Louis, ME, 2.....Portland
 Hartley, George Wellington, C, 3.....Portland
 Hartley, Mary Ellen, C, 1.....Broadbent
 Harvey, Donna Mae, V, 2.....Portland
 Harvey, Guy Marvin, V, 2.....Portland
 Harwood, Martyn, E, 1.....Claremont, Calif.
 Harwood, Thomas William, C, 1.....Portland
 Hatch, Adah Knapp, V, 4.....Corvallis
 Hatch, Loring, CE, 2.....Falls City
 Hathorn, Jesse, F, 2.....Hood River
 Hauner, Frederick John, C, 2.....Portland
 Hauswirth, Armin O., V, 1.....Albany
 Hauswirth, Walter H., EE, 2.....Albany
 Hawkins, Ward Chambers, E, 1.....Gladstone
 Hawley, Helen Ruth, H, 4.....Lexington
 Hay, Clifford Charles, A, 2.....Philomath
 Hayden, Bernice Elaine, A, 2.....Hibbing, Minn.
 Hayden, Helen Elizabeth, H, 4.....Klamath Falls
 Hayes, Burke, EE, 2.....Pendleton
 Haygood, Myri A., F, 1.....Corvallis
 Hayman, Richard John, C, 2.....Estacada
 Haynes, Bliss, A, 2.....Coeur d'Alene, Ida.
 Haynes, Helen Dorothy, H, 2.....Gladstone
 Hayssen, Leonard E. O., CE, 2.....Portland
 Hazeltine, Amy Carolina, H, 1.....South Bend, Wash.
 Heacock, Woodrow Arthur, E, 1.....P. I.
 Head, William, V, 2.....Corvallis
 Heartwell, James Charles, V, 3.....Long Beach, Calif.
 Heater, Lyle DeLoss, C, 2.....Portland
 Heath, Harold Hixson, IA, 2.....Gates
 Heath, Ralph E., G, 1.....Gorden City, Tex.
 Heath, Virgil Taylor, V, 2.....Gates
 Hedgpeth, Joel, A, 2.....Fresno, Calif.
 Heide, Lawrence William, C, 2.....Anaheim, Calif.
 Heikenen, Arnold, C, 1.....Portland
 Heimann, Richard Joseph, V, 2.....Altadena, Calif.
 Heinal, Lawrence Fredric, ME, 3.....Lebanon
 Heise, Wesley Clay, C, 3.....Salem
 Helber, Fred E., EE, 3.....Portland
 Held, Leonard Edgar, C, 2.....Corvallis
 Helmick, Paul Franklin, ME, 2.....Corvallis
 Helser, Raymond Jack, C, 1.....Portland
 Hemenway, Almond Read, A, 1.....Cottage Grove
 Hemleben, Edwin Charles, Ch, 1.....Corvallis
 Henderson, Edith, H, 1.....Portland
 Henderson, Milton F., Ch, 1.....Portland
 Henkle, Clarke Williston, A, 2.....Moro
 Henry, Betty Sue, C, 1.....Portland
 Henry, Cozette D., C, 1.....Corvallis
 Heplurn, Malcolm John, G, 1.....Portland
 Herbert, John Mitchell, A, 1.....Montclair, N. J.
 Hermann, Theodore Thomas, V, 2.....Corvallis
 Herrcall, Ralph E., F, 1.....Enright
 Herrick, Donald K., E, 1.....Portland
 Herrington, Doris Florence, Ch, 2.....Portland
 Herron, Raymond Virgil, C, 2.....Junction City
 Hertz, DeMaris, C, 2.....Portland
 Hertz, Howard Davis, ME, 2.....Portland
 Heryford, George Henry, A, 2.....Butte Falls
 Hess, Dorothy Deane, F, 3.....Portland
 Hesse, Evelyn V., V, 3.....Hillsboro
 Hessler, Mina, H, 4.....Dayton
 Hibbard, George Harry, V, 1.....Molalla
 Hickox, Harlow Henry, IA, 2.....Gaston

Hicks, Donald B., V, 1.....Portland
 Hicks, Leonard John, E, 1.....Portland
 Higgins, Gordon W., C, n.....Talent
 Hill, Carl Milton, IA, 2.....Days Creek
 Hill, Earl LeRoy, V, 2.....Corvallis
 Hill, Fred, C, 1.....Pendleton
 Hill, Harold Sidney, C, 2.....Eugene
 Hill, Robert Eugene, CE, 2.....Corvallis
 Hill, Ruth Eleanor, V, 1.....Baker
 Hills, Raymond F., F, 1.....Jasper
 Hillstrom, Alphonse M., C, 2.....Marshfield
 Hinchcliff, Jean Louise, H, 2.....Claremont, Calif.
 Hisey, Jean Earl, C, 2.....Pasadena, Calif.
 Hitchcock, Dick Charles, F, 1.....Ashland
 Hixson, Arthur J., E, 1.....Mertin
 Hjertager, Harold E., F, 2.....Hitt, Calif.
 Hoberg, Ralph Waldo, F, 3.....Florence
 Hocken, Robert Allyn, V, 2.....Corvallis
 Hodson, Irene Lillian, V, 3.....Marshfield
 Hoeh, Irene, C, 2.....The Dalles
 Hofer, Robert Dent, C, 1.....Portland
 Hoff, William Sherrett, C, 2.....Portland
 Hoffman, Cathrin A., H, 2.....Vernonia
 Hoffman, John George, Ch, 1.....Portland
 Hole, Douglas Chester, F, n.....Jennings Lodge
 Hole, Mary Elizabeth, H, 1.....Jennings Lodge
 Holland, Alta Louise, V, 1.....Portland
 Holland, Clinton Hugh, EE, 2.....Corvallis
 Hollenbeck, Charles Robert, E, 1.....Fruitland
 Hollingsworth, Gladys Elaine, V, n.....Belingham, Wash.
 Hollis, Roy Francis, M, 2.....Chico, Calif.
 Holmes, Arnold, E, 1.....Portland
 Holmes, Eldon Fredrick, F, 2.....Albany
 Holmes, Joseph Arnold, E, 1.....Portland
 Holt, Gwynn Arthur, C, 2.....Corvallis
 Holt, Virginia Maurine, V, 2.....Salem
 Holverstott, Curtis H., A, 1.....McKinley
 Homolac, Henry Leo, F, 2.....Pasadena, Calif.
 Homolac, Herbert, V, 1.....Pasadena, Calif.
 Hood, Donald B., C, 3.....Portland
 Hood, John Gordon, A, 2.....Vancouver, Wash.
 Hood, Mildred, H, 1.....Vancouver, Wash.
 Hoover, Helen Mae, C, 2.....Independence
 Hoover, Thelma L., C, 3.....Independence
 Horn, Francis M., A, 4.....Cottage Grove
 Horn, Leuvera, V, 3.....Salem
 Horn, Ralph W., F, 4.....Portland
 Hornbrook, Ezra Miron, F, 2.....Corvallis
 Horrocks, Richard E., C, 1.....Portland
 Hortaleza, Graciano Zabala, ME, 2.....P. I.
 Hotchkiss, Mae Alcen, C, n.....Lakeview
 Hottel, Curtiss Roxanne, V, 4.....Milwaukie
 Houk, Viola Vivian, C, 1.....Perrydale
 Houser, Jack Gerard, ME, 2.....Corvallis
 Howard, Edgar F., ME, 4.....Corvallis
 Howard, Ellis C., A, 1.....Baker
 Howard, George Russell, C, 2.....Pendleton
 Howard, James Martin, C, 4.....Milton
 Howard, Roberta Lois, G, 1.....Corvallis
 Howard, Wilma Lorene, H, 2.....Corvallis
 Howe, Ruth Maurine, V, 2.....Salem
 Howe, Wallace W., C, 1.....Portland
 Howells, Robert Fuller, E, 1.....Corvallis
 Howie, George W., EE, 4.....Corvallis
 Howland, Daphne Marie, H, 4.....Corvallis
 Hoyt, Kenneth R., A, 2.....Corvallis
 Hoyt, Laurel Milo, P, 1.....Eugene
 Hoyt, Leonard C., C, 2.....Portland
 Hrubetz, Florian Anne, F, 4.....Salem
 Huber, John H., V, 2.....Portland
 Huddleston, Francis M., Ch, 2.....Corvallis
 Hudson, Leonard, A, 2.....Elkton
 Huerth, Evelyn, C, 2.....Oregon City
 Huff, Hal Smith, V, 1.....Corvallis
 Huffman, Emmett Venoy, C, 3.....Ontario

- Hughes, Frank Owen, C, 2.....Freewater
 Hughes, Gerald Howard, A, 2.....Stanford,
 Mont.
 Hughes, Henry Thomas, IA, n.....Corvallis
 Hull, John Frederick, A, 2.....Corvallis
 Hull, Ruby Mabel, II, 1.....Monroe
 Hulse, Clarence Edgar, G, 1.....Sherwood
 Humphrey, Frank E., C, 2.....Reno, Nev.
 Humphrey, Martha Louise, V, 4.....Portland
 Humphrey, Norma Ella, C, 1.....Pilot Rock
 Humphreys, Robert, ME, 4.....Enterprise
 Humphrys, Winifred Lois, C, 4.....Jennings
 Lodge
 Hundley, Rita Aileen, V, 1.....Malin
 Hunt, Fred Leroy, ME, 3.....Keating
 Hunt, Lec Oscar, F, 4.....Corvallis
 Hunt, R. Alan, A, 1.....Keating
 Hunter, Byra Margaret, H, 3.....Corvallis
 Hunter, Harriet Helen, C, 2.....Klamath Falls
 Hunter, Robert Hill, F, 1.....Klamath Falls
 Huntington, George Cooper, A, 4.....Altadena,
 Calif.
 Huntley, Jr., LeRoy Henry, F, 1.....Milwaukie
 Hurlburt, Arthur R., A, 1.....Corvallis
 Hurlburt, Lewis Coulter, C, 2.....Warrenton
 Hurley, Vincent A., P, 4.....Corvallis
 Hurst, Paul Causey, F, 1.....Corvallis
 Huseth, Edith Mae, C, 2.....Great Falls, Mont.
 Hussey, Helen Rosalie, C, 1.....Portland
 Hutchens, Meredith Denton, C, 2.....Klamath
 Falls
 Hutchins, Harold Jackson, E, 1.....Hollywood,
 Calif.
 Hutchins, Johr. R., F, 1.....Brownsville
 Hutchinson, Glenn Lowell, A, 4.....Corvallis
 Hutchinson, Robert J., ME, 2.....Multnomah
 Huyer, Winifred Cathrine, C, 2.....Portland
 Hyatt, Hazel Lorraine, H, 1.....Pendleton
 Hylton, Herald Carl, V, 2.....Corvallis
 Hynes, Alberta Reagh, II, 1.....Portland
 Hynes, Wildric Freeman, EE, 4.....Portland
 Hynes, Judy, H, 1.....Corvallis
 Hyslop, Sue, H, 4.....Corvallis
 Ide, Hervey Verner, V, 2.....Portland
 Iliiff, Robert McKee, A, 3.....Independence
 Imboden, Richard Thomas, A, 1.....Whittier,
 Calif.
 Ingalls, Alice Lockwood, V, 4.....Corvallis
 Ingels, Jr., Frank Boone, C, 2.....Dufur
 Ingle, Jeanette, C, 1.....Albany
 Inman, Frank Morrison, C, 1.....Portland
 Inman, Maxine Claudia, II, 2.....Corvallis
 Ireland, Frederick Peter, E, 1.....Brownsville
 Ireland, Henry Solon, C, 2.....Portland
 Ireland, Jessie Belle, V, 1.....Hillsboro
 Irons, Leona Marcia, V, 3.....Corvallis
 Irons, Margaret Nancy, C, 2.....Corvallis
 Irvine, John W., G, 1.....Corvallis
 Irvine, Lloyd M., P, 2.....Myrtle Creek
 Irving, Lois Anna, C, 3.....Wilbur
 Irving, Winton H., C, n.....Placerville, Calif.
 Irwin, Agnes Edna, H, 2.....Huntington
 Irwin, Betty Anne, V, 1.....Rockaway
 Irwin, Robert Clark, C, 2.....Huntington
 Isaacs, Emily Louise, G, 1.....Portland
 Isaacs, John Dove, Ch, 1.....Rockaway
 Isaacson, Charles Malcolm, C, 3.....Santa Ana,
 Calif.
 Israel, Betty, II, 3.....Dayton, Wash.
 Iverson, Herbert Kuro, IA, 2.....Corvallis
 Ivie, Helen Margaret, C, 3.....Corvallis
 Jackman, Richard Elwin, V, 1.....Malin
 Jackson, Boyd W., I, 1.....La Grande
 Jackson, Esther Phila, H, 1.....Corvallis
 Jackson, Jack Emmette, E, 1.....Springfield
 Jackson, Ramona Edith, H, 1.....Portland
 Jackson, Virginia, II, 3.....Portland
 Jacobs, Aileen, H, 4.....McMinnville
 Jacobsen, Harry Clifford, E, 1.....Portland
 Jacobsen, Karl Fredner, C, 2.....Portland
 Jacquot, Alfred Andrew, Ch, 3.....Bend
 Jacquot, Howard, E, 1.....Sisters
 James, Clarence Edwin, F, 2.....Tillamook
 James, Elizabeth May, V, 1.....Portland
 Jamieson, William MacLeod, E, 1.....Portland
 Janeves, Daniel, E, 2.....Los Angeles, Calif.
 Jansen, Albert, E, 1.....Tillamook
 Jantzen, Frank Willard, Ch, 1.....Corvallis
 Janz, Raymond W., Ch, 1.....Portland
 Janzen, Alfreda Frances, C, 2.....Corvallis
 Janzen, Enelse D., V, 4.....Corvallis
 Janzen, Linley Jacob, A, 1.....Corvallis
 Jaroff, Albert M., ME, 2.....Portland
 Jarvi, Simeri, F, 4.....Astoria
 Jarvis, Joe W., A, 4.....Ontario
 Jarvis, Joseph Willard, V, 1.....Hood River
 Jelinek, Elizabeth Ann, C, 3.....Dallas
 Jenkins, Clifford Charles, A, 2.....Corvallis
 Jenkins, Elizabeth R., II, 2.....Corvallis
 Jenkins, Lawrence C., A, 1.....Corvallis
 Jenks, Adelaide Gale, H, 1.....Clatskanie
 Jenks, Eleanor, V, 2.....Albany
 Jenks, William H., E, 1.....Clatskanie
 Jennings, John William, E, 1.....Corvallis
 Jensen, Jens Askel, Ch, 2.....Portland
 Jensen, John Joseph, C, 3.....Bakersfield, Calif.
 Jester, Curtis M., E, 1.....Portland
 Jewell, James R., C, 2.....Corvallis
 Jettette, Fay, H, 2.....Merrill
 Joehnk, Charles LeRoy, C, 1.....Marshfield
 Johnson, Albert E., CE, 3.....San Bernardino,
 Calif.
 Johnson, Arthur Stanley, A, 1.....Pasadena,
 Calif.
 Johnson, Betty Karn, II, 2.....Marshfield
 Johnson, Carl, V, 4.....Bend
 Johnson, Charles Wynn, C, 1.....Fossil
 Johnson, Donald S., C, 1.....Laguna Beach,
 Calif.
 Johnson, Ellen Margaret, II, 1.....Corvallis
 Johnson, Gladys Mae, C, 1.....Corvallis
 Johnson, Harold Carlton, V, 1.....Reedsport
 Johnson, Harold Marx, EE, 2.....Gresham
 Johnson, Harvey George, A, 1.....Corvallis
 Johnson, Herbert Callin, IA, 2.....Astoria
 Johnson, Howard Earl, A, 2.....Seaside
 Johnson, Janet Elliott, C, 1.....Portland
 Johnson, Kirsten Gudrun, C, 2.....Portland
 Johnson, Lawrence Taylor, Ch, 3.....Garden
 Home
 Johnson, Lewis Henry, C, 2.....Portland
 Johnson, Margaret, A, 4.....Twin Falls, Idaho
 Johnson, Margaret E., C, 1.....Marshfield
 Johnson, Mary Kathrine, V, 1.....Corvallis
 Johnson, Spencer Herbert, A, n.....Portland
 Johnson, Vernon Chris, P, 2.....Prineville
 Johnson, Wallace West, A, 2.....Seaside
 Johnson, Walter Leonard, EE, 2.....Portland
 Johnston, George Ficycle, V, 1.....Nyssa
 Johnston, Leila Marjorie, II, 1.....Birkersfeld
 Johnstone, William Robert, F, 1.....North
 Plains
 Jones, Creighton Benton, A, 2.....Gervais
 Jones, Grace Alfred, V, 4.....Corvallis
 Jones, Grace Margaret, C, 1.....Richland
 Jones, Gwilym Griffith, E, 1.....Portland
 Jones, Ila Ruth, C, 1.....Oregon City
 Jones, Keith, E, 1.....Corvallis
 Jones, Margaret Helen, II, 4.....Corvallis
 Jones, Maxine, V, 2.....Porterville, Calif.
 Jones, Norman Howard, ME, n.....Corvallis
 Jordan, Edmund Andrew, C, 2.....Portland
 Jorgensen, Lloyd J., IA, n.....Astoria
 Joslin, Harold W., C, 2.....Corvallis
 Joy, Adena Harriette, V, 3.....Ashland
 Joy, Clifford Whitney, C, 2.....Corvallis

Joy, Dick Cartwright, A, 3.....Ashland
 Joy, Fred L., F, 4.....Portland
 Judd, Dorothy Alice, H, 1.....Salem
 Jullum, Henry, M, 4.....Portland
 Kalina, Emma Mary, C, 1.....Main
 Kall, Walter Isidore, EE, 2.....Portland
 Kamarad, Frank Joe, F, 1.....Main
 Kammerer, Esther Elizabeth, II, 4.....Corvallis
 *Kammerer, Helen Pauline, H, 2.....Corvallis
 *Kamper, Arnold, A, 2.....Albany
 Kann, George H., ME, 2.....Fall Creek
 Kanzler, Reinhold, P, 2.....Portland
 Kappenmann, Joseph Phillip, C, 1.....San Rafael, Calif.
 Karhuvaara, Edna Elmae, H, 3.....Astoria
 Kaser, Arthur J., ME, 4.....Burnt Ranch
 Kaster, Ernest Elmer, Ch, 1.....Portland
 Katsoulis, Takis, A, 3.....Seattle, Wash.
 Kauffman, Clara Virginia, H, 3.....Corvallis
 Kaufman, Russel Thompson, Ch, 1.....Pendleton
 Kaufman, Vern Forest, Ch, 1.....The Dalles
 Kaufman, Walter Hill, IA, 2.....Monroe
 Kean, Tom M., ME, 3.....Portland
 Kearney, Ellen, V, 1.....Portland
 Kebbe, Stanley Ernest, CE, 2.....Mohler
 Keema, Elwood J., V, 2.....Sacramento, Calif.
 Keffer, Leslie Lowell, V, 1.....La Grande
 Kehrl, John Casper, ME, 2.....Portland
 Keist, Benjamin Franklin, C, 3.....Richland
 Keist, Neville Holcomb, V, 1.....Richland
 Keizer, Mabel Sylvia, H, 2.....North Bend
 Keklen, Bernard, C, 2.....Corvallis
 Keller, Margaret Lorene, H, 1.....Portland
 Kelley, Clinton Monroe, V, 3.....Corvallis
 Kelley, George Walter, C, 3.....Corvallis
 Kelly, James Vernon, M, 1.....Portland
 Kelly, Max Lyle, E, 1.....Albany
 Kelly, Oliver Gail, M, 4.....Portland
 Kendall, Dorothy Ava, H, 1.....Troutdale
 Kenna, Wilfred Patrick, V, 2.....Portland
 Kennedy, Margaret Esther, V, 2.....Corvallis
 Kennedy, Miriam Frances, C, 2.....Corvallis
 Kennedy, Robert Edwin, ME, 2.....Portland
 Kennedy, William Norman, CE, 4.....Pilot Rock
 Kennelly, Ardyth Matilda, V, 3.....Albany
 Kennings, Albert George, A, 1.....Hermiston
 Kent, Harry Arthur, V, 2.....Corvallis
 Kerley, Rova Maxine, H, 3.....Eugene
 Kernkamp, Willard Charles, M, 3.....Aloha
 Kerns, Janet McCornack, C, 1.....Corvallis
 Kerns, Tom, A, 3.....Corvallis
 Kerr, George William, EE, 4.....Corvallis
 Kerr, Maurice Paul, A, 3.....Corvallis
 Kerr, Raymond J., V, 2.....Corvallis
 Kerslake, Margaret B., H, 1.....Troutdale
 Kessler, J. Raymond, E, 1.....Boise, Idaho
 Kettel, Rachel Leota, V, 1.....Houlton
 Keddell, Robert Henry, E, 1.....Salem
 Keyes, William Zackery, C, 1.....Fossil
 Kibbe, Stewart Henry, EE, 4.....Salem
 Kidd, Josephine Miriam, H, 2.....Corvallis
 Kieder, Ruth Eleanor, V, 1.....Carlton
 Kieblock, Lauretta Idella, C, 1.....Albany
 Kiorsey, Jud, A, S.....Prineville
 Kimball, Jeannette, V, 4.....Philomath
 King, Anne Elizabeth, H, 2.....Portland
 King, Burlin Blue, Ch, 4.....Corvallis
 King, Darrell Clent, C, 2.....Tillamook
 King, Edwin C., C, 3.....Corvallis
 King, John W., A, 2.....Cottage Grove
 King, Margaret, V, 3.....Salem
 King, Warren, A, 3.....Corvallis
 Kircher, Albert Joseph, M, 3.....Portland
 Kirk, W. Duane, C, 4.....Portland
 Kirkpatrick, Dorothea Maxine, P, 1.....Eugene
 Kirkpatrick, F. Donald, A, 1.....Pendleton

Kirkpatrick, Helen Edna, V, 1.....Portland
 Kirkpatrick, Herbert L., C, 3.....Corvallis
 Kirkpatrick, Howard William, F, 1.....Portland
 Kissing, Randolph Oregon, A, 1.....Portland
 Klahn, Geraldine Mabel, A, 3.....Portland
 Klahn, Gloria Madeleine, II, 1.....Portland
 Klahn, Richard Hazen, EE, 2.....Portland
 Klamp, Gorda Lawrence, C, 1.....Woodburn
 Klapotz, Caroline, C, 3.....Albany
 Klee, Paul H., P, 2.....Hood River
 Klein, Kenneth Miller, EE, 2.....Salem
 Klein, Ralph, C, 3.....Medford
 Klein, William Stacy, EE, 4.....Corvallis
 Kletzer, William, A, 2.....Portland
 Knagenhelm, Mildred Irene, G, 1.....Los Angeles, Calif.
 Knass, Donald, C, 1.....Portland
 Knickerbocker, Emmett, A, 4.....Redmond
 Kniefel, Mary Inez, C, 2.....Gresham
 Knight, William Beauford, C, 2.....Canby
 Knorr, Alvin Carl, E, 2.....Aurora
 Knotts, Alfa Frances, H, 1.....Pilot Rock
 Knowles, Elizabeth Emily, II, 2.....Eugene
 Knowlton, Edna Martha, H, 2.....Vancouver, B. C.
 Kodani, Arthur Takeyoshi, C, 1.....South Pasadena, Calif.
 Koelblen, René August, C, 2.....Portland
 Koerner, George Henry, A, 1.....Gold Beach
 Kofoid, Melvin J., EE, 3.....Portland
 Kofoid, Orville, CE, 4.....Portland
 Kollé, Louise Sarah, H, 3.....Vancouver, B. C.
 Konishi, Katzuo, ME, 3.....Portland
 Koonst, Yades Juanita, H, 2.....Portland
 Koozer, Lloyd Emery, E, 1.....Walterville
 Korf, Juanita, V, 1.....Corvallis
 Kornouhoff, Alexis Timothy, F, 4.....Portland
 Koshland, Theodore Cerf, C, 2.....Portland
 Kottynovich, Frances, G, 1.....Oswego
 Kraus, Elizabeth Louise, H, 2.....Aurora
 Krause, Gustav Joseph, F, 1.....Los Angeles, Calif.
 Krehbiel, Homer Conrad, E, 1.....Pendleton
 Kremers, Edward Louis, C, 4.....Portland
 Kremers, Jessie, C, 2.....Portland
 Krenke, Irwin, A, 1.....Napa, Calif.
 Kriesien, Richard E., E, 1.....Los Angeles, Calif.
 Krohn, John Harry, E, 1.....Arcata, Calif.
 Krueger, Amelia Marie, V, 1.....Oregon City
 Kruse, Eugene, C, 2.....Portland
 Kruse, Vernon Judson, V, 3.....Eugene
 Kuhl, Donovan, ME, 4.....Prairie City
 Kuhl, Thyra Clair, II, 4.....Agate Beach
 Kuhn, Jack Kemp, P, 2.....Salem
 Kupfer, Mary E., C, 2.....Puyallup, Wash.
 Kurth, Nathan J., A, 4.....Brooks
 Kurtz, Harry Jack, V, 1.....Portland
 Kusel, Julius Herman, C, 2.....Corvallis
 Kutch, Kenneth Kidder, C, 4.....Corvallis
 Kutch, Paul, V, 2.....Corvallis
 Kyle, Frances Grade, H, 1.....Salem
 LaBare, Carol Albertina, H, 1.....Wren
 Labbe, Raymond E., C, 3.....Portland
 Lachmund, Dorothy Elsie, V, 2.....Portland
 Ladd, Charles Harry, F, 4.....Corvallis
 Lage, George H., A, 2.....Hood River
 Lage, Wallace Keith, A, 1.....Hood River
 Lamar, Jean Jessie, C, 1.....Corvallis
 Lamb, Edward William, V, 1.....San Francisco, Calif.
 Lamb, Georgia Claire, A, 2.....Silverton
 Lammi, Joe Oscar, F, 2.....Portland
 Lamser, Joseph Charles, E, 1.....Portland
 Lance, Ruth LaVerne, H, 1.....Corvallis
 Lane, Lea Anne, V, 1.....Portland
 Lane, Mabel Ardis, H, 2.....Silver Lake
 Langdon, Floyd L., A, 4.....Corvallis

- Langdon, James P., A, 4.....Corvallis
 Langdon, Miles Orrin, F, 1.....Ukiah
 Lange, Robert A., A, 2.....Eau Claire, Wis.
 Langlois, Walter James, E, 1.....Bandon
 Larrowe, Albertus Eugene, CE, 3.....Portland
 Larson, Douglas A., C, 1.....Bend
 Larson, Froun, H, 2.....Corvallis
 Larson, Gordon E., C, 2.....San Francisco, Calif.
 Larson, Gretchen Olene, V, 2.....Los Angeles, Calif.
 Larson, John Dwight, EE, 2.....Corvallis
 Larson, Lois Mildred, H, 2.....Seattle, Wash.
 Larson, Noel F. A., 2.....Corvallis
 Larson, Sanna Irene, V, 2.....Corvallis
 Larson, Thalia Aileen, H, 2.....Marshfield
 Larson, Velma Switzer, G, 1.....Corvallis
 Lathrop, Alvord Freeman, A, 2.....Portland
 Lathrop, Sidney P., CE, 2.....Portland
 Lawrence, Augustus Talbot, IA, 1.....Portland
 Lawrence, Elwood Arthur, ME, 2.....Corvallis
 Lawrence, William James, V, a.....Corvallis
 Lawshe, Jay Earl, C, 2.....Palo Alto, Calif.
 Lawton, Donald Myron, C, 2.....Portland
 Lazarus, Willard Wright, ME, 2.....Corvallis
 Leach, Irene, H, 2.....Portland
 Leaf, Herman Duane, C, 3.....Corvallis
 Leaming, Robert Lewis, C, 2.....Portland
 Leap, Gordon Allen, E, 2.....Corvallis
 Ledgerwood, Edgar, V, 3.....Stayton
 Lee, Donald Kuo Chih, P, 4.....Portland
 Lee, Izola Ruth, H, 1.....Albany
 Lee, Orville Andreas, C, 2.....La Grande
 Lehmann, Ernest W., P, 1.....Portland
 Lehrbach, Inez Margaret, G, 1.....Roseburg
 Leidig, Glenn Fredrick, V, 2.....Carmel, Calif.
 Leidig, Martin Robert, CE, 2.....Carmel, Calif.
 Leihy, Virginia, V, 1.....Portland
 Leinaw, Robert Keim, A, 1.....Riverside, Calif.
 Leishman, Milton L., F, 4.....Baker
 Leist, Dorothea Iris, P, 2.....Portland
 Leitz, Helen Katherine, H, 1.....Portland
 LeMaster, Ruth Anna, V, 2.....Corvallis
 Lemery, Frederick Omer, F, 2.....Brooks
 Lemmon, Owen Keith, A, 3.....Albany
 Lenchitsky, Julius Carl, V, 2.....Nehalem
 Lenon, Waivo Laudene, H, 2.....Monitor
 Leonard, U. Faith, H, 1.....Los Angeles, Calif.
 Lerch, Louise Marie, Ch, 4.....Portland
 Leshier, William Curtis, E, 1.....Portland
 Leslie, Joseph Curtis, C, 3.....Portland
 Lester, Phyllis Claudine, H, 1.....Corvallis
 Leupold, Pauline Alice, H, 1.....Portland
 LeVee, William Monroe, A, 1.....Corvallis
 Levins, Ariel, IA, 1.....Yachats
 Lewis, Edward Collins, V, 2.....Portland
 Lewis, Floyd Samuel, A, 2.....Corvallis
 Lewis, Gayle, A, 1.....Portland
 Lewis, Herbert, V, 3.....Rainier
 Lewis, Howard Albert, E, 1.....Long Beach, Calif.
 Lewis, James N., C, 4.....Corvallis
 Lewis, Mortimer Reed, Ch, 2.....Corvallis
 Lewis, Nettie Jean, H, 1.....Fallon, Nev.
 Lewis, Phelps, A, 1.....Klamath Falls
 Lewis, Robert Orvel, F, 2.....Wamic
 Lewis, Robert Stanley S., F, 2.....Jacksonville
 Lewis, Thelma Hazel, H, 2.....Klamath Falls
 Lidell, Harold, C, 3.....Portland
 Lienkaemper, Kermit Karl, E, 1.....Portland
 Lightowler, George Edward, C, 3.....Oregon City
 Lillard, Louise Elizabeth, H, 1.....La Grande
 Lillie, Lloyd Osborne, ME, 3.....Portland
 Limacher, Francis Joseph, Ch, 3.....Corvallis
 Lindros, Ernest Edward, E, 1.....Corvallis
 Lindsay, Elizabeth LaRue, V, 4.....Corvallis
 Lindsay, Forrest S., C, 2.....Hayward, Calif.
 Lindsay, Helen K., H, 1.....Hayward, Calif.
 Lindseth, Edora, V, 3.....Corvallis
 Lindseth, Karl Marvin, G, 1.....Corvallis
 Lindwall, Victor, F, 2.....Portland
 Lingelbach, Cecilia, C, 3.....Estacada
 Linstedi, Kermit Walter, F, 2.....Eugene
 List, Anna Marjorie, V, 2.....Exeter, Calif.
 Little, Charles Franklyn, E, 1.....Roseburg
 Little, Frank Anthony, V, a.....Corvallis
 Little, Hollis Rudolph, ME, 2.....Portland
 Little, William Edward, E, 1.....Corvallis
 Livesley, Thomas DeBeck, A, 1.....Salem
 Livingston, Thomas Oliver, E, 1.....Bend
 Lloyd, Omar M. V., 3.....Portland
 Loback, Astor, C, 2.....Astoria
 Locatell, Orval Eugene, V, 2.....Medford
 Locke, Seth Barton, A, 3.....Marshfield
 Loc, Chester Amos, A, 2.....Corvallis
 Loesch, Robert John, ME, 2.....Medford
 Loggan, Helene, V, 3.....Burns
 Lohr, Paul H., EE, 2.....Portland
 Loken, Keith, C, 3.....Oakland, Calif.
 Long, J. B., V, 1.....Baker
 Long, Merle G., V, 1.....Corvallis
 Long, Olney, ME, 2.....Multnomah
 Longtin, David, C, 1.....Portland
 Loutney, Marion Elizabeth, V, 2.....Jefferson
 Lora, Vivien Alyse, V, 2.....Corvallis
 Lorenz, Wilfred G., E, 1.....Portland
 Losse, Betty Louise, H, 1.....Santa Clara, Calif.
 Loughary, Arline Gillett, V, 4.....Portland
 Lovegren, Lawrence Alfred, IA, 3.....Portland
 Lovely, Howard Nelson, E, 1.....Yamhill
 Lovin, Clarence V., F, 4.....Portland
 Lowden, Earle Stanley, E, 1.....Crawfordsville
 Lowden, Merle S., F, 4.....Crawfordsville
 Lowe, Arthur Livingston, C, 3.....Corvallis
 Lowe, Howard Dorse, C, 1.....Corvallis
 Lowry, Burton George, M, 1.....Medford
 Lowry, Robert William, M, 1.....Corvallis
 Lowthian, Zoa, P, 4.....Woodburn
 Lu, Pao Chung, A, 3.....Whiohsien, Honan Province, China
 Lubersky, Albert Raymond, IA, 2.....Portland
 Lucas, Frank Earl, CE, 2.....John Day
 Lucas, Horace Allen, F, 4.....John Day
 Lucas, Patrick, F, 2.....Agnes
 Lucas, Robert Warren, C, 1.....Portland
 Lueddemann, Elizabeth French, C, 1.....Portland
 Luehrs, Herbert Allan, P, 2.....Ontario
 Luehrs, Robert O., P, 4.....Ontario
 Lumm, Marjorie Louise, H, 1.....Portland
 Lund, Helen, V, 3.....Corvallis
 Lund, Valdemar H., EE, 3.....Portland
 Lundberg, Roy H., A, 2.....Hartford, Wash.
 Lundgren, Ruth Eleanor, C, 2.....Beaverton
 Lunn, John Henry, A, 1.....Corvallis
 Luper, James Rhea, E, 1.....Portland
 Lupton, Alice Louise, H, 2.....Burns
 Lutz, Lois Aileen, H, 4.....Newberg
 Lynde, George Westley, E, 1.....Portland
 Lyons, Jack, CE, 2.....Portland
 Lyons, John James, F, 1.....Oregon City
 Lyster, Glenva Bernice, C, 2.....Reedsport
 Lytle, Dollie, H, 1.....Newberg
 McAdams, Margaret Clara, C, 3.....Marysville, Calif.
 McAllester, Laura Cornelia, V, 4.....Corvallis
 McAllister, Dorothy Elizabeth, H, 2.....Medford
 McAllister, James Campbell, E, 1.....Corvallis
 McAllister, James, CE, 2.....Gresham
 McAllister, Margaret, H, 4.....Corvallis
 McCabe, Francis Robert, F, 2.....Salem
 McCann, Francis Lynn, A, 2.....Portland
 McCarthy, Mary Sidonia, C, 3.....Marshfield

- McCarthy, Frances Imogene, C, 2.....Corvallis
 McCarty, Wilma Louise, H, 1.....Echo
 McCleary, Mildred Mabel, V, 4.....McCleary, Wash.
 McClintock, Vera Francella, O, 2.....Roseburg
 McClung, Tom H., ME, 2.....Portland
 McClure, Del Bryan, C, 4.....Portland
 McCulloch, Millard Fillmore, C, 1.....Los Angeles, Calif.
 McComber, Gordon, A, 2.....Buena Park, Calif.
 McConnell, Melva Myrle, G, 1.....Corvallis
 McCrea, Kathryn Jean, C, 1.....Portland
 McCrea, William Gordon, C, 1.....Beverly Hills, Calif.
 McCready, Jessie Margaret, H, 4.....Chiloquin
 McCready, Ruth Janet, H, 2.....Chiloquin
 McCullough, Mabel, H, 1.....Corvallis
 McCullough, Robert, G, 1.....Corvallis
 McCumiskey, Robert Ellis, P, 2.....Pasadena, Calif.
 McCurdy, Winslow, CE, 3.....Port Townsend, Wash.
 McDaniel, Gordon Bert, E, 1.....North Bend
 McDonald, Georgia Mae, C, 4.....Portland
 McDonald, Rollin James, P, 2.....Lakeview
 McDowell, James Newman, C, 1.....Portland
 McEachern, Jack Feas, E, 1.....Seattle, Wash.
 McElroy, Benjamin James, C, 2.....Los Angeles, Calif.
 McEwen, Hazel, C, 1.....Riverside
 McEwen, James William, EE, 2.....Nyssa
 McFadden, Charles Warren, A, 1.....Roseburg
 McFarland, Jack Stephen, F, 2.....Portland
 McGahey, David, ME, 4.....Corvallis
 *McGivray, Ralph, E, 1.....Portland
 McGivray, Harry Sturrock, IA, 2.....San Francisco, Calif.
 McGovern, Phillip Clifford, IA, 1.....Monte
 McGrew, Jr., Finley Oliver, E, 1.....Portland
 McHenry, Martha Gertrude, H, 1.....Corvallis
 McIntyre, Mary Katherine, C, 2.....Portland
 McKay, Neil Henry, V, 2.....Corvallis
 McKee, Edwin O., V, 4.....Portland
 McKennon, Russel Melville, A, 4.....Imbler
 McKenzie, Gerald R., Ch, 4.....Hartmiston
 McKinnon, Bain Laughlin, Ch, 4.....Corvallis
 McKnight, Elwood A., V, 3.....Milton
 McLaughlin, Edward Joseph, E, 1.....Garden Home
 McLaughlin, Robert, C, 1.....Corvallis
 McLean, Edward H., F, 1.....Medford
 McMath, C. Barton, C, 4.....Medford
 McMath, Flora, H, 1.....Medford
 McNamara, Donald Irving, CE, 2.....Portland
 McNaught, Robert Roland, C, 2.....Portland
 McOmie, William Arthur, A, 2.....Los Alamitos, Calif.
 McPherson, Bennett Henry, A, 3.....Anaconda, Mont.
 McPherson, Berton Farrell, A, 3.....Anaconda, Mont.
 McPherson, Lois Wilma, C, 1.....Portland
 McPherson, William Edward, A, 2.....Portland
 McKay, Ferris L., E, 1.....Myrtle Point
 McWilliams, Helen Edna, V, 2.....Corvallis
 Mabee, George Warner, V, 3.....Corvallis
 MacAdam, Thomas Wayne, A, 1.....Pasadena, Calif.
 MacCloskey, Robert William, C, 3.....Hollywood, Calif.
 MacCracken, Elliott, EE, 4.....Ashland
 Macdonald, Colin Hugh, ME, 4.....Eugene
 Macdonald, Kenneth King, Ch, 3.....Multnomah
 Macdonald, William Fred, V, n.....Corvallis
 MacGregor, Cecil M., ME, 2.....Portland
 Mack, Herbert Harold, P, 3.....Huntington
 Mack, John Connie, P, 2.....Huntington
 Mack, Joseph Henry, V, 2.....Corvallis
 MacKay, Harry, E, 1.....Portland
 MacKenzie, Catherine C, H, 4.....Portland
 MacKenzie, Gordon S., C, 2.....Portland
 Macklin, Helen Janet, V, 3.....Pasadena, Calif.
 MacLean, Elizabeth G., V, 3.....Corvallis
 MacLennan, Margaret Agnes, C, S.....Corvallis
 MacLeod, Bessie Jean, V, 1.....Grants Pass
 Macpherson, David, A, 1.....Albany
 Magallanes, Segundo V., V, 4.....Corvallis
 Mahan, Claude, CE, 2.....Tillamook
 Malin, Alice Genevieve, H, 2.....Multnomah
 Mall, Virginia Mae, C, 1.....Portland
 Mallery, Harold Edwin, V, 2.....Yamhill
 Mallet, Maurine, A, 2.....Palo Alto, Calif.
 Maltby, Marion Isabel, H, 2.....Aloea
 Mangels, Helen Jean, H, 1.....Cordelia, Calif.
 Manke, George H., EE, 3.....Medford
 Mann, Alice Leona, H, 1.....Portland
 Mann, Magdalene Lucinda, C, 3.....Portland
 Mansur, Hope, V, 4.....Los Angeles, Calif.
 Mansur, Phil, C, 2.....Los Angeles, Calif.
 Marcus, Gerald Roster, C, 2.....Watsonville, Calif.
 Marcy, Ben Hall, EE, 2.....Portland
 Mariano, Juan A., A, 2.....Corvallis
 Maring, Mark William, E, 1.....Brownsville
 Markart, Frank Albert, M, 1.....Lebanon
 Markham, George Penfield, A, 1.....Spokane, Wash.
 Markley, Francis, EE, 2.....Cottage Grove
 Marley, Ralph M., V, 3.....Corvallis
 Marquis, Hugh M., ME, 2.....Portland
 Marsden, Wallace Franklin, C, 2.....Marshfield
 Marsh, Leonard James, C, 2.....Portland
 Marsh, Thomas Parker, Ch, 1.....Portland
 Marshall, Frances P., V, 2.....Portland
 Marshall, George H., A, 2.....Corvallis
 Martin, Bruce, V, 2.....Corvallis
 Martin, Dorothy Lorene, II, 4.....Portland
 Martin, Lloyd L., C, 2.....Corvallis
 Martin, Ruth Elizabeth, A, 3.....Portland
 Martin, William E., A, 3.....Adams, Mass.
 Martinson, Ralph E., C, 3.....Portland
 Mason, Donald Lyman, IA, 2.....Eugene
 Mason, Draper Coolidge, CE, 2.....Portland
 Mason, Marjorie E., P, 4.....Albany
 Mason, Rodney Germain, C, 2.....Pasadena, Calif.
 Mason, Wayne, ME, 2.....Talent
 Massee, Claude Graham, C, 1.....Corvallis
 Masterson, Melvin T., C, 1.....Long Beach, Calif.
 Mather, George Kenneth, CE, 2.....Corvallis
 Mather, Richard J, EE, 3.....Portland
 *Mathews, Robert C., P, 3.....Huntington Park, Calif.
 Mathiesen, Walter Jesse, V, 2.....Banks
 Matson, Leonard Matt, E, 1.....Warren
 Matson, Ludwig E., E, 1.....Warren
 Mathews, Roger Burmont, E, 1.....Portland
 Matthews, William Joseph, C, 2.....Corvallis
 Mattoon, Hubert Maxon, Ch, 2.....Portland
 Mattoon, Waldo Wendall, JA, 2.....Portland
 Maxwell, Alice Viola, V, 4.....Albany
 May, Eldon Morris, ME, 2.....Forest Grove
 Maybeck, Leland Field, IA, 3.....Portland
 Mayer, Kenneth Marian, C, 1.....Lebanon
 Maylie, John Charles, C, 3.....Portland
 Meade, Alvin William, C, 4.....Salem
 Meade, Lenore Elizabeth, V, 3.....Corvallis
 Meade, Thomas Bernard, F, 1.....Grants Pass
 Meador, Robert C., V, 1.....Philomath
 Meany, William M., E, 1.....Portland
 Medley, Charles W., C, n.....Oakland
 Medley, Robert Vinton, V, S.....Portland
 Meeker, Cecil Hamilton, JA, 2.....Toledo

- Melanson, Marie A., H, 3.....Cornelius
Meldrum, David Hammond, CE, 4.....Oregon
City
Melvin, James Albert, ME, 2.....Portland
Meola, Edmund Anthony, A, 4.....Corvallis
Meredith, John Philip, C, 3.....Salem
Merrill, Churchill Mansfield, E, 1.....Portland
Merrill, Frank Irving, C, 3.....Corvallis
Merrill, Howard Sewell, C, 4.....Corvallis
Merriss, Mary Virginia, V, 1.....Portland
Merritt, Alice Gertrude, H, 1.....Juneau,
Alaska
Merritt, John Rupert, P, 4.....Corvallis
Merryman, Carl Dittmar, ME, 3.....Corvallis
Merryman, Florence Mable, H, 4.....Silverton
Merryman, Harold W., E, 1.....Corvallis
Merryman, Margaret A., V, 3.....Corvallis
Mershon, Clarence Earl, ME, 3.....Corvallis
Mershon, James L., E, 1.....Corvallis
Meshser, Sara Belle, V, 1.....Portland
Metcalf, Margaret Marian, V, 4.....Portland
Metzler, Ruth Evelyn, V, 3.....Corvallis
Meyer, Ruth Angelina, H, 1.....Corvallis
Meyers, Carol, M, 2.....Portland
Meyers, Evelyn L., C, 1.....Eagle Creek
Meyers, John Charles, IA, 1.....Redmond
Michael, Richard James, C, 3.....Portland
Michalick, Arthur Fred, M, 4.....Estacada
Miho, Hideo, ME, 2.....Portland
Mikesell, Oscar Edwin, A, 2.....Hermiston
Miles, Gordon, V, 2.....Portland
Miles, Thomas Boyd, V, 2.....Honolulu, T. H.
Millen, Dean, A, n.....Corvallis
Miller, Arthur George, V, 2.....Corvallis
Miller, Byron Lee, Ch, 2.....Hood River
Miller, Edgar Emerson, A, 1.....Oregon City
Miller, Felix Gray, C, 2.....Coquille
Miller, Frank Joseph, C, 4.....Palo Alto, Calif.
Miller, Fred E., E, 1.....Portland
Miller, Gladys, A, 1.....Corvallis
Miller, Horace E., F, 1.....Halsey
Miller, Jack Manley, F, 2.....Elgin, Ill.
Miller, Merwin, Ch, 1.....Tillamook
Miller, Oliver William, IA, 2.....Eagle Point
Miller, Richard, F, 1.....Portland
Miller, Robert B., CE, 2.....Portland
Miller, Russell Wayne, P, 3.....Portland
Miller, Susan Helen, H, 2.....Portland
Miller, Thomas James, E, 1.....Portland
Miller, Victor B., F, 1.....Enterprise
Miller, William Al, EE, 4.....Corvallis
Millettich, Marie Emma, O, 2.....Portland
Milhollen, Jr., Lloyd, V, 3.....Corvallis
Milhollen, Nadene, V, 3.....Corvallis
Mills, Florian, CE, 2.....Vernonia
Millsap, Sam Lester, IA, 2.....Corvallis
Milne, John James, C, 2.....The Dalles
Milton, Alex L., V, 2.....Corvallis
Milton, Roy William, Ch, 4.....Marshfield
Minor, Ruth Erna, V, 4.....Silverton
Minton, James Lewis, F, 1.....Paisley
Mishler, Gertrude, H, 1.....Albany
Misner, Lyle Ronald, P, 2.....Albany
Misphey, Ruth Evelyn, V, 2.....Sacramento,
Calif.
Mitchell, Emmett Raymond, A, 3.....Amity
Mitola, Dan Joe, V, 1.....Portland
Mitts, Clifford Albert, A, 1.....Aurora
Mize, Louis Ray, C, 2.....Portland
Mizulo, John, E, 1.....Scotia, Calif.
Moe, Harold William, V, 2.....Corvallis
Moe, Lester M., ME, 3.....Portland
Moe, Ray T., V, 4.....Corvallis
Moeller, Therald, Ch, 2.....Toledo
Moffitt, John Delbert, F, 4.....New Pine Creek
Moiso, Walfred John, F, 4.....Astoria
Monroe, William Wendell, C, 4.....Portland
Montgomery, Harold Edward, C, 1.....Albany
Montgomery, John Russell, F, 1.....Looking-
glass
Montgomery, Marie Loreen, H, 2.....Pasadena,
Calif.
Montgomery, Reed, Ch, 2.....Corvallis
Moore, Dorothy Evelyn, H, 2.....Salem
Moore, Eign B., Ch, 1.....Portland
Moore, James Kelly, EE, n.....Salem
Moore, Leonard Albert, IA, 4.....Corvallis
Moore, Margaret Evelyn, H, 1.....Portland
Moore, Merle S., F, n.....Corvallis
Moore, Orrie Stephen, A, 2.....Medford
Moore, Spencer Thomas, F, 1.....Madisonville,
Tenn.
Moore, Velma Irene, C, 1.....Gold Beach
Moore, William C., P, 2.....San Gabriel, Calif.
Moran, William Spear, ME, 2.....Portland
Morency, Eileene Loraine, V, 2.....Portland
Morgan, Donald, CE, 2.....Glendale
Morgan, Willard Edward, A, 2.....Roseburg
Morgenroth, Francis B., A, 1.....Portland
Morris, Alton, C, 4.....Oregon City
Morris, David Louis, V, 2.....Pasadena, Calif.
Morris, Kenneth W., C, 3.....Salem
Morris, Mark Munro, A, 3.....Berkeley, Calif.
Morris, Ruth, H, 1.....West Side
Morris, Willis H., ME, 2.....Portland
Morris, Woodrow Wilson, A, 1.....Lakeview
Morrison, Ruby, V, 2.....Portland
Morrison, Walter Bruce, ME, 2.....Portland
Moser, Albert James, A, 4.....Portland
Moss, Fred Dudley, Ch, 1.....Portland
Moss, Lucile L., H, 2.....Portland
Matley, Wilbur Warner, P, 1.....Halfway
Mountain, Robert Theodore, ME, 2.....Aums-
ville
Mowan, Roscoe Vernon, Ch, n.....Corvallis
Mozorosky, Sam, C, n.....Portland
Mueller, Dorothy C., C, 1.....Portland
Mueller, Roy Morgan, V, 2.....Portland
Muenzer, Herbert E., E, 1.....Portland
Muller, Margaret Marie, C, 2.....Tangent
Mulligan, Joe Ed, C, 4.....Portland
Mullin, Martin William, C, 3.....Portland
Mullin, William A., G, 1.....Corvallis
Munch, Melvin Francis, Ch, 2.....Portland
Munford, Charles W., CE, 4.....Banks
Munford, James Kenneth, C, 2.....Banks
Munro, Donald Ranney, E, 1.....Portland
Munro, George Alexander, C, 1.....Portland
Murchie, Marjorie Eaton, H, 2.....South Pasa-
dena, Calif.
Murdock, Victor T., A, 1.....Corvallis
Murphy, Keith Turnidge, IA, 2.....Oakville,
Wash.
Murphy, Virginia Margaret, C, 2.....Tilla-
mook
Murray, Billie Alice, C, 2.....Portland
Murry, Roy Gilbert, A, 2.....Cottage Grove
Musgrave, Thaye, V, 2.....Portland
Mushen, Robert L., CE, 2.....Lakeview
Mustola, Jenué Jo Anne, C, 1.....Clatskanie
Myers, Bruce K., C, 1.....Corvallis
Myers, Carl E., C, 2.....Condon
Myers, Edward B., C, 4.....Portland
Myers, Fred J., CE, 2.....Portland
Myrine, Robert S., CE, 4.....McMinnville
Myrick, Walker A., A, 1.....Saugus, Calif.
Nachand, Horace Charles, IA, 2.....Portland
Nance, Marion Nelson, F, 2.....Hood River
Nash, Merritt M., V, 3.....Marshfield
Nasset, Lila Otelia, G, 1.....Corvallis
Naylor, Jack L., EE, 2.....Wolf Creek
Naylor, Walter Everett, C, 1.....Corvallis
Neale, William Owen, V, n.....Saugus, Calif.
Neighbors, Jimmie Belle, C, 2.....Corvallis
Neireiter, Doris M., H, 3.....Lebanon
Nelson, Dudley Woodrow, V, 2.....Milwaukie

Nelson, Elton Glenn, A, 2.....Huntington
 Nelson, Elwin William, C, 2.....Portland
 Nelson, Everaldo E., F, 4.....Corvallis
 Nelson, Lawrence Tracy, V, 2.....Portland
 Nelson, Olaf, E, 1.....Portland
 Nelson, Pauline Ida, V, 1.....Jennings Lodge
 Nelson, Quentin Silford, C, 1.....Fort Dodge,
 Iowa
 Nelson, Virginia, C, 2.....Oswego
 Nerbas, Dick N., C, 1.....Roseburg
 Ness, Ellen, C, 1.....Portland
 Ness, Julia Mary, H, 2.....Portland
 Newberg, Annie Mary, V, n.....Tillamook
 Newberry, James Raymond, Ch, 2.....Forest
 Grove
 Newhouse, Wallace George, C, 1.....Portland
 Newland, Glen Boyd, C, 3.....Medford
 Newlin, N. Paul, P, 1.....Portland
 Newlin, Vincent M., P, 1.....Portland
 Niblock, Russell Ambler, F, 1.....Scappoose
 Nichols, Ivan, E, 1.....Oregon City
 Nichols, Jack C., P, 4.....Portland
 Nichols, John R., P, 1.....Portland
 Nichols, Robert A., A, 2.....Corvallis
 Nichols, Waldo E., A, 1.....Portland
 Nicholson, Dorothy Ada, C, 4.....Portland
 Nicholson, Hugh Barry, F, 2.....Corvallis
 Nickels, Walter, ME, 2.....Portland
 Niece, Gretchen E., V, 2.....Corvallis
 Niederfrank, Evelyn Joy, A, 4.....Corvallis
 Niemi, L. Sylvia, C, 2.....Astoria
 Nilsen, Margaret T., V, 4.....Eureka, Calif.
 Nisbet, Irma Mary, H, 3.....Colton
 Nixon, Carolyn Jones, H, 2.....Mount Shasta,
 Calif.
 Nixon, Evelyn Gladys, V, 1.....Corvallis
 Nixon, Gordon B., F, 2.....Mount Shasta, Calif.
 Nixon, Howard B., EE, 4.....Corvallis
 Nixon, Mildred Ida, H, 1.....Corvallis
 Nock, Selwyn P., C, 3.....Oswego
 Noel, Jacqueline Green, V, 1.....Eugene
 Nogero, Alexis T., E, 4.....Portland
 Nolte, Jr. Howard Milton, A, 1.....Lakeview
 Noltner, Harriet I., H, 1.....Portland
 Nomura, Howard, P, 4.....Portland
 Norberg, Oscar, CE, 4.....Manzanita
 Norton, Charles Edward, A, 3.....Roseburg
 Norton, Stewart, Ch, 1.....Chualis, Wash.
 Nulty, William T., C, 2.....Martinez, Calif.
 Nye, Birdine E., H, 1.....Portland
 Nyman, Cecil C., V, 2.....Kings Valley
 O'Blisk, Gene V., IA, 2.....Portland
 O'Brien, William Michael, EE, 2.....Portland
 O'Connell, Forrest Lester, V, 2.....Portland
 O'Connor, Frank Ward, C, 4.....Portland
 O'Dell, Mathew Jennings, Ch, 4.....Portland
 O'Donnell, Bert Edward, C, 2.....Portland
 O'Flaherty, Lillian Nadine, V, 1.....Klamath
 Falls
 O'Leary, Kathleen Carroll, H, 4.....Butte,
 Mont.
 O'Neill, Alice Hester, V, 4.....Corvallis
 O'Neill, Hugh Collius, C, 2.....Portland
 Oakes, John Robert, Ch, 1.....Ontario
 Oatfield, Inez Anne, H, 2.....Milwaukie
 Oatman, Alfred S., A, S.....Oswego
 Oberchain, Oliver, F, 1.....Central Point
 Ochsner, Paul Clifford, C, n.....Corvallis
 Odell, Everett Newton, C, 3.....Eltmira
 Olt, Homer H., A, 2.....Ontario
 Ogburn, Irene Frances, V, 2.....Portland
 Oglesby, Jean M., C, 3.....Corvallis
 Oglesby, Loris Calmer, V, 4.....Banks
 Oglesby, Rebecca, C, 1.....Corvallis
 Ohman, Sylvia May, C, 1.....Bandon
 Okada, Norihisa, ME, 2.....Portland
 Oldham, Dorothy, V, 2.....Glendale, Calif.
 Olds, Clarence Russell, A, 2.....West Linn

Olin, Artha Marie, V, 4.....Bend
 Oliphant, Elwood B., CE, n.....Gold Beach
 Oliver, Frank Wesley, E, 1.....Eugene
 Oliver, Grayce Elizabeth, V, 4.....Milwaukie
 Olsen, Carl Philip, ME, 2.....Portland
 Olsen, Harry Louis, F, 4.....Portland
 Olson, Stanley, F, 1.....Portland
 Olson, Earl Bernhard, C, 1.....Portland
 Olson, Helen C., C, 3.....Portland
 Olson, Newton H., Ch, 3.....Whitefish, Mont.
 Oorthuys, Henrick Jacob, ME, 2.....Corvallis
 Opdenweyer, Albert E., E, 1.....Portland
 Ormsby, Willard Harold, EE, 4.....Pendleton
 Orr, Alfred Eugene, C, 2.....Medford
 Osborn, Joseph D., C, 3.....Van West, Ohio
 Osborn, Robert Marion, A, 2.....Hillsboro
 Osburn, John Burr, A, 1.....Astoria
 Osenbrugge, Louise Alberta, H, 1.....Medford
 Osenbrugge, Margaret Pauline, H, 2.....Med-
 ford
 Otis, Paul Eugene, A, 2.....Corvallis
 Ott, Mary Elizabeth, H, 3.....Portland
 Ott, Walther Henry, A, 2.....Hermiston
 Overlie, Foster Hill, C, 1.....Corvallis
 Packer, Hazel, H, 4.....Eugene
 Paddock, Mary Gail, C, 1.....Fish Trap, Mont.
 Paddon, Ronald H., C, 2.....Jockport, N. Y.
 Padgett, Peter Wilson, Ch, 2.....Victoria, B. C.
 Padrick, Margaret C., C, 2.....Portland
 Painter, Mae, C, 4.....Corvallis
 Painter, Roy Phillip, A, 1.....Corvallis
 Painter, William, V, 1.....Marshfield
 Palmer, Noble Eugene, F, 1.....Kimberly, Ida.
 Palmiter, Marianne Isabel, C, 2.....Portland
 Palmrose, Edwin Gustoff, Ch, 2.....Seaside
 Palmrose, William E., C, 1.....Seaside
 Panek, John Standley, C, n.....Amity
 Pangle, Harold James, V, 1.....Costa Mesa,
 Calif.
 Pantle, Alvin T., C, 1.....Portland
 Pantle, Melvin, C, 1.....Portland
 Panzer, Helen Louise, C, 4.....Portland
 Panzer, Otto Emil, A, 2.....Portland
 Parke, Melanie Joanne, H, 1.....Portland
 Parke, William Norwood, F, 4.....Eugene
 Parker, Clarence N., C, 4.....Portland
 Parker, Edgar James, F, 4.....Corvallis
 Parker, Edward T., Ch, 2.....Portland
 Parker, John R., F, 4.....Los Angeles, Calif.
 Parker, Veldon Albert, F, 4.....Vernonia
 Parks, Clifford Oliver, E, 1.....Milwaukie
 Parman, Janet Helen, V, 3.....Condon
 Parrish, George C., V, 4.....St. Helens
 Parrish, Ray Leshe, P, 3.....Newberg
 Parrott, Marjorie Lucille, C, 2.....Portland
 Parsons, Edith Ann, V, 4.....Palo Alto, Calif.
 Patch, Dennis Wilmer, F, 4.....Weiser, Ida.
 Patchett, Anita Glasier, H, 1.....Newman,
 Calif.
 Patchett, Rhoda Muriel, H, 1.....Newman,
 Calif.
 Patee, Richard Harold, P, 1.....Pacoina, Calif.
 Patrick, Robert J., V, 1.....Portland
 Patrick, William D., V, 1.....Portland
 Patten, Virginia F., V, 1.....Eugene
 Patterson, Frances Helen, V, 3.....Albany
 Patton, Gordon Eugene, V, 2.....Portland
 Patton, William R., E, 1.....Portland
 Paulsen, Herbert Walter, Ch, 3.....Lewiston,
 Idaho
 Paulsen, Maxine Mary, C, 2.....The Dalles
 Paulsen, Prudence Elizabeth, C, 3.....The
 Dalles
 Payne, Clifford William, C, 3.....Portland
 Peacock, Thomas Orville, F, n.....Crescent
 City, Calif.
 Peal, George, C, 2.....Enterprise
 Pearce, Frank Charles, M, n.....Portland

- Pearce, Jack B., C, 2.....Portland
 Pearl, John Joseph, EE, 4.....Brownsville
 Pearson, Alvida V., H, 4.....Raymond, Wash.
 Pearson, Samuel John, E, 1.....Portland
 Pease, Harvey Diers, C, 4.....Portland
 Peavy, Eleanor Wood, O, 2.....Corvallis
 Peavy, Norbert Edwin, V, 4.....Corvallis
 Peck, Barbara Stewart, H, 4.....Corvallis
 Penland, Mary E., V, 2.....Halsey
 Pennell, Lotus William, EE, 3.....St. Helens
 Penney, A. J., V, 4.....Corvallis
 Pennington, Barbara, C, 1.....Portland
 Pentzer, Donald John, A, 2.....Grants Pass
 Perkins, Oliver Raymond, EE, 2.....Gardiner
 Perrin, Margaret Phyllis, V, 2.....Portland
 Perrin, William Roy, C, 3.....Oregon City
 Perry, Charles Edgar, ME, 3.....Lakeview
 Perry, Grant W., Ch, 1.....Portland
 Perry, Leon Clarence, P, 2.....Salem
 Perry, Walter LeRoy, IA, 4.....Grants Pass
 Perumean, John Moses, EE, 3.....Downey, Calif.
- Petellin, Alexander A., V, 4.....Oregon City
 Petellin, Beverly S., V, 4.....Oregon City
 Peters, Charles Wilber, C, 4.....Redmond
 Peters, Florence Marie, H, 2.....Portland
 Peterson, Robert Fred, C, 4.....Portland
 Peterson, Alice Miriam, C, 3.....Lakeview
 Peterson, George Karl, V, 4.....Corvallis
 Peterson, Lillian E., V, 3.....Portland
 Peterson, Marie Anna, H, n.....Lakeview
 Peterson, M. Maxine, C, 2.....Corvallis
 Peterson, Norma Adelle, H, 1.....Lakeview
 Petri, Lillian Jeffreys, V, S.....Corvallis
 Peterson, Elm N., A, 1.....Colton
 Peterson, Waldo J., F, 2.....Colton
 Pettit, Ellsworth E., E, 1.....Salem
 Feyree, Bernice Hester, H, 2.....Independence
 Phelps, Orange W., E, 1.....Hillsboro
 Philbrick, John Rat, F, 3.....Portland
 Phillips, Alberta Isabel, H, 4.....Palo Alto, Calif.
- Phillips, Frank Rodney, ME, 2.....Corvallis
 Phillips, George E., EE, 2.....Portland
 Phillips, Huber, C, 2.....Portland
 Philpott, David R., A, 1.....Leneve
 Phipps, John, C, 3.....Portland
 Pickthall, Walter Thomas, C, 3.....Portland
 Pierson, Eric Herbert, C, 2.....Medford
 Pierson, James Goodman, CE, 4.....Hood River
 Pierson, Morris S., A, 1.....Hermiston
 Pietarila, Helen, C, 2.....Astoria
 Figg, James Doyle, C, 1.....Portland
 Pimental, Anacleto, A, n.....Corvallis
 Pittman, Harry, V, 1.....Corvallis
 Pitts, John Prescott, F, 1.....Redondo Beach, Calif.
- Plaupt, Werner Herman, F, 1.....Coquille
 Plant, Gordon, P, 1.....Independence
 Platt, Helen Marie, H, 2.....Corvallis
 Plep, Helmut E., A, 1.....Bullards
 Plep, Herbert Oscar, A, 1.....Bullards
 Plummer, John C., V, 1.....San Fernando, Calif.
 Poco, Alice Catherine, H, 2.....Reno, Nev.
 Pogue, Doris, H, 2.....Lemon Cove, Calif.
 Poland, Edward Willard, F, 1.....Shedd
 Pollock, Leon Elbert, P, 3.....Portland
 Pollock, Wellington W., P, 3.....Tillamook
 Pomeroy, Carol H., C, 1.....Portland
 Ponsart, Maurice George, C, 3.....Corvallis
 Ponting, Claud Davis, A, 4.....Port Orford
 Poorman, John M., MS, 4.....Portland
 Pope, Eleanor May, C, 4.....Park Place
 Pope, George Albert, A, 4.....Corvallis
 Porfly, Frank Egbert, A, 2.....Prineville
 Porter, Arthur J., ME, 4.....West Linn
 Porter, Roderick L., CE, 4.....West Linn
 Portersheid, Edwin M., P, 4.....Elmira
- Post, Anita Helene, O, 2.....Portland
 Potter, Donald Milton, C, 1.....Portland
 Potter, E. Milton, V, 1.....Portland
 Potts, David Ross, E, 1.....Portland
 Powell, Doria May, H, 3.....Piedmont, Calif.
 Fowel, Gordon Hoyce, C, 1.....Newman, Calif.
 Powell, Harold G., F, 4.....Corvallis
 Powers, Jr., Ira Frost, C, 4.....Portland
 Powers, Myron John, Ch, 4.....Corvallis
 Powers, Robert Becke, ME, 2.....Aurora
 Powers, Warren Hickman, E, 1.....Parma, Idaho
- Poyfair, Vella, H, 1.....Portland
 Poysky, E. Edward, C, 4.....Astoria
 Prael, Charles George, E, 1.....Ontario
 Pratt, Emerson Treifen, Ch, 2.....Ashland
 Pratt, Marguerite B., C, 4.....Corvallis
 Pratt, Wilson Adams, ME, S.....Corvallis
 Prentiss, Donald C., A, 2.....Corvallis
 Prentiss, Robert Watt, A, 4.....Corvallis
 Price, Bruce Cook, EE, 4.....Portland
 Price, Eldred Franklin, C, 1.....Weston
 Price, Harold L., V, 1.....Aloha
 Price, Kenneth Charles, A, 3.....Santa Ana, Calif.
- Price, Margaret Jean, H, 1.....Corvallis
 Price, Mary Catherine, C, 1.....Portland
 Prizer, Irene V, 2.....Marshfield
 Proebatel, McArthur, E, 1.....Portland
 Proebstel, Robert I., C, 3.....Haines
 Proffitt, Marian, V, 2.....Oregon City
 Pronzos, John James, V, 1.....San Francisco, Calif.
- Propstra, Helen Annette, C, 1.....Forest Grove
 Prothero, Stephen Everett, C, 2.....Portland
 Prouty, Roy Henry, C, 3.....Glendale, Calif.
 Prudhomme, Virginia E., H, 3.....Portland
 Puhols, Edwin James, C, 2.....Portland
 Puckett, Dell, E, 1.....Cove
 Pugsley, Harold K., P, 2.....Corvallis
 Puhn, Walter, F, 4.....Corvallis
 Purdia, William Mahlon, C, 4.....Medford
 Purvine, Maud C., H, S.....Corvallis
 Purvis, Alice Edith, C, 3.....Vale
 Puustinen, Lahji, M, n.....Svensen
 Puustinen, Toivo Usko, IA, 2.....Svensen
 Pyle, Fred G., G, 1.....Eugene
 Quigley, Alice A., H, 2.....San Francisco, Calif.
 Quirk, Charles John, EE, 1.....Portland
 Raabe, Howard W., V, 1.....Portland
 Raasina, Esther Eva, H, 3.....Astoria
 Rackleff, Angus N., A, 3.....Marshfield
 Radke, Esther, C, 1.....Corvallis
 Radke, Roy Daniel, C, 1.....Corvallis
 Radosovich, John Edward, C, 1.....Puyallup, Wash.
- Raffety, Earl William, C, 2.....Portland
 Raioth, Glenn, C, 4.....Junction City
 Rahmig, Clarence, Ch, 2.....Tigard
 Raisig, Theodore John, ME, 2.....Portland
 Ralston, Edward I., EE, 4.....Corvallis
 Ralston, Helen, V, 2.....Corvallis
 Ramos, Jose M., ME, 3.....Corvallis
 Ramponi, Arthur Nathan, C, 2.....Corvallis
 Ramsby, Frances, V, 1.....Portland
 Ramsey, Pauline C., V, 1.....Crescent City, Calif.
- Ramsey, Robert Wade, CE, 2.....La Grande
 Rapraeger, Harold Albert, F, 3.....Corvallis
 Rase, Helen Sue, H, 2.....Corvallis
 Rase, Virginia Aurelia, C, 3.....Corvallis
 Rasmussen, Boyd L., F, 1.....Ontario
 Rasmussen, Donald Jesse, Ch, 3.....Salem
 Ray, Maxine LeBaron, G, 1.....Portland
 Ray, Russell Dean, P, 1.....Molalla
 Rea, Dorothy Eleanor, H, 3.....Hanford, Calif.
 Reager, Frank, C, 4.....Orland, Calif.
 Redding, Martin Walter, C, 4.....Salem

Redfield, Katherine M., C, 3.....Bend
 Reed, Don Hamilton, V, 2.....Glendale Calif.
 Reed, Ethyl Pauline, H, 1.....Corvallis
 Reed, Fred B., E, 1.....The Dalles
 Reed, Mary Alice, C, 4.....Estacada
 Reed, Virginia Mae, H, 3.....Portland
 Reed, Waller Hardy, F, 1.....Stockton, Calif.
 Reedy, Taylor, V, 3.....Los Angeles, Calif.
 Reekman, Evelyn Alice, H, 3.....Smith River, Calif.
 Rees, John Robert, ME, 2.....Shaniko
 Reese, George Wesley, C, 4.....Corvallis
 Reeve, Calvin, M, 1.....Corvallis
 Reeves, George Spencer, V, 4.....Portland
 Reeves, Lois Heywood, H, 1.....Portland
 Reeves, Richard Clair, C, 2.....Lebanon
 Reeves, Wanda Mae, C, 1.....Lebanon
 Reid, Alice Margaret, H, 4.....New Westminster, B. C.
 Reid, George Melville, C, 2.....Ellensburg, Wash.
 Reid, Warren Alaska, V, 2.....Corvallis
 Reierstad, Rolf Herbert, F, 3.....Portland
 Reimers, Laurel Althea, H, 3.....Marysville, Calif.
 Reinhart, Aileen E., G, 1.....Portland
 Reinsor, Robert, CE, 3.....Portland
 Remley, Rayne William, V, 2.....Myrtle Point
 Renner, Arthur Philip, V, 4.....Portland
 Renninger, Reta M., H, 3.....Albany
 Rettie, Clara Ellen, C, 3.....Fossil
 Rettman, Arthur E., F, 4.....Portland
 Reuter, Henry, A, 2.....Union
 Reynolds, Charles K., Ch, 4.....North Plains
 Reynolds, Gail Fred, C, 2.....Lakeview
 Reynolds, William R., M, 3.....Hillsboro
 Rhodes, Beulah Chloe, V, 1.....Portland
 Rhodes, John William, ME, 2.....Albany
 Rhodes, Meredith Blanche, C, 1.....Portland
 Rible, Gay Henry, F, 1.....Portland
 Rice, Dorothy Louise, H, 4.....Myrtle Creek
 Rice, Emery L., A, 3.....Eagle, Idaho
 Rice, James Moses, P, 3.....Myrtle Creek
 Rice, Maureen Evelyn, H, 1.....Portland
 Rice, Neil Byron, F, 2.....Port Orford
 Richards, Franklin Arthur, C, 2.....Baker
 Richards, Howard John, CE, 2.....Milwaukie
 Richards, Leslie Charles, M, 2.....Portland
 Richards, Mildred Arline, H, 1.....San Diego, Calif.
 Richardson, John A., C, 2.....Portland
 Richardson, John Franklin, V, 3.....Prospect
 Richardson, Louis Howard, EE, 3.....Glendale, Calif.
 Richardson, Melva Burton, V, 1.....Portland
 Richardson, Nancy Lindsay, O, 2.....Portland
 Richen, Clarence Willred, F, 1.....Portland
 Richter, Carlton Ernest, V, 3.....Portland
 Ricks, Estora Velma, H, 3.....Portland
 Riddell, Walter C., EE, 3.....Molalla
 Ridder, Gilbert Henry, A, 2.....Sherwood
 Ridings, Kenneth King, A, 2.....Molalla
 Richers, Lewis, C, 1.....Portland
 Riedel, Evelyn Caroline, C, 1.....Portland
 Riggs, Estherleone, H, 2.....Portland
 Riggs, Robert Ward, C, 2.....Portland
 Rinehart, Mary Lucille, C, 1.....Enterprise
 Ring, Marie Kathryn, O, 2.....Monmouth
 Rinker, Lyman E., EE, 2.....Portland
 Rinker, William Henry, E, 1.....Portland
 Ripordan, James Joseph, C, 1.....Ontario
 Ripley, Dorothy Merle, H, 4.....Portland
 Ripley, Russell Reid, ME, 2.....Portland
 Rister, Floyd A., V, 2.....Lapine
 Ritchie, Eva Kraus, H, 3.....Aurora
 Ritchie, Leslie Alfred, E, 1.....Baker
 Rithet, Velda W., H, 2.....Victoria, B. C.
 Ritter, Irene E., V, 1.....Salem

Ritsenhouse, James D., F, 2.....Wilmington, Calif.
 Roaf, James, A, 4.....Corvallis
 Robbins, Walter C., V, 2.....Corvallis
 Roberts, Henrietta Mary, H, 4.....Portland
 Roberts, Innis, ME, 2.....Klamath Falls
 Roberts, Maurice Fuller, C, 2.....Redmond
 Roberts, William Ross, F, 1.....Portland
 Robertson, Betty Carrie, V, 3.....Los Angeles, Calif.
 Robertson, Calvin, V, 1.....Portland
 Robertson, Edward C., C, 3.....Corvallis
 Robertson, George H., C, 1.....Portland
 Robertson, Joan M., V, 1.....Portland
 Robertson, Miriam Kathleen, II, 1.....Corvallis
 Robins, Donald, A, 1.....Portland
 Robins, Thomas M., E, 1.....San Francisco, Calif.
 Robinson, Chester E., C, 1.....Union
 Robinson, Clifford, V, 3.....Corvallis
 Robinson, Clyde T., E, 1.....Portland
 Robinson, Donald Franklin, A, 2.....Corvallis
 Robinson, John E., C, n.....Portland
 Robinson, Thomas H., KE, 2.....Corvallis
 Roblin, William Edwards, A, 2.....Portland
 Robusteli, Richard James, C, 2.....Klamath Falls
 Rodgers, Kenneth Ervin, P, 4.....Woodburn
 Rodman, Millard Douglas, A, 4.....Culver
 Rodwell, Wade Arnold, C, 4.....Hood River
 Roe, Charles B., P, 3.....Hillsboro
 Rogers, Brady, A, 1.....Corvallis
 Rohrbough, Lee, A, 1.....Albany
 Rohrbough, Max H., P, 1.....Albany
 Rohrman, Charles Albert, Ch, 2.....Pendleton
 Rohrman, Ewald, Ch, 2.....Pendleton
 Rolfness, Stanley C., Ch, 1.....Portland
 Romig, Edith Marie, H, 4.....McCoy
 Romiti, Aldo Sante, V, n.....St. Helens
 Ronald, Ray Morris, E, 1.....Portland
 Roner, Fred Arnold, IA, 2.....Albany
 Roner, Joseph G., IA, 3.....Harrisburg
 Rood, Gladys Osmond, V, 4.....Hillsboro
 Rooper, Herbert P., P, 1.....McMinnville
 Root, Floyd, C, 4.....Wasco
 Ropp, Evangalyn Virginia, II, 3.....Portland
 Rose, Ann Verone, C, 2.....Oregon City
 Rose, Grace Amanda, V, 2.....Lapine
 Rose, Helen Marie, C, 4.....Oregon City
 Rose, Loretta A., C, 1.....Corvallis
 Rosé, Rowland S., ME, 3.....Portland
 Rosebrough, Harold A., A, 2.....Salem
 Rosenberg, Floyd W., C, 3.....Tillamook
 Rosenberg, Glenn, C, 4.....Tillamook
 Rosenberg, Vera Ardess, II, 3.....Tillamook
 Rosenoff, Hazel, C, 3.....Portland
 Ross, Neil, C, 1.....Weston
 Rossier, Charles William, C, 2.....Mabton, Wash.
 Rothenberger, Robert Horan, A, 2.....Sherwood
 Rothschild, Leon Max, C, 1.....Portland
 Rowan, James Davies, M, 2.....Portland
 Rowan, Robert Bruce, E, 1.....Portland
 Rowe, Dorothy Helen, H, 2.....Stayton
 Rowland, Eniz Eaton, A, 3.....Silverton
 Rowland, Harriette, II, 2.....Corvallis
 Rowland, Vivian Bertha, C, 1.....Portland
 Roy, Leighton Eugene, P, 2.....Portland
 Rucker, Fred P., C, 3.....Sherwood
 Rudd, Norman M., Ch, 2.....Alsea
 Rude, Richard Thomas, A, 1.....Corona, Calif.
 Rudesill, Clayton Rush, Ch, 1.....Portland
 Rupepell, Bobbie Alys, O, 2.....Corvallis
 Rumbaugh, Candace A., H, 2.....Parkdale
 Runcinan, Leah, H, 3.....Exeter, Calif.
 Runion, Marguerite Irma, V, 3.....Portland
 Runkle, A'leen, V, 2.....Corvallis

- Russell, Eugenia Estelle, V, 1.....Corvallis
 Russell, Helen Dorothy, H, 2.....Myrtle Point
 Russell, Helen Margery, H, 4.....Corvallis
 Russell, Lynneth F., F, 2.....Portland
 Russell, Rex II., Ch, 3.....Portland
 Russell, Vera C., II, 4.....Riverside, Calif.
 Rusi, Reg Porter, V, 2.....Corvallis
 Rutherford, Alice May, V, 4.....Portland
 Rutherford, Doris M., H, 4.....Los Angeles, Calif.
 Rutherford, William T., C, 1.....Portland
 Ryan, John A., EE, 2.....Orcutt, Calif.
 Ryan, Lois Helen, H, 1.....Junction City
 Ryan, Paul J., C, 4.....Nashville
 Rycraft, Carroll Squire, A, 1.....Corvallis
 Ryland, Max S., E, 1.....Albany
 Saager, John D., P, 2.....Freewater
 Saarinen, John A., IA, 1.....Sherwood
 Saling, Fred William, C, 2.....Corvallis
 Samsel, Scott, E, 1.....Hillsboro
 Samson, Georgena P., V, 1.....Corvallis
 Samuelson, Walter T., C, 1.....Astoria
 Sanders, Mark Edward, P, 2.....Tillamook
 Sandoz Mabel Dorothy, II, 1.....Corvallis
 Sandoz, Marcel Frank, A, 2.....Corvallis
 Sandoz, Jr., Paul Ernest, CE, 3.....Trail
 Sandquist, Harry Rudolph, A, 1.....Roseburg
 Sandquist, Walter Emanuel, A, 2.....Roseburg
 Sandry, Doris Wray, C, 2.....Rogue River
 Sandwick, Hazen A., A, 2.....Corvallis
 Sandwick, Raymond G., EE, 2.....Corvallis
 Sarif, Leland F., P, 3.....Corvallis
 Sargent, Howard Irving, EE, 3.....Portland
 Sargent, Loren, E, 1.....Goble
 Sarmiento, Igmedio M., CE, n.....Corvallis
 Sartain, Beatrice Helene, V, 2.....Portland
 Sass, Herman, A, 1.....Richland
 Sass, John Henry, A, 2.....Richland
 Sasser, Lester, E, 1.....Fossil
 Satre, Arthur Clarence, CE, 4.....Astoria
 Saubert, Jack, F, 1.....Florence
 Saunders, Beulah, G, 1.....Seaside
 Saunders, Carroll William, P, 2.....Big Eddy
 Sauter, Dorothy Lilia, C, 3.....Portland
 Sawtell, Earl, V, 3.....The Dalles
 Sawyer, Barton F., Ch, 4.....Oswego
 Sawyer, Kenneth W., C, 4.....Kerby
 SAYS, Lamer H., CE, 2.....Moro
 Scanlan, Catherine, II, 2.....Portland
 Scanlan, Lloyd Francis, C, 3.....Portland
 Schaefer, Charles Allan, C, 1.....Portland
 Schaefer, Bonnie M., P, 4.....Salem
 Schanno, Delaney P., E, 1.....The Dalles
 Schanno, Emile L., A, 3.....The Dalles
 Scharif, Cedric Emil, A, 3.....Rogue River
 Scheel, Louise Roberta, H, 1.....Tacoma, Wash.
 Scheel, Margaret Maxine, H, 1.....Tacoma, Wash.
 Schell, Roger Edmund, E, 1.....Corvallis
 Scherer, Wilma Opal, C, 2.....Corvallis
 Scheufele, George E., E, 1.....Cottage Grove
 Schlieman, Elva, H, 3.....Zamora, Calif.
 Schloth, John Willard, V, 2.....Portland
 Schmidt, Jr., Adolph D., C, 1.....Olympia, Wash.
 Schmidt, Elisa Carolyn, C, 2.....Astoria
 Schmidt, Frank, V, 1.....Long Beach, Calif.
 Schmidt, Henry Edward, CE, 4.....Portland
 Schmidt, Lloyd George, C, 2.....Grants Pass
 Schmidt, Robert Waldo, A, 1.....Albany
 Schmidt, Waldemar, Ch, 2.....Portland
 Schmiedecke, Louisa, V, 1.....Silverton
 Schneider, Robert Milton, V, 2.....Portland
 Schoeler, Gertrude Rose, V, 1.....Corvallis
 Schoolcraft, Thomas Glenn, V, 2.....Dilley
 Schrader, Helen B., H, 1.....Oakland, Calif.
 Schrader, Ralph Henry, F, 1.....Eugene
 Schroeder, George Harwood, F, 3.....Portland
 Schuele, Winifred Josephine, II, 1.....Portland
 Schult, Joe, A, 4.....Cornelius
 Schultz, Walter Albert, V, 2.....Scappoose
 Schulz, Earl Gustav, M, 1.....Portland
 Schuize, Estelle Florence, II, 1.....Brownsville
 Schwabe, William Henry, V, 4.....Portland
 Schwammel, Adolph John, V, 2.....Corvallis
 Schwartz, Margery C., V, 4.....Oswego
 Schwartz, Max Eugene, EE, 4.....Portland
 Schwarz, Raymond Harold, ME, n.....Myrtle Point
 Schwegler, Gordon, V, 4.....Svenson
 Scott, Jr., Bert R., CE, 2.....Avalon, Calif.
 Scott, Dorris Mary, II, 2.....Corvallis
 Scott, Evelyn, H, 3.....Corvallis
 Scott, Henry Webster, A, n.....Melrose
 Scott, Maylon Edward, MS, 4.....Corvallis
 Scott, Raymond Paul, EE, 4.....Marshfield
 Scott, Rodney Jerome, CE, 4.....Eugene
 Scott, Walter R., A, 4.....Portland
 Scott, William Tod, A, 1.....Oakland, Calif.
 Scudder, Elise Anderson, H, 2.....Monterey Park, Calif.
 Scurich, Stephen Robert, C, 4.....Watsonville, Calif.
 Seal, Myrtle Evalyn, V, 1.....Corvallis
 Seaman, Donald Louis, C, 1.....Portland
 Sears, Ernest Robert, A, 4.....Rickreall
 Sears, Jane Elinor, C, 1.....Portland
 Seeberger, Helen Louise, H, 1.....Portland
 Seely, Glenn T., A, 1.....Woodburn
 Selander, Owen Wilson, Ch, 4.....Sumner
 Selberg, Marion Louise, V, 1.....Portland
 Sellars, Florence Margaret, C, 2.....Portland
 Senders, Alison, C, 3.....Albany
 Senders, Bruce Morris, C, 1.....Albany
 Severance, Florence May, H, 1.....Jacksonville
 Sewall, Catherine Isabel, C, 1.....Portland
 Seymour, Stanley Gardner, C, 4.....Corvallis
 Shanahan, Robert, M, 1.....Corvallis
 Shank, Floyd T., V, n.....Brawley, Calif.
 Shank, Gladys Laura, C, 4.....Portland
 Shank, Beulah Elizabeth, V, 1.....Philomath
 Sharpe, Malcolm M., V, 2.....Oroville, Calif.
 Sharpe, Marianne Alma, V, 3.....Oroville, Calif.
 Shatokin, Ralph S., E, 1.....Milwaukie
 Shattuck, Gordon Frank, ME, 2.....Portland
 Shaug, James J., C, 2.....San Fernando, Calif.
 Shaver, Doris, H, 2.....Portland
 Shaw, John Arden, F, 1.....Klamath Falls
 Shearer, Fred, IA, 2.....The Dalles
 Sheldon, Hazel Lois, H, 1.....Fairfield, Calif.
 Sheldon, Kathryn Elizabeth, V, 1.....Toledo
 Shellabarger, John Nicholas, A, 2.....Portland
 Shellenbarger, Marion Weston, Ch, 3.....Portland
 Shellenberger, Paul Lewis, EE, 2.....Beaverton
 Shelman, Marian V., A, 2.....Lompoc, Calif.
 Shepard, Jean Lea, C, 1.....Oswego
 Shepard, Maurice Lloyd, V, 2.....Salem
 Sheridan, James Edward, C, 2.....Auburn, Calif.
 Sherwood, Donald Henry, A, 3.....Nyssa
 Sherwood, Hugh Miller, C, 3.....Corvallis
 Sherwood, Marguerite F., H, 2.....Corvallis
 Sheythe, Martin Blair, V, 3.....Airlie
 Shiach, Rose, C, 3.....Portland
 Shiels, Jr., William Edward, C, 1.....Los Angeles, Calif.
 Shinoda, Paul, A, 1.....Los Angeles, Calif.
 Skifeifer, Samuel, C, 2.....Portland
 Shoemith, Lloyd, A, 2.....Salem
 Short, Maxwell, E, 1.....Portland
 Shreve, G. Elmer, E, 1.....Albany
 Shultis, Rodney N., V, 1.....Corvallis
 Shumaker, Henry Edward A., M, 3.....Portland

Shurtliff, Norval E., E, 1.....	Hood River
Sibbald, Jean Elizabeth, G, 1.....	Kelso, Wash.
Sidler, Dorothy, H, 2.....	Portland
Singenthaler, Chris John, V, 2.....	Linnton
Sielicky, Sigmond, C, 3.....	Portland
Sitcher, Bruce Edward, C, 2.....	Portland
Siler, Clara, H, 3.....	Everett, Wash.
Simbeni, Peter, F, 1.....	Portland
Simkins, Glenn Wood, Ch, 1.....	Medford
Simmons, William H., C, 3.....	Fossil
Simon, Helen Marie, H, 2.....	St. Paul
Simons, Floraine N., H, 2.....	Corvallis
Simpson, Margaret Anne, H, 1.....	Corvallis
Simpson, Oliver Tillman, C, 2.....	Vancouver, Wash.
Sims, Barbara F., C, 3.....	Phoenix
Sims, Jessie Lenova, H, 1.....	Woodburn
Singer, Harold E., EE, 2.....	Portland
Singer, Lewis Parmerlee, EE, 3.....	Lincoln, Calif.
Sinko, Frank, A, 1.....	Arago
Sizemore, George Wesley, A, 2.....	Eden, Idaho
Sjohom, Bertil, C, 4.....	The Dalles
Skaale, Beanie Marie, C, 4.....	Portland
Skaale, Mary, V, 1.....	Knappa
Skaife, Lucile, H, 4.....	Silverton
Skeen, Priscilla, C, 2.....	Salt Lake City, Utah
Slade, Margaret J., H, 1.....	Vancouver, B. C.
Slagle, Opaul, V, 1.....	Whittier, Calif.
State, Joe, C, 1.....	Bend
Slater, Walter Davis, P, 1.....	Sutherlin
Slayton, Hale Todd, F, 2.....	Corvallis
Sleeth, Martha Ellen, H, 1.....	Portland
Sloat, James Walter, E, 1.....	Portland
Sloper, Willard Davis, EE, 2.....	Independence
Slottee, Viola B., C, 1.....	Astoria
Sly, Robert R., C, 1.....	Stevenson, Wash.
Small, Arthur R., IA, 1.....	Portland
Small, Hiram Fillmore, C, 2.....	Corvallis
Small, Robert Thomas, Ch, 1.....	Corvallis
Smiley, Arthur Cooper, C, 2.....	Santa Monica, Calif.
Smillie, James Dickson, A, 3.....	San Fernando, Calif.
Smith, Albert M., A, 2.....	Long Beach, Wash.
Smith, Bernard Franklin, G, 1.....	Corvallis
Smith, Burton M., C, 2.....	The Dalles
Smith, Clarence Z., C, 2.....	Corvallis
Smith, David R., C, 1.....	Coquille
Smith, Delmar Lee, F, 1.....	Central Point
Smith, Donald Ray, P, 2.....	Marshfield
Smith, Dorsey V., Ch, 1.....	Portland
Smith, Edith Bell, C, 2.....	Portland
Smith, Emmett Marsden, C, 1.....	Marshfield
Smith, Ernest L., IA, 3.....	Visalia, Calif.
Smith, Ernest P., C, 4.....	Etna, Calif.
Smith, Floyd, C, 2.....	Grants Pass
Smith, Floyd Owen, ME, 2.....	Portland
Smith, Grace Ruth, H, 3.....	Junction City
Smith, Homer Newton, E, 1.....	Portland
Smith, Howard George, A, 3.....	Newberg
Smith, James Leonard, ME, 3.....	Portland
Smith, Jean E., H, 2.....	Jefferson
Smith, Jessie May, C, 3.....	Roseburg
Smith, Juanita E., V, 2.....	Portland
Smith, Katherine J., C, 1.....	Dallas
Smith, Kenneth C., C, 1.....	Portland
Smith, L. Glenn, F, 1.....	Corvallis
Smith, Lawrence K., EE, 4.....	Portland
Smith, Leo Ray, E, 1.....	Corvallis
Smith, Letha Louise, P, 2.....	Corvallis
Smith, Lewis Carlisle, E, 1.....	Newport
Smith, Lucile Olive, C, 3.....	Portland
Smith, Lyle Mason, C, 2.....	Danville, Calif.
Smith, Morris Harry, V, 2.....	Portland
Smith, Nelson Frank, V, 1.....	Silver Lake
Smith, Robert C., CE, 4.....	Portland
Smith, Robert W., EE, 2.....	Portland
Smith, Roy Verne, G, 1.....	Portland
Smith, Ruth Genevieve, H, 2.....	Portland
Smith, Thayne J., C, 1.....	Tillamook
Smith, Victor Herbert, V, 1.....	Portland
Smith, Viva Gertrude, H, 3.....	Albany
Smith, W. Harris, C, 1.....	Long Beach, Calif.
Smithburg, Edward John, F, 4.....	Salem
Smullin, Joseph Dale, A, 4.....	Parkdale
Smyth, Helen May, H, 3.....	Pasadena, Calif.
Smyth, Matilda Elizabeth, V, 1.....	Corvallis
Snapp, Parker Wert, E, 1.....	Corvallis
Snook, Louis Farra, E, 1.....	Salem
Snyder, James Emerson, F, 1.....	Brownsville
Snyder, Robert Fulton, EE, 2.....	Los Angeles, Calif.
Snyder, Robert M., F, 1.....	Portland
Southworth, Earl Edward, EE, 3.....	Seneca
Spangenberg, Norman F., F, 4.....	Lakeview
Sparks, Francis C., A, 4.....	Astoria
Sparks, Victor E., V, 4.....	Corvallis
Sparre, Edith Marian, H, 2.....	Tacoma, Wash.
Spath, Glenn, P, 2.....	Seaside
Spatz, Melvin Arthur, A, 1.....	Oakridge
Spees, Violet Sarah, C, 1.....	Toledo
Spiers, Wallace Bruce, CE, 2.....	Los Angeles, Calif.
Spike, Mary Marcella, C, 1.....	Echo
Spooner, Harold Leroy, A, 1.....	McMinnville
Sprawkins, Dorothy, C, 2.....	Portland
Spring, Helen Margaret, V, 2.....	Corvallis
Spurlin, Sarah Elizabeth, C, 4.....	Corvallis
Stacey, Richard G., G, 1.....	Vale
Stafford, James Lee, V, 2.....	Portland
Stahl, Donald Henry, P, 4.....	Portland
Stahl, Esther Elizabeth, V, 2.....	Corvallis
Staley, Harriet, H, 2.....	Corvallis
Stambaugh, Adelaide M., C, 2.....	Portland
Stanard, Wayne Boyce, G, 1.....	Brownsville
Stanfield, Hugh L., A, 3.....	Echo
Stangel, Alice Frances, H, 2.....	Wilsonville
Staples, Herbert E., F, 3.....	Corvallis
Stark, Chester A., C, 3.....	Sutherlin
Stark, Douglas W., C, 1.....	Sutherlin
Stark, Leonard George, E, 1.....	Portland
Stark, Richard, C, 4.....	Portland
Starr, Virgil Evans, A, 2.....	Redmond
Statelar, Betty Jane, H, 1.....	Corvallis
Staton, Maurice Glen, E, 1.....	Portland
Stearman, Margaret R., H, 1.....	Vancouver, B. C.
Stearns, Ilo Cameron, G, 1.....	Riverside, Calif.
Steel, Elizabeth Evelyn, H, 1.....	Portland
Steel, Eunice J., O, 2.....	Portland
Steele, Ralph C., A, 2.....	Corvallis
Steinle, Ruth N., H, 2.....	Portland
Stein, John Frederick, IA, 2.....	Lakeview
Stein, Rohar Ernest, ME, 2.....	Sherwood
Steiner, Andrew, A, 4.....	Corvallis
Stenberg, Raymond Howard, ME, 2.....	Portland
Stengel, Thelma E., H, S.....	Corvallis
Stephens, Emma Jean, H, 3.....	Moro
Stephens, Jr., John Storer, C, 4.....	Palo Alto, Calif.
Stephens, Lyle, A, 1.....	Dayton
Stephens, Robert H., C, 1.....	Palo Alto, Calif.
Stephenson, Lee, IA, 4.....	Corvallis
Stephenson Lulu Mary, C, 2.....	Corvallis
Sterling, Robert H., A, 1.....	Corvallis
Sterling, Ruth Elizabeth, V, 1.....	Corvallis
Stevens, Dorothy Jane, H, 1.....	Oregon City
Stevens, Ellis John, C, 2.....	Ashland
Stevens, Howard W., C, 2.....	Glendale, Calif.
Stevenson, Glen Osborn, A, 2.....	Dallas
Stevenson, J. Renfrew, F, 2.....	Glendale
Stevenson, Lloyd Elmer, Ch, 1.....	Portland

- Stevenson, Mary Elizabeth (1), V, 2.....Glen-
dale
Stevenson, Mary Elizabeth (2), V, 3.....Port-
land
Stevenson, Thomas K., V, 3.....Corvallis
Stewart, Averil, V, 2.....Corvallis
Stewart, Bruce Elmer, A, 1.....Ontario
Stewart, Hugh Jefferson, F, 3.....Corvallis
Stewart, Loran L., F, 4.....Cottage Grove
Stewart, Opal Eleanor, C, 2.....Corvallis
Stewart, Willena, C, 1.....Corvallis
Stice, Gary O., C, 1.....Eagle Rock, Calif.
Stidham, Louis George, P, 2.....Grants Pass
Stimpson, Hermoine E., O, 2.....Seattle, Wash.
Stockman, Charles Edward, ME, 2.....Baker
Stockwell, Gordon, P, n.....Bend
Stoddard, Eleanor Carol, G, 1.....Salem
Stokes, James E., A, 2.....Astoria
Stokesbury, Walter Allen, M, 4.....Corvallis
Stone, George M., C, 4.....Portland
Stone, Geraldine Mac, H, 1.....Newman, Calif.
Stone, Robert William, Ch, 3.....Estacada
Stone, Ruth Belle, V, 1.....Portland
Stone, Theresa C., P, 1.....Corvallis
Stoop, James Howard, F, 1.....La Grande
Storfi, Lydia Anne, H, 1.....Portland
Stout, Charles Edgar, A, 2.....Corvallis
Stout, Donald, C, 1.....Portland
Stout, Margaret Pond, V, 4.....Corvallis
Stovall, Estel Leland, P, n.....Maupin
Stover, Betty, H, 2.....Corvallis
Stowell, Janet, H, 2.....Portland
Strahorn, Dorothy E., H, 1.....Portland
Strain, Sylvia, V, 4.....Portland
Strandberg, Ole Alfred, C, 3.....Banks
Stranix, Jack Thomas, CE, 3.....Silverton
Stratton, Helen Loraine, C, 1.....Portland
Strawn, Mary Virginia, H, 2.....Roseburg
Street, Donald John, V, 3.....Sutherlin
Strom, John Eric, EE, 2.....Tigard
Strong, Albert Edwin, C, 1.....Portland
Strong, Dwight Edmond, EE, 2.....Vernonia
Strong, Emory, ME, 4.....Boring
Stuart, Charles Edward, F, 1.....Long Beach,
Calif.
Stuart, Mary, H, 4.....San Marino, Calif.
Stuart, Shirley Virginia, H, 1.....Corvallis
Stucker, Lester E., C, 1.....Long Beach, Calif.
Sturgill, Jessie Cecile, C, 1.....Baker
Sturgill, Margaret Lydia, C, 1.....Baker
Stuttaford, Charlotte, H, 3.....Salem
Summers, Herbert E., V, 2.....Corvallis
Summerwell, Kermit John, F, 1.....Tillamook
Sundby, Wilfred Charles, E, 1.....Portland
Sutherland, Marian Elizabeth, C, 1.....Portland
Sutton, Donald Leonidas, V, 3.....Los An-
geles, Calif.
Svendsen, George Peter, V, 1.....Minneapolis,
Minn.
Swan, George Tillman, EE, 2.....Corvallis
Swanson, Arthur E., ME, 2.....Tigard
Swanton, Robert E., P, 1.....Marshfield
Swanner, Gladys May, V, 1.....Hermiston
Swartz, Herman Frank, A, 1.....Berkeley,
Calif.
Swedenburg, Genevieve Marie, P, 4.....Ashland
Swedenburg, M. Eleanore, H, 3.....Ashland
Sweet, Robert Clark, C, 2.....Long Beach
Swenson, Richard Irving, C, 4.....Mounouth
Synnestvedt, Margaret, H, 1.....Portland
Tabke, Robert Stanton, Ch, 3.....Astoria
Tabtab, Fidelino, V, n.....Corvallis
Taggart, Charles A., A, 3.....Portland
Takasumi, Mitsuo, A, 1.....Hood River
Tallent, Alma Rae, H, 1.....Corvallis
Tate, Lois Wagner, C, 1.....Portland
Tatro, Faye Ethel, C, 1.....Lakeview
Tatum, Charles Edward, C, 1.....Corvallis
Taylor, Jr., Bert Raymond, C, 4.....Portland
Taylor, Jack William, C, 1.....Los Angeles,
Calif.
Taylor, John Beeson, C, 1.....Corvallis
Taylor, Joseph William, E, 1.....Portland
Taylor, Merle F., C, 1.....Corvallis
Taylor, Nina Agnes, V, 2.....Portland
Taylor, Thomas Elwood, ME, 2.....Portland
Taylor, Waldo B., C, 3.....Portland
Taylor, William F., A, 2.....Corvallis
Tebb, Alice Virginia, H, 2.....Portland
Tedrow, Maurice Locke, F, 4.....Marshfield
Teel, Jack L., C, 1.....Toledo
Tefft, Beatrice Mary, C, 2.....Corvallis
Tegnell, Russell Miller, Ch, 1.....Portland
Telford, Thomas D., E, 1.....Boring
Tensen, Betty G., C, 1.....Nyssa
Terpening, Lois A., C, 4.....Clatskanie
Terry, Allen Gould, C, 4.....North Bend
Thacker, Mary Ella, V, 3.....Corvallis
Thias, Edwin Paul, EE, 2.....Hollywood, Calif.
Thielemann, Rudolf H., EE, 2.....Portland
Thomas, Andrew W., IA, 2.....Marshfield
Thomas, Barney M., A, 1.....Richmond
Thomas, Gerald John, A, 2.....Corvallis
Thomas, Harold A., A, 3.....Roseburg
Thomas, LeRoy Hamilton, Ch, 2.....Portland
Thomas, Marion D., EE, 2.....Scotts Mills
Thomas, Ordie Owen, C, 2.....Echo
Thomas, Ralph R., E, 1.....Elkton
Thomas, Richard L., C, 4.....Los Angeles,
Calif.
Thomassen, Peter P., C, 3.....Portland
Thompson, Carolyn Isabelle, H, 4.....Pendle-
ton
Thompson, Coquelle, V, 2.....Siletz
Thompson, Earl Arthur, ME, 2.....Portland
Thompson, Eva May, H, 2.....Wauna
Thompson, Glenn A., E, 1.....Salem
Thompson, Harold M., P, 2.....Pendleton
Thompson, James William, F, n.....Bend
Thompson, John Alden, P, 2.....Medford
Thompson, Konow Walter, E, 1.....Hillsboro
Thompson, Ralph M., A, 2.....Eugene
Thompson, Richard R., C, 1.....Corvallis
Thompson, Robert E., C, 1.....Palo Alto, Calif.
Thompson, Robert Stephen, A, 2.....Heppner
Thompson, Roy William, P, 1.....Bend
Thompson, Ruth Marie, H, 2.....Wauna
Thompson, Frances Vaunee, C, 1.....Corvallis
Thompson, William Frank, C, 1.....Portland
Thomsen, Elsie, A, 2.....Alsea
Thomson, Clark, A, 3.....Clackamas
Thomson, Roderick S., C, 2.....Heppner
Thorall, Verna A., G, 1.....Corvallis
Thorne, Betty Mae, H, 3.....Gresham
Thorne, Phyllis Marie, V, 3.....Newberg
Thorne, John F., V, 2.....Roseburg
Tidball, Robert L., CE, 2.....Portland
Tiedemann, Henry, F, 3.....Portland
Tillman, Charles Philip, E, 1.....Eugene
Tindall, James Wallace, P, 3.....Toledo
Tinsley, William Keith, F, 2.....Mar Vista,
Calif.
Todd, George Ferguson, Ch, 1.....Portland
Todd, Kenneth C., C, 1.....Portland
Toll, Harriet A., H, 2.....Junction City
Tolley, J. F., F, n.....Corvallis
Tomlin, John Francis, C, 2.....Corvallis
Tomlinson, Donald Edward, C, 2.....Albany
Tomlinson, Gene F., C, 1.....Portland
Tomscheck, William H., A, 1.....Portland
Tonsfeldt, Hugh H., P, n.....White Salmon,
Wash.
Tonsing, Arthur John, V, 2.....Portland
Toole, Nicole Alton, CE, 4.....Portland
Tormey, Louis Phillip, C, 3.....Portland

Towle, George E., E, 1.....	Shaw
Townes, Theodore M., Ch, 2.....	Portland
Townsend, Graham Edward, EE, 2.....	Portland
Townsend, Verna E., II, 2.....	Corvallis
Trabert, Dorothy, H, 4.....	Portland
Trachtenberg, Isadore N., A, 4.....	Norfolk, Va.
Tracy, Edan, H, 2.....	Claremont, Calif.
Traver, Harmon Richard, E, 1.....	Albany
Travis, Wilbur, E, 1.....	Corvallis
Tresch, Albert Henry, A, 2.....	Petaluma, Calif.
Triplet, Cecil, Ch, 1.....	Corvallis
Troedson, J. Francis, C, 1.....	Ione
Trollman, John, CE, 3.....	San Francisco, Calif.
Truax, Merritt Wallace, C, 2.....	Corvallis
Trust, Jack S., F, 2.....	Portland
Trust, Richard Joseph, IA, 2.....	Portland
Tucker, James Frederick, G, 1.....	Rainier
Tucker, Winston, C, 2.....	Long Beach, Calif.
Tuerck, Oscar, E, 1.....	Portland
Tumuliak, Victor, IA, n.....	Astoria
Tupling, Charles Gordon, ME, 2.....	Portland
Turnbull, Jr., William A., ME, 3.....	Portland
Turner, George J., C, 2.....	Portland
Tuttle, Loren William, C, 2.....	Grants Pass
Tyrell, Wayne Floyd, C, 1.....	Portland
Udell, Ronald S., A, 4.....	Yakima, Wash.
Uford, Marvin Rowland, E, 1.....	Albany
Umphrey, Donald, EE, 4.....	Cottage Grove
Underwood, Leon Franklin, C, 2.....	Corvallis
Ungerermann, Barbara L., C, 1.....	Portland
Upham, Andrew Claude, F, 2.....	Hermiston
Upton, Ethel Mae, V, 3.....	Tacoma, Wash.
VanArsdale, Mary Lois, II, 2.....	Redmond
Van Blaricom, Lester, Ch, 2.....	Hood River
Van Buren, Alva, A, 1.....	Weiser, Idaho
Vance, Ruth, C, 2.....	Corvallis
Van Fossen, Clara Alice, II, 1.....	McMinnville
Veal, Percy Fred, C, 3.....	Albany
Veale, Robert William, F, 1.....	Alameda, Calif.
Vennewitz, Edward Rosland, ME, 3.....	Portland
Vernon, Alice E., G, 1.....	Lakeview
Vernon, Hazel Lucille, H, 2.....	Lakeview
Vierra, Howard Walter, C, 4.....	Corvallis
Vincent, Helen, H, 2.....	Corvallis
Visetti, Dina, H, 1.....	Portland
Volkmar, Beneva, C, 2.....	Myrtle Point
Volz, Fred Emil, P, 2.....	Portland
Vossen, Earl Edward, V, 1.....	Eugene
Votaw, Floyd, A, 2.....	Whittier, Calif.
Vreeland, Whitney, EE, 2.....	Portland
Waggener, Dorris Anabel, H, 1.....	Portland
Waggoner, Edward F., C, 3.....	Corvallis
Waggoner, Jessie Gibbs, V, 2.....	Corvallis
Wagner, Dick F., E, 1.....	Portland
Wagner, Don, A, 2.....	Corvallis
Wagner, Kermit R., P, 1.....	Portland
Wagner, Thomas B., EE, 3.....	Portland
Wakefield, Alfred Sidney, V, 2.....	Milwaukie
Wakeham, Herbert Henry, C, 2.....	Santa Ana, Calif.
Walker, Denton O., C, 1.....	Freewater
Walker, Edythe Mary, H, 2.....	Portland
Walker, Estevan Archie, F, 4.....	Portland
Walker, Fletcher, Ch, 2.....	Salem
Walker, Laurel Evelyn, V, 2.....	Corvallis
Walker, Ray W., C, 2.....	Waldport
Wall, Lillian Ruth, C, 1.....	Monmouth
Wall, Mildred Olive, C, 4.....	Tigard
Wallin, Lewis Kenton, V, 4.....	Portland
Wain, Alonzo Kehne, A, 2.....	Salem
Walpole, Ella Barbara, H, 1.....	Grass Valley
Walrad, Carmen, V, 3.....	Newport
Walsh, Irvin Henry, C, 1.....	Portland
Walters, Elizabeth, V, 4.....	Corvallis
Ward, Margaret Charlotte, V, 4.....	Portland
Ward, Thomas Henry, V, n.....	The Dalles
Warg, Samuel Allen, F, 2.....	Portland
Warner, Mary Jean, H, 2.....	Albany
Warner, Winifred, C, 1.....	Medford
Warnke, Ruth Elizabeth, V, 3.....	Boise, Idaho
Warnock, Frank William P., EE, 2.....	Portland
Warren, Joseph Milton, B, 3.....	Portland
Warren, Lawrence Henry, C, 4.....	Portland
Warrington, William Rich, V, 1.....	Corvallis
Wascher, Leonard F., C, 1.....	Portland
Washburn, David, V, 4.....	Corvallis
Waters, Mervin Sterling, Ch, 1.....	Milwaukie
Waters, Wilhma Elizabeth, H, 4.....	Guper-ville, Calif.
Watkins, Erna Ruth, V, 3.....	La Grande
Watkins, Harlan Burnett, M, 4.....	Santa Ana, Calif.
Watkins, Kenneth O., M, 2.....	Philomath
Watson, Patricia Joanne, V, 3.....	Corvallis
Watson, Walter Raymond, V, 1.....	Hubbard
Watt, Warren William, A, 2.....	Aurora
Wayman, Earl Kenneth, C, 1.....	Portland
Weatherspoon, James Hayes, A, 4.....	Elgin
Weaver, Kenneth Earl, F, 1.....	Corvallis
Webb, Delmar Orville, ME, 2.....	The Dalles
Weber, Bernhard William, ME, 3.....	Portland
Weber, Clarence R., V, 1.....	Corvallis
Weber, Dale H., F, 1.....	Portland
Weber, Phil William, V, 1.....	Corvallis
Weber, Vera Helen, H, 2.....	Portland
Weberg, Helen Marie, H, 2.....	Maupin
Weddle, Beulah, II, 2.....	Stayton
Weeks, Wayne L., F, 2.....	Salem
Weikel, Ivan W., A, 2.....	Roseburg
Weis, Edgar Allen, EE, 3.....	Corvallis
Welch, James S., V, 1.....	Beaverton
Welch, Marguerite Eunice, H, 3.....	Corvallis
Wells, Bruce A., EE, 3.....	Portland
Wells, Dorothy Eileen, C, 1.....	Corvallis
Wells, Harry Bentley, Ch, 1.....	Hepner
Wells, Keith, F, 1.....	Kerby
Wenderoth, Henry John, Ch, L.....	North Bend
Wenzel, Alose E., ME, 4.....	Burns
Werner, Victor, V, 1.....	Corvallis
Westels, Conrad P., F, 3.....	Scottsburg
West, Reba Gladys, G, 1.....	Portland
West, Robert L., A, 3.....	Corvallis
Wester, John, E, 1.....	Portland
Westersund, Harriet Louise, C, 1.....	Astoria
Wheeler, Wallace Eugene, F, 4.....	Corvallis
Whepley, Ruth II., H, 3.....	Lemon Cove
Whitcomb, Morrow William, CE, 2.....	Portland
Whitcomb, Richard Langdon, E, 1.....	Portland
White, Foster William, ME, 2.....	Porterville, Calif.
White, Willard Steen, C, 1.....	Portland
Whiteis, Helen Georgia, C, 3.....	Prineville
Whitehouse, Earl Austin, P, 4.....	Lakeview
Whitehouse, Eugene W., A, S.....	Lakeview
Whitehouse, Hayden B., F, 2.....	Astoria
Whitelaw, Helen Margaret, V, 4.....	Corvallis
Whitelaw, Mary N., V, 1.....	Corvallis
Whiteside, Harold S., C, n.....	Corvallis
Whiteside, Marcella Doris, C, 1.....	Corvallis
Whitfield, Norman Charles, F, 3.....	Portland
Whiting, Marion F., E, 1.....	Portland
Whitlock, Gladys, C, 3.....	Corvallis
Whitlock, Velma Louise, C, 2.....	Corvallis
Whirsell, Kenneth Eugene, V, 3.....	Vernonia
Wicklund, Clyde Arnold, C, 1.....	Portland
Wicks, Louise, C, 2.....	Corvallis
Widlund, Elva, H, 3.....	Denair, Calif.
Widmark, Alfred Eric, P, n.....	Corvallis
Wiecek, Bessie H., H, 1.....	Corvallis
Wiese, Doris Mac, C, 1.....	Corvallis
Wiese, Frederick Cyrus, V, 1.....	Corvallis

Wieting, John O. G., A, 4.....	Corvallis	Wood, Kenneth Scott, V, 1.....	Portland
Wigg, Robert Jay, C, 1.....	Portland	Wood, Kenneth Stannard, G, 1.....	Rainier
Wilbur, Norman Richard, C, 3.....	Hood River	Wood, Russell Vincent, A, 3.....	Portland
Wilcox, Caroline Frances, C, 1.....	Corvallis	Woodard, John Charles, V, 1.....	Portland
Wilcox, Nate Fallen, F, 1.....	Lakeview	Woodard, Walter Alex, V, 2.....	Portland
Wilcox, Richard Holmes, C, 2.....	Mosier	Woodcock, Gertrude, O, 2.....	Corvallis
Wildig, Glee, V, n.....	Corvallis	Woodcock, Mary Leone, C, 1.....	Corvallis
Wiley, David, P, 2.....	Portland	Woodcock, W. Darwin, C, 3.....	Corvallis
Wiley, Wilson S., C, 3.....	Klamath Falls	Woodford, Jean, H, 1.....	Medford
Wilhite, Elsie Doris, V, 2.....	Lake Creek	Woodford, Russell Wayne, EE, 4.....	Forest Grove
Williams, Arthur Edmund, EE, 2.....	The Dalles	Woodford, Harrison William, A, 1.....	Medford
Williams, Brinley, P, 2.....	Corvallis	Woodle, Charles Leslie, A, 2.....	Eagle Creek
Williams, George F., Ch, 3.....	Portland	Woodruff, Virginia, C, 2.....	Corvallis
Williams, Helen L., V, 3.....	Corvallis	Woodward, Edythe, V, 3.....	Arago
Williams, Lyle Gilbert, ME, 4.....	Gladstone	Woodward, Helen Lou, V, 4.....	Portland
Williams, Rachael, C, 4.....	Portland	Woodworth, Hazel Aline, C, 2.....	Sixes
Williams, Robert Edward, C, 4.....	Corvallis	Woodle, Charles Leslie, A, 2.....	Eagle Creek
Williamson, Daisy Elsie, C, 2.....	Hayward, Calif.	Woolley, Lucile Elizabeth, V, 2.....	Portland
Williamson, Russell Willard, IA, 1.....	Albany	Workman, Grace Irene, H, n.....	Corvallis
Willis, Esther, II, 3.....	Vancouver, B. C.	Worrell, Mary Elizabeth, II, 4.....	Albany
Willis, Margaret Alice, H, 1.....	Portland	Wrenn, Kenneth Eugene, C, 4.....	Corvallis
Willison, Herbert, F, 3.....	Portland	Wrenn, Robert E., C, 4.....	Corvallis
Willnot, Mary Elizabeth, H, 3.....	Eugene	Wright, Dorothy Marie, A, 2.....	Pomona, Calif.
Wilson, Alden Reed, IA, 4.....	Beaverton	Wright, Eleanor Payne, H, 2.....	Salem
Wilson, Anne Katharine, C, 2.....	Linnton	Wright, Isabel, V, 3.....	Portland
Wilson, Ben A., Ch, 2.....	Klamath Falls	Wright, Joe Harris, A, 2.....	Klamath Falls
Wilson, Carl G., C, n.....	Palo Alto, Calif.	Wright, Isabel, V, 3.....	Portland
Wilson, George T., G, S.....	Corvallis	Wright, Kenneth Sheldon, ME, 3.....	Portland
Wilson, Glen W., P, 1.....	Woodburn	Wright, Paul Derrick, G, 1.....	Chino, Calif.
Wilson, Homer Leonard, ME, 4.....	Beaverton	Wright, Tom, A, 1.....	Creswell
Wilson, Howard Edward, Ch, 3.....	Beaverton	Wright, Willard Delbert, F, 1.....	Prineville
Wilson, James Baker, CE, 2.....	Wahiawa, Oahu, T. H.	Wurster, Roland Bauer, V, 4.....	Aurora
Wilson, Janet S., V, 4.....	Ashland	Wyckoff, Clifford, Ch, 2.....	Hoquiam, Wash.
Wilson, Jeanne E., H, 1.....	Salem	Wyman, Daphne Ada, V, 2.....	Albany
Wilson, Julius Robert, C, 3.....	Salem	Wymmer, William Claude, V, 4.....	Corvallis
Wilson, Kenneth Orren, F, 2.....	McMinnville	Yeates, Jesse Joseph, V, 3.....	Corvallis
Wilson, Leonard Thomas, M, 3.....	Corvallis	Yeilding, Andrew G., E, 1.....	Portland
Wilson, Merritt Dayton, C, 4.....	Portland	Yerian, Charles T., C, 4.....	Harrisburg
Wilson, Rex Harold, C, 4.....	Milton	Yerkovich, Simon, EE, 3.....	Portland
Wilson, Thomas Arden, V, 4.....	Corvallis	Yett, Jr., Porter W., C, 1.....	Portland
Wimer, Kenneth Lee, C, 1.....	Myrtle Creek	Yocum, Thurston L., Ch, 2.....	Corvallis
Windsor, Henry Austin, A, 4.....	Corvallis	Young, Blanche Ellen, G, 1.....	Silverton
Wing, Harold Robert, F, 4.....	Astoria	Young, Clair F., C, 3.....	Ione
Winkelman, Paul F., EE, 3.....	Portland	Young, Helen Augusta, H, 1.....	Tacoma, Wash.
Winkler, Frank, Ch, 1.....	Portland	Young, Inez, H, 4.....	Hood River
Winkler, Rose Caroline, V, 4.....	Portland	Young, Sayles, V, 4.....	Corvallis
Winkley, Eldon, C, 3.....	Corvallis	Young, Viva V., H, 1.....	Portland
Winters, Mary Nadine, V, 1.....	Portland	Young, William Henry, C, 4.....	Corvallis
Wirch, Arthur W., F, 1.....	Portland	Youngblood, Ross Andrew, F, 1.....	Corvallis
Wirkkala, Gertrude K., V, 1.....	Astoria	Ystad, Herbert, V, 1.....	Albany
Wise, Helen Elizabeth, H, 2.....	Grants Pass	Yundt, Clarence Paul, C, 2.....	Corvallis
Witherell, Fred W., C, 1.....	Pendleton	Zachman, Anthony J., F, 1.....	Tillamook
Withers, Charles H., C, 2.....	Portland	Zane, Edward W., F, n.....	Corvallis
Withers, Louis Alton, C, 2.....	Paisley	Zellers, Thomas Richard, E, 1.....	Portland
Wohlgemuth, Harold, A, 3.....	Newberg	Zentner, John Stoddard, E, 1.....	Merced, Calif.
Wold, Phyllis Ana, C, 1.....	North Bend	Zilk, Paul Bernard, C, 1.....	Corvallis
Wolf, Charlotte Carolyn, C, 1.....	Portland	Zimmermann, Margaret Frances, H, 2.....	Portland
Wolfe, Harvey Loman, A, 1.....	Antelope	Zimmerman, Oswald, EE, 3.....	Portland
Wolfe, Luella Mary, H, 2.....	Turlock, Calif.	Zimrick, John William, EE, 4.....	Roseburg
Wolfe, Virginia, II, 4.....	Piedmont, Calif.	Zook, Joe F., V, 1.....	Milwaukie
Wood, Frank M., C, 4.....	Corvallis	Zurcher, Benjamin Raymond, A, 1.....	Hillsboro
Wood, G. Burton, C, 2.....	Corvallis	Zwick, John Wilfred, E, 1.....	Portland
Wood, Harold William, A, 1.....	Nyssa		
Wood, Julia Esther, II, 3.....	Salem		

SUMMER SESSION STUDENTS 1931

Aamodt, Carl G.....	Corvallis	Adams, Ruby Anne.....	Wichita, Kans.
Aasen, Elda Marie.....	Myrtle Point	Adsit, Margaret Childs.....	Turlock, Calif.
Abbott, Hattie Julia.....	Moscow, Ida.	Ahlstrom, Eston H.....	McMinnville
Adams, Louise Corinne.....	Fossil	Albert, A. H.....	Portland
Adams, Orville Daniel.....	Salem	Albertson, Earle F.....	Halsey

Albertson, Esther E. Halsey
 Altan, Bessie Nicol. Vancouver, B. C.
 Allen, Elsie L. Albany
 Allen, Erhan A. Corvallis
 Allen, William Lester. Chemawa
 Alnutt, Evelyn A. Corvallis
 Alvin, Betty Mae. Lebanon
 Andersen, Roy Gihm. Portland
 Anderson, Dorothy Louise. Portland
 Anderson, Marie. Ontario
 Anderson, Martin G. Corvallis
 Andrews, Roger Russell. Edgewater, N. J.
 Appleton, Wilma Josephine. Santa Barbara, Calif.
 Aprill, Joe L. Snohomish, Wash.
 Armitstead, Amy Isabella. San Francisco, Calif.
 Arnold, Bessie Thompson. Tillamook
 Arnold, Byron D. Corvallis
 Arnsberg, Ace I. Portland
 Aske, Alice Mary. Sacramento, Calif.
 Atwood, Margaret Kent. Corvallis
 Austin, Reed. Chemawa
 Austin, Vida Ethelyn. Echo
 Axtell, Edward Goodchild. Corvallis
 Bailey, Alfred W. Portland
 Baird, Fred J. Corvallis
 Baird, Philip M. Corvallis
 Baker, Lloyd V. Carlton
 Baker, Myrtle Ruth. Harrisburg
 Baldwin, Elizabeth C. Newberg
 Ball, Wilma Esther. Orland, Calif.
 Ballantyne, Verne Henry. Knappa
 Bandy, Edythe C. Corvallis
 Barklow, Ervin Earl. Corvallis
 Barnum, Lee James. Independence
 Barnum, Mrs. W. A. Independence
 Barry, Lillian M. Anaconda, Mont.
 Bartell, Arthur Bernard. Madera, Calif.
 Bartell, Louisa V. Madera, Calif.
 Barton, Nettie V. Tulalip, Wash.
 Barton, Victor P. San Gabriel, Calif.
 Barton, Walter C. Tulalip, Wash.
 Bateman, Harold W. Milton
 Bateson, Cornelius. Portland
 Batzaglia, Frank Edward. Portland
 Bauer, Donald Clinton. Molalla
 Beal, Robert Gordon. Corvallis
 Beals, Algoma Eva. Corvallis
 Beals, Ernest L. Corvallis
 Beals, Oliver K. Corvallis
 Bean, Lucy Isabel. Junction City
 Beatty, Ruth. Brownsville
 Beckley, Lois M. Roseburg
 Bedford, James H. Glendale, Calif.
 Beebe, Francis A. Multnomah
 Beith, Marjorie Mae. Joseph
 Belanger, Joseph. Corvallis
 Bell, Barbara Dee. Corvallis
 Bell, C. Kenaston. Pasadena, Calif.
 Benefield, Velma L. Corvallis
 Bennett, Elizabeth. Corvallis
 Bennett, Florence H. Lebanon
 Bennett, Louis. Albany
 Bennett, Mary. Albany
 Bentley, Evelyn A. Tucson, Ariz.
 Boughner, Vida. Bend
 Berg, Anna Mae. Los Angeles, Calif.
 Bergholz, Mabel Cady. Sedro-Woolley, Wash.
 Bertram, Mary. Corvallis
 Betsch, Violet. Corvallis
 Betchart, Hazel Kathryn. Roy, Wash.
 Bibe, Georgia C. Corvallis
 Billing, Margaret E. Corvallis
 Bilyeu, Eloise. Portland
 Bims, Mary Anderson. Danville, Calif.
 Black, Robert James. Corvallis

Blackwood, Frances. Chinook, Montana
 Bleamaster, Miriam DuBois. Corvallis
 Blinkhorn, George P. Lebanon
 Blix, Natalie Elizabeth. Tacoma, Wash.
 Blow, Grace Hayward. Los Angeles, Calif.
 Bodle, Gwen M. Portland
 Bolton, L. Marie. Fresno, Calif.
 Bonebrake, Donald Clinton. Portland
 Bouney, Zaidee Elizabeth. Tacoma, Wash.
 Bowen, Elva Merle. Silverton
 Bowersox, John Maxwell. Fortuna, Calif.
 Boyer, Walter Norman. Rickreall
 Boyes, Henry Earl. Chemawa
 Boyles, Fernie Mary. Portland
 Braat, Doris Josephine. Dayton
 Brainard, Catherine. Devils Lake, N. D.
 Brannock, Shirley Tellason. Corvallis
 Branstetter, Joseph Clifton. Fortuna, Calif.
 Brew, Margaret Louise. Corvallis
 Bridges, Francis Wilson. Berkeley, Calif.
 Britt, Lewis C. Corvallis
 Brost, Frank Joe. Portland
 Brown, Edwin. Corvallis
 Brown, Frances Marion. Great Falls, Mont.
 Brown, George W. Portland
 Brown, Harold Deibert. Rosemead, Calif.
 Brown, Luvene. Orland, Calif.
 Brown, Mary E. San Diego, Calif.
 Brown, Otis Carleton. Corvallis
 Brown, Ruth Louise. Buhl, Ida.
 Bruce, Hannah Black. Vancouver, B. C.
 Bruce, Sadie. McMinnville
 Brumfield, Kirby E. Marshfield
 Brunson, Anne Irene. Ellensburg, Wash.
 Bryant, Claude Hale. Corvallis
 Buford, Bertha A. Hillsboro
 Burcham, John O. Cottage Grove
 Burke, Edna Lawrence. Dallas
 Burke, Frances E. Yreka, Calif.
 Burke, Kendall E. Dallas
 Burmaster, Clyde Howard. Sedro-Woolley, Wash.
 Burnett, Ronald Edwin. Woodburn
 Burtis, Barbara S. Corvallis
 Burton, Theodore. McMinnville
 Bushong, Annabelle. Salem
 Butzien, Oscar C. Naupa, Ida.
 Buzhard, Dorothy Lenore. Hillsboro
 Cahill, Robert C. Clatskanie
 Callin, Luella B. Corvallis
 Cameron, Harry W. Fairview
 Carlson, Alberta E. Los Angeles, Calif.
 Carpenter, Walter S. Grants Pass
 Carter, Estella Marie. Long Creek
 Carter, Perniecie. Long Creek
 Carver, Sanford E. Bellingham, Wash.
 Casiday, Henry Arthur. Corvallis
 Casiday, Lois Sweek. Corvallis
 Chamberlin, Esther Jane. Corvallis
 Chambers, Dorothy. Albany
 Chambers, Edythe Evelyn. Portland
 Chambers, Gladys D. Corvallis
 Chapin, Mary Varilla. Corvallis
 Chapman, Kenneth Agee. Corvallis
 Chase, Fanny D. Albany
 Chastain, Gladys Eva. Harrisburg
 Chindgren, Ruth P. Molalla
 Christiansen, Robert N. Portland
 Clark, David. Linslaw
 Clark, Fay B. Rieth
 Clark, Mabel R. Veneta
 Clayton, Marjorie Helen. Enterprise
 Coates, Mrs. Olive Marie. Corvallis
 Cochran, Marion A. Bend
 Cockerham, Ethel M. Corvallis
 Colby, Margaret Green. Bakersfield, Calif.
 Coleman, William H. Dundee

Colledge, John Arthur.....	Napa, Calif.	Elliott, Florence O.....	Klamath Agency
Comish, Alison.....	Corvallis	Elliott, Irving Cushman.....	Alturas, Calif.
Compton, L. Miles.....	Corvallis	Elliott, Olive Moore.....	Alturas, Calif.
Conner, Ava Grace.....	Corvallis	Emmerton, Stanley W.....	Coeur d'Alene, Ida.
Conway, Catherine V.....	Ontario	Erdmann, Sylvia Etta.....	Junction City
Cook, Harold E.....	Pendleton	Evans, Gladys Velma.....	Gooding, Ida.
Cool, Candace.....	Portland	Swalt, Harold P.....	Corvallis
Coopey, Raymond W.....	Corvallis	Fagans, Kenneth.....	Nehalem
Corbett, Florence Foster.....	Corvallis	Fahey, Catherine.....	Oak Grove
Cordley, Dorothea M.....	Corvallis	Farris, Mrs. Loretta H.....	Wren
Cox, Jewel Angelya.....	McMinnville	Feliz, Rita Ruth.....	Taft, Calif.
Crabtree, Warren Eugene.....	Silverton	Fellersen, Ruth Louise.....	Orland, Calif.
Craig, Allan R.....	Corvallis	Fenner, Anna Bell.....	Philomath
Crail, Elsie Vivian.....	Berkeley, Calif.	Ferris, Pearl.....	Elma, Wash.
Crawford, Tom.....	Roseburg	Finch, Marjorie L.....	Corvallis
Crofoot, Violet.....	Portland	Finnerty, George Edwin.....	Albany
Croker, Frances May.....	Salem	Fisher, Mary E.....	Springfield
Cross, Lionel E.....	Canby	Fitts, Edna M.....	Salem
Cross, Minnie Etta.....	Halsey	Flekel, Dorothy.....	Portland
Crover, Nell F.....	Lebanon	Fleming, Christine B.....	Salem
Crumly, Mrs. Margaret S.....	Corvallis	Fleming, Morey B.....	Carmel, Calif.
Cullen, Frank B.....	Corvallis	Fleming, Mrs. Morey B.....	Carmel, Calif.
Cunning, William M.....	Coquille	Fletcher, Edna H.....	Redlands, Calif.
Cunningham, Leon P.....	Lindsay, Calif.	Fletcher, Elizabeth May.....	Portland
Cupper, Mary C.....	Salem	Forcum, Paul Eugene.....	Whitefish, Mont.
Currie, Ina.....	Cashmere, Wash.	Forest, Ruth Morris.....	Enumclaw, Wash.
Currier, Robert.....	Grants Pass	Forrey, Ira H.....	Cloverdale
Curtis, Jack.....	Corvallis	Foster, Hylda Margaret.....	Portland
Curtis, S. Irving.....	Chino, Calif.	Fox, Alice Eleanor.....	Phoenix, Ariz.
Dalton, Bertha.....	Corvallis	Frack, Melvin Henry.....	Honolulu, T. H.
Dalton, Charles L.....	Corvallis	Frame, Verda Arzella.....	Ferndale, Calif.
Damon, Robert E.....	Fortuna, Calif.	France, Frank Lloyd.....	Corvallis
Danforth, Willis.....	Bend	Fries, Leona Sophia.....	Summerville
Daniels, Thaxter N.....	San Jose, Calif.	Fritchhoff, Florence Lucille.....	Omaha, Neb.
Darling, Ineta H.....	Corvallis	Fulstone, Maude L.....	Reno, Nev.
Darlington, Laurence E.....	Corvallis	Fulton, Leroy.....	Longview, Wash.
Davies, Gaylord S.....	Troutdale	Gaddis, Jean Elizabeth.....	Portland
Davis, Dale.....	Richmond, Calif.	Galloway, Maude.....	Weiser, Ida.
Davis, Laura T.....	Corvallis	Galloway, Ruth.....	Weiser, Ida.
Davis, Lempie Maria.....	Portland	Gallup, Gladys.....	Pullman, Wash.
Davis, Marion Raymond.....	Anaconda, Mont.	Gambee, Hosmer C.....	Phoenix, Ariz.
Davis, Mrs. Mary A.....	Kennewick, Wash.	Gambero, Vivia Barbara.....	Seattle, Wash.
Davis, Mrs. Merle B.....	Corvallis	Gardner, Mary Allison.....	Napa, Calif.
Davis, Robert R.....	Prineville	Gaskins, Eleanor Carolyn.....	Corvallis
Davis, Theeta.....	Billings, Mont.	Gatchell, Charles B.....	Ashland
Davis, Trist Franklin.....	Corvallis	Gaylord, Thelma C.....	Oregon City
Deakins, Sylvia Louise.....	Clackamas	Gentle, Maurice M.....	Salem
Dearborn, Oris Daniel.....	Ontario	Gibson, James S.....	Corvallis
Dickerson, Jeanette Mae.....	Springfield, Ill.	Giddings, Paul C.....	Albany
Dickey, Paul Condit.....	Deming, Wash.	Gilbert, Lucile.....	Corvallis
Dickey, Ruth Marie.....	La Verne, Calif.	Gilbertson, Mildred.....	Moscov, Ida.
Dilley, Glyde.....	Sheridan	Gildea, Thelma Throne.....	McMinnville
Dillon, Bessie.....	Sinclair, Ida.	Gill, Clara.....	Redding, Calif.
Dixon, James Victor.....	Corvallis	Gill, Irma Ione.....	Butte, Mont.
Dolezal, Anna B.....	Scio	Gill, Ruby J.....	Butte, Mont.
Donahue, Grace Helene.....	Danville, Calif.	Gilmore, William James.....	Corvallis
Donnelly, Dorsey.....	Clarkston, Wash.	Gilmore, William Vernon.....	Portland
Donovan, Mary Catherine.....	Monroe, Wash.	Girod, Frank Paul.....	Salem
Dougherty, Clara V.....	Halsey	Glasscock, Ethel Payne.....	Corvallis
Dougherty, Clifford O.....	Brownsville	Goetz, Helen Esther.....	Albuquerque, N. M.
Doyle, John B.....	Oregon City	Goff, Roby D.....	Phoenix, Ariz.
Doyle, Phoebe Meigs.....	Portland	Goin, Richard P.....	Toledo
Dreyer, Martha Doris.....	Portland	Gooding, Charlotte Olive.....	Corvallis
Duff, George R.....	Baker	Goodwin, Fred Martin.....	Corvallis
DuFrane, Jack Louis.....	Corvallis	Gowan, Enid L.....	Corvallis
Dumbeck, Ethel M.....	Albany	Graham, Ellen Dorothy.....	Los Angeles, Calif.
Dunham, Margaret Anna.....	Corvallis	Grant, Zella H.....	Medford
Dunham, Marion.....	Corvallis	Griep, Kenneth.....	Seattle, Wash.
Dunn, Burton W.....	Shedd	Griffee, Leroy D.....	Corvallis
Dunnington, Aubrey Edward.....	Corvallis	Griffie, Lucy W.....	Corvallis
Earnest, M. Lillian.....	Corvallis	Griffin, Margaret Mary.....	Tonopah, Nev.
Edwards, Aileen.....	Mayville	Grout, Ben.....	Portland
Edwards, Grant H.....	Corvallis	Grover, Charles Clifford.....	Oakland, Calif.
Edwards, Louis Carl.....	Chico, Calif.	Grow, Homer Wallace.....	Roseburg
Eickworth, Blanche.....	Empire	Guderian, Clarence A.....	Salem
Eide, Ingeborg.....	Stanwood, Wash.	Guiss, Helen McKinney.....	Woodburn
Elle, Martin J.....	Portland	Gumelius, Clare Eileen.....	Newport
Elliott, Edith D.....	Corvallis	Gumelius, Frances Margaret.....	Newport

Gunn, Marion L.	Corvallis	Johnson, Ellen O.	Arcata, Calif.
Gurley, Wayne	Canby	Johnson, Grace Lydia	Absorokee, Mont.
Hadley, Mrs. May	Turner	Johnson, J. Sidney	Wallowa
Haeseler, William Ernst	Cheney, Wash.	Johnson, Lillian	Pasadena, Calif.
Hague, Lloyd C.	Tacoma, Wash.	Johnson, Mabel Vivian	Reston
Hahn, Augusta Martha	Corvallis	Johnson, Martin Fred.	Eugene
Hairgrove, Helen Jane	Glendale, Calif.	Johnson, Mary Katherine	Corvallis
Halbert, Howard Claude	Corvallis	Jones, Casey S.	Everett, Wash.
Halbrooks, Alice Carey	Anthony, N. M.	Jones, Kenneth C.	Corvallis
Hale, Jennie Elizabeth	Phoenix, Ariz.	Jones, M. Louise	Everett, Wash.
Hall, Georgia	McMinnville	Jones, Margaret Helen	Corvallis
Hall, Lola May	Vancouver, Wash.	Jones, Rebecca	Meridian, Ida.
Halvarson, Fred Lawrence	Forest Grove	Joy, Adena Harriette	Ashland
Hammock, Floy K.	Vernonia	Juette, Winona	Aurora
Hamner, Lois A.	Albany	Kanode, Shiela M.	Taft, Calif.
Hansen, Alice D.	Corvallis	Kantola, Edward E.	Arling, Ida.
Hansen, Bertha D.	Corvallis	Kauffman, Clara V.	Corvallis
Hansen, Elmore	Corvallis	Kaufman, Walter H.	Corvallis
Harrington, Ethel	Corvallis	Keiser, Lura	Corvallis
Harrington, Joseph F.	Corvallis	Kelley, Fern Elizabeth	Corvallis
Harvey, Geraldine	Paradise Valley, Nev.	Kellogg, Bernice S.	Houlton
Harvie, Harry	Albany	Kennedy, Margaret E.	Corvallis
Hathaway, Grace Farrar	Corvallis	Kennedy, Miriam	Corvallis
Hathaway, Leta Bertha	Corvallis	Kennelly, Ardyth M.	Albany
Hauner, John Frederick	Portland	Kerr, Raymond J.	Corvallis
Hayball, Edith	Logan, Utah	Keywood, Edith F.	Easton, Wash.
Hayden, Helen	Klamath Falls	Kidder, Russell B.	Chico, Calif.
Heater, Lyle D.	Portland	King, Eleanor M.	Pacific Grove, Calif.
Hedgahl, Harold William	North Bend	King, Luther A.	Oregon City
Hei, Helen Louise	Santa Ana, Calif.	Kirkland, Minnie Marian	Corvallis
Helmick, Paul Franklin	Corvallis	Kirschman, Mrs. Mabel M.	Sedro-Woolley, Wash.
Henry, Donna Belle	Corvallis	Kletsch, Albert Gustav	Portland
Henry, Howard W.	Phoenix, Ariz.	Kline, Mary A.	Columbus, Miss.
Henson, Ruth Anne	Placerville, Calif.	Klock, Charlotte Franciel	Seattle, Wash.
Hermann, Minnie May	Broadbent	Kneipp, Margaret Marie	Snohomish, Wash.
Hermann, Rowena Vale	Albany	Knepper, Hester Elizabeth	Salmon, Ida.
Hermanson, Hildor Egil	Salem	Knickerbacker, M. Emmett	Redmond
Heywood, Ida	Panguitch, Utah	Kniefel, Mary Inez	Gresham
Hickok, Kenneth Parrish	Portland	Kohlhagen, Bertha	Roseburg
Hicks, Avis Marie	Salem	Kremers, Edward Louis	Portland
Hill, Martha	Independence	Kirz, Phyllis Hope	Burns
Hinds, Pauline	Anaheim, Calif.	Kurtz, William Henry	Portland
Hokanson, Alma Marie	Mill Valley, Calif.	Kutch, Kenneth K.	Corvallis
Holman, Lucile	Albany	Lamb, Bernice	Eugene
Hood, Winona Lake	Boring	Landers, Marjorie E.	Redwood City, Calif.
Hopkins, Luella	Long Beach, Calif.	Landes, Alfred V.	Corvallis
Hottel, Curtiss R.	Corvallis	Landry, Hazel S.	Lewiston, Ida.
Hottel, Martha Jane	Corvallis	Lane, Marie	Glide
Howard, Gilbert A.	Baker	Langdon, Floyd L.	Corvallis
Howard, Mabel Frances	Albany	Langdon, James P.	Corvallis
Howard, Tena H.	Corvallis	Larson, Ethel Christina	Olympia, Wash.
Howell, Minnie Lou	Corvallis	Lauder, Lorne R.	Gooding, Ida.
Howells, Mansfield Allan	Corvallis	Laws, Aubrey Derwin	San Jose, Calif.
Hubbell, Anna F.	Starbuck, Wash.	Layman, John Homer	Toppenish, Wash.
Hubbell, Otto H.	Starbuck, Wash.	Lehuert, Mrs. H. M.	Corvallis
Hudson, Ernest A.	Albany	Leibbrand, Glady	Milton
Huffman, Margaret	Oakland, Calif.	LeMaster, Jerome Lloyd	Corvallis
Hulac, Helen Georgia	Sheridan	Leonard, Faith Eloise	Walla Walla, Wash.
Hurley, Lucy Frances	Montpelier, Ida.	Leth, Walter Christian	Newberg
Ingalls, Alice L.	Corvallis	Lewis, David Jordan	Corvallis
Ingle, Jeannette	Albany	Lewis, Florence M.	Long Beach, Calif.
Ingraham, Audrey M.	Condon	Lewis, Thelma Hazel	Klamath Falls
Ingraham, Harry L.	Condon	Light, James Floyd	Tangent
Ireland, Margaret	Corvallis	Lindsay, E. LaRue	Corvallis
Ivie, Helen M.	Corvallis	Link, William Hazel	Seattle, Wash.
Jackson, Eldon E.	Moiava	Linstedt, Daniel Henry	Santa Cruz, Calif.
Jackson, Grace Catherine	Berkeley, Calif.	Lloyd, Edith J.	Corvallis
Jackson, Robert C.	Portland	Lloyd, Josephine C.	Corvallis
Jackson, Virgil D.	Corvallis	Lloyd, Omar M.	Corvallis
Jackson, Virginia	Corvallis	Lloyd, Philip W.	Corvallis
Jacobs, Aleen	McMinnville	Lochry, Mrs. Marie A.	Modesto, Calif.
Janzen, Linley J.	Corvallis	Logan, Felipe P.	Solano, Nueva Vizcaya, P. I.
Jardine, Helen Susanne	Corvallis	Loehr, Mrs. Ruby E.	Corvallis
Jelinek, Betty Ann	Dallas	Loughary, Arline G.	Portland
Jenks, Eleanor	Albany	Loy, Gilbert Frank	Independence
Jenks, Forena	Albany	Lui, Yu-hwang	Loking, Kiangsi, China
Jenks, Volena	Albany		
Johnson, Agnes B.	Merrill		

Lund, Besse Hardenburger.....	Corvallis
Lupton, Alice Louise.....	Burns
Lutz, Lois.....	Newberg
McAilester, Laura C.....	Corvallis
McAulay, Hulda Rose.....	Phoenix, Ariz.
McClain, Mary Oakes.....	Grants Pass
McClure, Del B.....	Portland
McCook, Robert N.....	San Bernardino, Calif.
McCorkle, Ruth.....	Maupin
McCullough, Marian K.....	Corvallis
McCumiskey, Robert E.....	Pasadena, Calif.
McDonald, Alexander Burnet.....	Bearcreek, Mont.
McDonald, Pauline Kathryn.....	Pinole, Calif.
McDuffee, Ray Wilbur.....	Heppner
McEachran, Agnes A.....	La Grande
McEachran, Ernest A.....	La Grande
McElroy, Beth R.....	Bend
McHugh, Mary Elizabeth.....	Wichita, Kans.
McKinney, J. Mark.....	Corvallis
McLean, Allen Clark.....	Dufur
McMillan, Alva Lowell.....	Corvallis
MacIntyre, Frances.....	Claresholm, Can.
Mack, Mabel Clair.....	Medford
Mackenzie, Gordon S.....	Portland
Mackey, Ulrich L.....	Phoenix, Ariz.
MacPherson, Mary A.....	Long Beach, Calif.
Mades, Margaret H.....	Seattle, Wash.
Madsen, Hazel G.....	Orland, Calif.
Magallanes, Segundo V.....	Corvallis
Mallery, Albert Lea.....	Corvallis
Mallery, Harold.....	Yamhill
Mann, Clara M.....	Portland
Manning, Juanita Chaney.....	Corvallis
Marks, Myrtle Doris.....	Chancy, Mont.
Marsden, Wallace.....	Marshfield
Marsh, Ida Belle.....	Boise, Ida.
Martin, Dorothy Lorene.....	Portland
Martin, Ethel A.....	Salem
Martin, Mary Hope.....	Corvallis
Mason, Madeline E.....	Albany
Mattmiller, Evelyn L.....	Helena, Mont.
Maxwell, Alice U.....	Albany
Maxwell, H. Elizabeth.....	Keokuk, Iowa
Maxwell, Kenneth S.....	Chico, Calif.
May, Mary Edith.....	Wichita, Kans.
Mayer, Kenneth Marion.....	Lebanon
Meador, Naomi King.....	Philomath
Merrill, Frank L.....	Corvallis
Merryman, Carl Dittmar.....	Corvallis
Merryman, Florence M.....	Silverton
Merryman, Harold Woodrow.....	Corvallis
Merryweather, Dorothea Grace.....	Lebanon
Metzler, Ruth Evelyn.....	Corvallis
Meyer, Edwin.....	Corvallis
Mickelson, William C.....	Salem
Mickelson, A. Charste.....	Devils Lake, N. D.
Miles, John R.....	Snohomish, Wash.
Miller, Bessie May.....	Los Angeles, Calif.
Miller, B. Sidney.....	Albany
Miller, Ethel McLain.....	Monmouth
Miller, Frank Joseph.....	Palo Alto, Calif.
Miller, Lillian T.....	Milwaukie
Miller, Pete R.....	Kelso, Wash.
Millhollen, Nadine.....	Corvallis
Mitchell, Helen Mildred.....	Corvallis
Moe, Patsy O.....	Corvallis
Moore, Grace.....	Corvallis
Moore, Helen Mary.....	Ruckles
Moore, Leonard A.....	Corvallis
Moore, P. H.....	Wasco, Calif.
Moore, Willetta.....	Eugene
Moore, William E.....	Portland
Moore, William C.....	Mt. Vernon, Wash.
Morgan, Ralph Lester.....	Albany
Morriset, Bryan George.....	Corvallis
Morley, David Henry.....	Polling Bay, Wash.
Morris, David Louis.....	Pasadena, Calif.
Morris, Josephine Perry.....	Centerville, Calif.
Morse, Annie Mabel.....	Hoguiam, Wash.
Morse, Walter W.....	Salem
Motley, Theadore C.....	Corvallis
Moulton, Edith Alicia.....	Kirkland, Wash.
Mountjoy, Opal M.....	Chemawa
Moyer, Ella Grace.....	Tacoma, Wash.
Moyer, Mildred.....	Tacoma, Wash.
Mulkey, Katherine Cobb.....	Monmouth
Mullen, John Russell.....	Coeur d'Alene, Ida.
Murphy, Mrs. Rita E.....	North Vancouver, B. C.
Myers, Harry L.....	Junction City
Myers, Ruth M.....	Portland
Nee, William Joe.....	Butte Falls
Neirleter, Doris M.....	Portland
Netter, Ilevig R.....	Aurora
Newberg, Annie Mary.....	Tillamook
Newill, Vera O.....	Yuba City
Newth, C. R.....	Monmouth
Newton, Chester W.....	Portland
Nicholls, William T.....	Albany
Niederfrank, E. Joy.....	Corvallis
Nixon, Clara M.....	Milledgeville, Ga.
Nixon, Howard B.....	Corvallis
Norris, Emily Jane.....	Corvallis
Norris, Rita.....	Eugene
Northey, Percival George.....	Williams, Calif.
Nystrom, Esther Amanda.....	Coeur d'Alene, Ida.
O'Neil, Alice Hester.....	Corvallis
Oddie, Gilbert M.....	Gervais
Offerman, Gustav Henry.....	San Francisco, Calif.
Ohm, Artha Marie.....	Bend
Ohla, Lillian T.....	Ontario, Calif.
Olsen, Harfeld M.....	Elma, Wash.
Olsen, Berenice.....	Tacoma, Wash.
Olson, Clarabell Ruth.....	Roseburg
Olson, Theodore Wm.....	Salem
Osika, Clarence S.....	Monmouth
Otis, Louise.....	Winnemka, Ill.
Owen, Wilma M.....	Corvallis
Owens, Lillian W.....	Medford
Page, Anna.....	Corvallis
Parker, Florence Bryant.....	Corvallis
Parker, Zelma.....	Corvallis
Parrish, Fairfax H.....	Dallas
Parrish, George C.....	Dallas
Parsons, Edith Ann.....	Palo Alto, Calif.
Parvin, Florence J.....	Dexter
Patrick, Mabel.....	Edmonton, B. C.
Patrick, Roy L.....	Napa, Calif.
Patton, Lyman William.....	Jefferson
Paul, Howard Wallace.....	Boise, Ida.
Paul, William H.....	Corvallis
Peavy, Norbert Edwin.....	Corvallis
Pehrsson, Grace Selma.....	Halsey
Penland, Mrs. Mabel A.....	Albany
Perry, Helen Lucille.....	Estacada
Perry, William M.....	Battle Ground, Wash.
Pesula, E. John.....	Medford
Peterson, Lillian E.....	Portland
Peterson, M. Maxine.....	Corvallis
Phillips, Doris.....	Marshfield
Phillips, Alberta I.....	Palo Alto, Calif.
Phillips, Harry A.....	Ashland
Phipps, Wendell F.....	Freewater
Pitcher, Laurence.....	Orange, Calif.
Platt, Genevieve.....	Corvallis
Plog, Edna Louise.....	Hood River
Poling, Dan William.....	Corvallis
Poor, Sarah Anceletta.....	Portland
Pope, Elizabeth B.....	Butte, Mont.
Pratt, Norabel.....	Portland
Prizer, Robert Morris.....	Marshfield
Proctor, Mildred A.....	San Anselmo, Calif.
Pugh, John McKinley.....	Shedd

Putman, Zerl O.....	Corvallis	Seymour, Stanley G.....	Los Angeles, Calif.
Putnam, Paul M.....	Huntington	Shank, Gladys L.....	Portland
Quimby, Ethel A.....	Halsey	Sharp, Beulah E.....	Philomath
Quinn, John Joseph.....	Courtland, Calif.	Sharrow, Bess M.....	Monmouth
Quinn, Mildred Vail.....	Courtland, Calif.	Shaver, Allen Herbert.....	Elk, Wash.
Quocbeck, Teresa Harriette.....	Enumclaw, Wash.	Shelley, Edna C.....	American Fork, Utah
Rafoth, Glenn.....	Junction City	Sheppard, Theodore.....	Pendleton
Randolph, Nellie Davis.....	Corvallis	Sherman, William A.....	Chemawa
Ranney, Ethel M.....	McMinnville	Sheythe, John Lewis.....	Corvallis
Ranra, Lillian S.....	Great Falls, Mont.	Shields, Sara Louise.....	Corvallis
Rardin, Maybelle.....	Corvallis	Shirley, Audrey Maurine.....	Corvallis
Raskopf, Ben David.....	Imbler	Shogren, Clifford.....	Corvallis
Rasmussen, Carl Peter.....	St. Paul	Sibert, Esther.....	Elberton, Wash.
Rathbone, Tom Griffiths.....	Tacoma, Wash.	Simmons, Virginia E.....	Fresno, Calif.
Reager, Frank.....	Orland, Calif.	Simon, Helen Marie.....	Saint Paul
Reasoner, Jennie Mable.....	Winters, Calif.	Simons, Miriam E.....	Corvallis
Reddy, Edith M.....	Albany	Simpson, Opal L.....	Multnomah
Redfield, Katherine M.....	Corvallis	Skaale, Bessie M.....	Portland
Rees, Errol C.....	Boring	Slogg, Ivey Jeannette.....	Atascadero, Calif.
Rees, Ruth.....	Salt Lake City, Utah	Sloper, Mildred Alma.....	Independence
Reese, George Wesley.....	Corvallis	Sly, Cecil M.....	Tualatin
Reese, Virgil.....	Corvallis	Smith, Edith Bell.....	Portland
Reichart, Robert R.....	Corvallis	Smith, Emma S.....	Snowflake, Ariz.
Reid, Lillian N.....	Long Beach, Calif.	Smith, Grace R.....	Junction City
Reinhart, Jennie Mildred.....	Foster	Smith, Harrie Leroy.....	Harrington, Wash.
Rhodes, Omer E.....	Aberdeen, Wash.	Smith, Iiram Chester.....	Elma, Wash.
Richards, Guy Everett.....	Albany	Smith, Jessie May.....	Roseburg
Richards, J.A.Rue.....	Elgin	Smith, Jim Russell.....	Corvallis
Richardson, John Franklin.....	Klamath Falls	Smith, Jaunita E.....	Portland
Richardson, Mary M.....	San Bernardino, Calif.	Smith, Martha Virginia.....	Corvallis
Riddlesbarger, W. P.....	Corvallis	Smith, Marvella Kriz.....	Burns
Riffe, Jesse Lewis.....	Corvallis	Smith, Ruth Cabeen.....	Harrington, Wash.
Roberts, Henrietta Mary.....	Portland	Smith, Seaton H.....	Burns
Robinson, Cowin C.....	Corvallis	Smith, Thelma.....	Roseburg
Robinson, Thomas H.....	Corsicana, Texas	Soderstrom, Clarence R.....	Lemoore, Calif.
Rockey, Fred D.....	Lynden, Wash.	Sorem, Clifford Michael.....	Ferndale, Calif.
Rodenwold, Zelta F.....	Corvallis	Southam, Lois Aileen.....	Corvallis
Rohner, Leta C.....	Woodburn	Southern, Verda E.....	Portland
Rohner, Preston E.....	Woodburn	Sparks, Victor E.....	Corvallis
Romig, Edith Marie.....	Hillsboro	Spence, Wilma.....	Albany
Romig, Maurice Miller.....	Hillsboro	Spike, Eleanor May.....	Echo
Roner, Joseph G.....	Harrisburg	Spike, Frances M.....	Echo
Roseman, Edward D.....	Salem	Stafford, James Lee.....	Portland
Rosenoff, Hazel.....	Portland	Stahl, Esther.....	Corvallis
Ross, Glenda C.....	Brownsville	Stallard, Agnes.....	Corvallis
Ross, Mabelle Grace.....	La Canada, Calif.	Stanley, Vesta Boylen.....	Corvallis
Rossiter, M. Agnes.....	Butte, Mont.	Stanwood, Caly A.....	Monmouth
Rounds, Wallace Thornton.....	Corvallis	Starr, Katherine Elsa.....	Mourne
Ruch, Lawrence Edwin.....	Vallejo, Calif.	Stearman, Anita Willardie.....	Vancouver, B. C.
Rucker, Fred C.....	Sherwood	Stephens, Emma Jean.....	Moro
Rudd, Charlotte Jane.....	Eugene	Stephenson, Lee.....	Corvallis
Rumohr, Louise V.....	Madras	Stephenson, Lulu Mary.....	Corvallis
Ruppel, Henry George.....	Corvallis	Stewart, Donovan.....	Amity
Rusk, Marion D.....	Portland	Stewart, Myrtle Antoinette.....	Butte, Mont.
Russell, Helen M.....	Corvallis	Stoddard, Byron Henry.....	Butte Falls
Russell, Ruth Blain.....	Roberts, Mont.	Stoever, Petronilla.....	Waukegan, Ill.
Sagaherd, Margaret F.....	Gardiner	Stone, George M.....	Portland
Sanders, Reuben.....	Chemawa	Stone, Robert William.....	Estacada
Sandwick, Galena.....	Corvallis	Stovel, George R.....	Caldwell, Ida.
Saubert, Eleanor.....	Cushman	Stovel, Margaret Regina.....	Caldwell, Ida.
Sawyer, W. Arthur.....	Kerby	Straughan, James Alfred.....	Spokane, Wash.
Say, Donald Martin.....	Corvallis	Street, Andrew Erwin.....	Malin
Schaad, Roland W.....	Newberg	Struve, Louise Christine.....	Honolulu, T. H.
Schlegel, Joseph T.....	Quincy, Calif.	Stuttaford, Charlotte.....	Salem
Schmidt, Pauline D.....	Lodi, Calif.	Sutton, Mabel Florence.....	Oakland, Calif.
Schrepel, Marie E.....	Corvallis	Svinth, Jens Frederick.....	Bandon
Schwabe, William Henry.....	Portland	Swall, Lillard Trask.....	Bend
Scott, Beverly L.....	Joseph	Swarm, Harry J.....	Tacoma, Wash.
Scott, Evelyn.....	Corvallis	Swenson, Margaret.....	Provo, Utah
Scott, Florence.....	Portland	Swenson, William Lloyd.....	Independence
Scott, Marjorie F.....	Portland	Switzer, Ellen Margaret.....	Vancouver, B. C.
Scoville, Francis.....	Corvallis	Sykes, Alice.....	Hood River
Selby, Halbert E.....	Corvallis	Teale, Harold A.....	Ashland
Seely, Lloyd G.....	Monmouth	Teats, Bert A.....	Fossil
Senders, Alison F.....	Albany	Teft, Beatrice Mary.....	Corvallis
Sexton, Theodore D.....	Bend	Tegen, Theresa.....	Corvallis

Thomas, Mary Little.....	Palo Alto, Calif.	Welch, Horace F.....	Pasadena, Calif.
Thomas, Richard L.....	Los Angeles, Calif.	Wells, Frances Beulah.....	Orland, Calif.
Thompson, Carolyn L.....	Pendleton	Wertz, Sara H.....	Grants Pass
Thompson, Charles A.....	Walla Walla	Westcott, Allan F.....	Albany
Thompson, George Levant.....	Selma, Calif.	Whipple, Edith May.....	Eugene
Thornton, Edith.....	Junction City	White, Mrs. A. J.....	Chehalis, Wash.
Toil, Harriet A.....	Junction City	White, Leroy L.....	Everett, Wash.
Tortora, Edith Mary.....	Corvallis	Whitlock, Melvin.....	Prosser, Wash.
Tovey, Margery.....	Malad City, Ida.	Whitlock, Gladys.....	Corvallis
Tremblay, Ina G.....	Marshfield	Whitlock, Velma Louise.....	Corvallis
Turnbull, James Lockhart.....	Ontario	Wick, Benjamin Edward.....	Yakima, Wash.
Turner, Richard R.....	Dallas	Wicks, Louise.....	Corvallis
Turner, Mrs. Ruth.....	Dallas	Wilkes, Lorraine.....	Longview, Wash.
Tyberg, Marguerite B.....	Gearhart	Wilkins, Fred Oscar.....	Honolulu, T. H.
Udell, Ronald S.....	Yakima, Wash.	Willard, Gertrude M.....	Berkeley, Calif.
Umstead, Mary Gloria.....	Halsey	Willard, Imogene Dolores.....	Red Bluff, Calif.
Vance, Edna.....	Corvallis	Wilson, Frank Henry.....	Dinuba, Calif.
Vance, Elizabeth.....	Corvallis	Wilson, Harry Edward.....	Eugene
Vance, Ruth.....	Corvallis	Wilson, Leonard Thomas.....	Corvallis
Van Melle, Leendert A.....	Utrecht, Holland	Wilson, Richard Henry.....	Portland
Van Syckle, Colla.....	Woodland, Calif.	Wilson, Thomas Arden.....	Corvallis
Van Waning, Isabel.....	Albany	Winters, George C.....	Corvallis
Varner, William Roy.....	Corvallis	Wolfe, Glenn A.....	Baker
Veal, Percy Fred.....	Albany	Wolfe, Lenore S.....	Baker
Visetti, Dina.....	Portland	Wolff, Anne M.....	Honolulu, T. H.
Wagstaff, Evangeline.....	Mt. Pleasant, Utah	Wood, Mabel.....	Palo Alto, Calif.
Walker, Clyde.....	Corvallis	Wood, Mabel Aitora.....	Corvallis
Wall, Mrs. Bernice M.....	Bend	Woodward, Helen L.....	Portland
Wall, Charles Marvin.....	Bend	Woughter, Eva Louise.....	Hermiston
Walters, Elizabeth.....	Corvallis	Woughter, Ruth Evelyn.....	Hermiston
Wampler, Veroka.....	Dallas	Wright, Frances M.....	Salem
Ward, Chester L.....	Corvallis	Wymer, William Claude.....	Corvallis
Wardwell, Gladys K.....	Lansing, Mich.	Yates, Ethel Grace.....	Billings, Mont.
Warren, Betty.....	Corvallis	Yeates, Jesse J.....	Corvallis
Warren, Lawrence Henry.....	Portland	Yeorian, Charles T.....	Harrisburg
Washburn, David.....	Corvallis	Young, Burris Lester.....	Dayton
Watson, Patricia J.....	Wheatland, Calif.	Young, Florence H.....	Kuna, Ida.
Wattenburger, Ina Mae.....	Echo	Young, Inez.....	Hood River
Watts, Dorothy E.....	Watsonville, Calif.	Young, Joseph.....	Salem
Watts, Mary Donaldina.....	Watsonville, Calif.	Young, William Nelson.....	Kuna, Ida.
Watts, Worth Phillips.....	Oroville, Calif.	Yount, Eleanor Josephine.....	Glendale, Calif.
Weaver, Glen Leon.....	Gresham	Yount, Evelyn Alice.....	Glendale, Calif.
Weber, Harold Kirk.....	Gresham	Zimmerdahl, Frank W.....	Adams
Weberg, Helen Marie.....	Maupin	Zobel, Ray L.....	Council Bluffs, Iowa

Eugene: University of Oregon

GRADUATE STUDENTS

1931-32

Ager, Paul W., Ec.....	Eugene	Buehler, Vida L., PE.....	Eugene
Ahearn, Jack M., Ph.....	Milton	Burkett, Gladys, Ed.....	Eugene
Akse, Peter G., Bi.....	Astoria	Campbell, Albert A., Psy.....	Portland
Allen, John Eliot, Geo.....	Eugene	Caniparoli, Mary N., Ec.....	St. Helens
Aine, Ernest A., BAd.....	Astoria	Carleton, Lillian A., AS.....	Portland
Anderson, Irving H., Psy.....	Astoria	Carr, Dorothea T., J.....	Mill Valley, Calif.
Ayres, W. Harold, Mus.....	Eugene	Carrick, Ella S., Eng.....	Eugene
Back, Laura, Lat.....	Eugene	Carter, Margaret D., AS.....	Portland
Baker, Lois L., Lat.....	Eugene	Cartwright, Donovan F., Ed.....	Gold Beach
Barr, Charles H., Ch.....	Astoria	Cash, Dora Ellen, Soc.....	Santa Barbara, Calif.
Barron, George F., Mus.....	Ashland	Chaney, Edmund Hall, Gr.....	Portland
Barto, Elizabeth, Bi.....	Thompson Falls, Mont.	Clasey, E. Merl, Ed.....	Eugene
Bastin, Catharine S., Soc.....	Portland	Cocking, Gretta, AA.....	Eugene
Bauer, Jack R. H., J.....	Portland	Coleman, Stephen D., Ch.....	Corvallis
Baxter, Christine, Mus.....	La Grande, Calif.	Comings, Bertha F., RL.....	Eugene
Bay, Clinton, Ed.....	Pasadena, Calif.	Cook, Netta E., Hst.....	Portland
Bogue, Richard, Geo.....	Merrill	Coombs, James W., PhS.....	Eugene
Bond, Frederick R., Ec.....	Eugene	Custer, Irvin D., PE.....	Eugene
Baushey, Earl E., PE.....	Eugene	Cutler, Russell K., PE.....	Eugene
Briggs, Marguerite, Eng.....	Eugene	Darby, Francis C., Ed.....	Chula Vista, Calif.
Bruce, William J., PS.....	Portland	Davis, J. DeWitt, Ed.....	Eugene
		DeFoid, Beryl, AA.....	Laurel

Demandante, Venancio D., Ed.....	P. I.	Knox, J. Douglas, Eng.....	Springfield
Dery, Robert, Ch.....	Eugene	Lafferty, Paul R., BAd.....	Eugene
Douglas, Jesse S., Hst.....	Portland	Lauchster, Harry N., Eng.....	Portland
Drill, Harry T., Ph.....	Eugene	Landras, Edna, Lat.....	Eugene
Duke, Marthiel, Eng.....	Eugene	Landru, Marjorie W., PE.....	Eugene
Duncan, Margaret M., PE.....	Eugene	Landstrom, Karl S., Ec.....	Lebanon
Dunham, Tom Henry, Bi.....	Portland	Lee, Chai Whan, Psy.....	Ansenng, Korea
Earl, Virgil D., Ed.....	Eugene	Lee, Tunnie, Bi.....	Portland
Easton, T. S., Bi.....	Eugene	Leighton, Ralph W., Ed.....	Eugene
Eberhart, Jean F., PE.....	Eugene	Leslie, Laurence D., Bi.....	Eugene
Elkins, Willard A., AA.....	Eugene	Lewis, Elizabeth A., PE.....	Eugene
Ellis, Paul Warren, Ec.....	Salem	Lewis, Ronelle B., BAd.....	Salem
Erickson, Martin Elmer, RL.....	Eugene	Lindstrom, J. Orville, BAd.....	Eugene
Evans, James R., J.....	Kent, Wash.	Linklater, Ethel W., RL.....	Eugene
Falauer, Firmin, PE.....	Warrenton	Linklater, Kenneth A., BAd.....	Hillsboro
Farinas, Jose, Eng.....	P. I.	Little, William T., Ed.....	Dayton
Faunce, Carroll S., Eng.....	Eugene	Lorbard, Frank L., Ec.....	Springfield
Field, Marian, AA.....	Eugene	Loretz, Marguerite L., Bi.....	Portland
Flakok, Arthur A., Hst.....	Meadow, S. D.	Ludington, I. Ruth, Eng.....	Creswell
Fletcher, Eliot C., AA.....	Tampa, Fla.	Lyman, Carl M., Ch.....	Eugene
Franklin, Nellie F., Mus.....	Portland	McAlister, Mildred W., Ger.....	Eugene
Fry, Kathryn E., Ed.....	Eugene	McCollom, Frieda H., Psy.....	Eugene
Fryer, Arthur L., Bi.....	Yamhill	McCollom, Ivan N., Psy.....	Eugene
Fryer, Holly C., PhS.....	Yamhill	McGill, Kenneth Gordon, Lat.....	Portland
Gartin, Uldine, Mus.....	Cottage Grove	McKennon, Cleta Pearl, Eng.....	Eugene
Gervutz, William S., Ch.....	Portland	McKennon, William Claire, Eng.....	Eugene
Goldsmith, Joseph, Lat.....	Klamath Falls	McKitrick, William Ernest, Geo.....	Eugene
Gonzales, B. Norman, Geo.....	Tracy, Calif.	Mangavil, Florendo, PS.....	Eugene
Goodyear, George H., Ch.....	Anaheim, Calif.	Markusen, Ida J., Hst.....	Junction City
Graham, Helena, Hst.....	Eugene	Mather, Irving Allan, Ed.....	Eugene
Graham, Mary, Eng.....	Eugene	Mathieson, Letha Clarice, Ec.....	Eugene
Gravos, Clara, Ed.....	Vida	Meisel, Clair C., AA.....	Eugene
Green, Winifred H., AS.....	Portland	Merrick, Pat, Eng.....	Portland
Gregory, Emma E., Ed.....	Springfield	Merrill, Marion Muriel, Psy.....	Eugene
Gregory, William C., Ch.....	Springfield	Miller, Robert Edward, Hst.....	Portland
Griggs, Allan B., Geo.....	Eugene	Millican, Jean, PhS.....	Leaburg
Gross, Mabel, Psy.....	Portland	Minturn, Howard Brigham, AA.....	Salem
Gustafson, Theodora M., Bi.....	Salem	Mobley, Lowell Dennis, PE.....	Eugene
Halderman, Rose, Eng.....	Cottage Grove	Montgomery, Elizabeth Briggs, Ed.....	Portland
Hall, Audrey, Ed.....	Eugene	Moore, Edward Randolph, Ed.....	Eugene
Hall, Elizabeth S., Psy.....	Clatskanie	Moser, Rolin Emerson, Ch.....	Salem
Hall, Frank Lee, AA.....	Eugene	Muns, J. Meyer, Ed.....	Grand Forks, N. D.
Hall, Vinton H., J.....	Jakeview	Myers, Louie McCosy, RL.....	Eugene
Hamilton, Evelyn Hope, PE.....	Central Point	Neale, Emery Whittier, Ec.....	Portland
Hampton, Claud A., Ed.....	Eugene	Nerseth, Muriel Borghild, Hst.....	White Earth, N. D.
Hampton, Lynn, Ed.....	Tigard	Newhouse, Leslie B., BAd.....	Eugene
Hartmus, Paul E., Eng.....	Eugene	Niemi, George N., PhS.....	Portland
Head, Harold Henry, BAd.....	Central Point	Northup, David W., Bi.....	Eugene
Herring, Gertrude Marcella, Eng.....	Eugene	Northup, Jane D., Bi.....	Eugene
Hewett, Bowman H., Ed.....	Eugene	Norton, Lucy S., Eng.....	Eugene
Hill, Lucille F., PE.....	Portland	Oliver, Egbert S., Eng.....	Salem
Hillgen, Marcella M., Hst.....	Eugene	Oliver, Robert T., Eng.....	Portland
Hodgin, Harrictt E., Psy.....	Newberg	Orchard, Isabel, Eng.....	Ronou, Mont.
Holaday, Duncan A., Ch.....	Monmouth	Otto, Henry G., Ch.....	Albany
Hoover, Frank, Hst.....	Eugene	Overmeyer, Philip H., Hst.....	Orting, Wash.
Hopson, Ruth E., Geo.....	Marshfield	Padilla, B. Nemcsio S., PhL.....	Manilla, P. I.
Horrell, Everett, BAd.....	Eugene	Park, Philip B., Ed.....	Portland
Hubbard, C. Andresen, Bi.....	Forest Grove	Paulier, Laura Johnson, Ed.....	Pendleton
Hunter, Virginia Lee, PE.....	Wallowa	Pemberton, H. Earl, Soc.....	Eugene
Husby, K. Lucille, Eng.....	Eugene	Perkins, Drew White, Ch.....	Eugene
Jackson, Ruth F., Eng.....	Eugene	Peterson, Eric Lee, Ph.....	Eugene
James, Robert E., Ec.....	Sacramento, Calif.	Peterson, Eva Jane, Lat.....	Walla Walla, Wash.
Jennings, J. Bruce, Eng.....	Ephraim, Utah	Peterson, Marian A., PhS.....	Eugene
Jensen, Elvira B., AA.....	Eugene	Peterson, Shailer A., Ch.....	Eugene
Jenson, Joseph, PE.....	Logan, Utah	Pettibone, Marian Hope, Bi.....	Tacoma, Wash.
Jepsen, Victor I., Hst.....	Eugene	Petzoid, Agnes, Mus.....	Oregon City
Jones, Grenville C., Eng.....	Santa Monica, Calif.	Piper, J. Mac, Ch.....	Baton Rouge, La.
Jones, Robert C., Ed.....	Riverside, Calif.	Pollard, Clarence Edwin, Hst.....	Emmett, Idaho
Joyce, John W., Ec.....	Buhl, Idaho	Poore, Ernest DeWolf, BAd.....	Corvallis
Keepers, Edna M., PhS.....	Eugene	Poucher, Robert Stansbury, PhL.....	Portland
Keppinger, Laurence O., BAd.....	Portland	Powell, Warren Clayton, Ed.....	Tyee
Kerley, Vernon E., Ed.....	Eugene	Pritchard, Walter L., AA.....	Eugene
Kidwell, Will M., Ed.....	Pilot Rock	Puckett, Jessie L., PE.....	Keno
Kienzle, Kenneth, PhS.....	Eugene	Reagan, Offie Pauline, Eng.....	Hillsboro
Kittoe, Edward D., Eng.....	Portland	Reburn, William Thomas, Ph.....	McMinnville
Klemm, Jennie, RL.....	Eugene		
Klemm, Karl, Ch.....	Eugene		
Klemm, Mary, Ec.....	Eugene		

Redetzke, Alice Myrtle, BA, D.....Forest Grove	Stovall, Jesse Lee, RL.....Lakeview
Reed, Lloyd Earl, Ed.....Clatskanie	Stovell, Frank Scudder, Eng.....Ellensburg, Wash.
Reid, Ethel Elizabeth, Ed.....Ashland	Strome, Irma E., Ed.....Eugene
Rhinesmith, O. L., Ed.....Elmira	Stuurman, Don, PhL.....Lynden, Wash.
Riehl, Arthur, AA.....Portland	Swanson, Donald Eklund, Psy.....Eugene
Ritchie, Grace Irene, AS.....Hagerman, Idaho	Swenson, Hilda G., Ed.....Colton, S. D.
Robe, Carol Vincent, RL.....Eugene	Swenson, Olga Adaline, J.....Devils Lake, N. D.
Robinson, Robert Shannon, PE.....Eugene	Terrell, Horace C., Eng.....Newberg
Root, Ethelyn Elizabeth, Eng.....Newberg	Thompson, Beatrice Rice, AS.....Portland
Ross, Verle Peterson, Ed.....Eugene	Thompson, Florence B., Eng.....Eugene
Rothwell, Charles Easton, Hst.....Eugene	Thompson, Hilda May, PE.....Monmouth
Ruff, Lloyd L., Geo.....Eugene	Trick, Orme B., Hst.....Elkton
Schreiber, Raemer Edgar, Ph.....McMinnville	Trulove, Dennis Patrick, Eng.....Eugene
Semke, Leon E., Ch.....Eugene	Turney, Dorothy Lucille, AS.....Portland
Sether, A. Truman, BA, D.....Eugene	Unger, Hilbert John, Ph.....Eugene
Shearer, William Norman, Ch.....Estacada	Van der Vate, Jan, Hst.....Eugene
Sheets, N. Meredith, Geo.....Medford	Van Groos, Naomi, Ed.....Manzanita
Shields, Alfred Eugene, PE.....Eugene	Warner, Maxwell D., BA, D.....Eugene
Shumaker, Lawrence Kenneth, Ed.....Eugene	Warren, Ella L., AA.....Eugene
Siler, James Granville, PE.....Willows, Calif.	Warren, Willis C., Ec.....Madras
Simms, Margaret Dawson, Mus.....Salem	Wessel, Louis, Ed.....Corvallis
Simson, Martin Paul, Hst.....Eugene	Whitaker, Helen E., Ed.....Myrtle Point
Simmons, Florence Annette, Ed.....Roseburg	White, Vernon M., Ch.....Portland
Sister Mary Xaverine, Ger.....Oswego	Wickham, Golda P., Eng.....Roseburg
Sister Matildo Mary Smith, Eng.....Oswego	Wickham, J. Alan, Hst.....Roseburg
Sister Ursula Hodes, Hst.....Mt. Angel	Wiggin, Erma L., Soc.....Astoria
Sloan, Errol Berry, Eng.....Eugene	Wight, Arthur E., Ed.....Lebanon
Smith, Addison M., BA, D.....Eugene	Wiley, Margaret L., Eng.....Portland
Smith, Don, Ger.....Beaverton	Wiley, Lucia, AA.....Tillamook
Smith, Helen V., B.....Caldwell, Idaho	Williams, Astrid M., Ger.....Eugene
Smith, Julian Randolph, Hst.....Portland	Williams, David C., PhS.....Portland
Snyder, Walter Edward, Ed.....Monroe	Williams, Margaret E., B.....Elgin
Spenker, Edna Curtis, Hst.....Silverton	Wilson, Robert W., BA, D.....Eugene
Springer, Clair G., Ed.....Philomath	Winchell, Jessie M., Soc.....Eugene
Stafford, Howard Straub, Geo.....Eugene	Woods, Perry D., RL.....McMinnville
Starr, William Thomas, RL.....Kirksvile, Mo.	Woodward, Glenn J., Ch.....Milton
Steele, Leonard John, Ed.....Eugene	Wynd, Robert H., Ed.....Eugene
Stehn, John H., PhS.....Eugene	Yutzler, Ruby, Ed.....Portland
Steinke, Henrietta Frances, Hst.....Portland	
Stermer, Henrietta, Ed.....Portland	
Stone, Harry Wm., Ec.....Portland	

UNDERGRADUATE STUDENTS

1931-32

Abel, Helen G., LL, 1.....Astoria	Allen, Robert H., SSC, 2.....Ontario, Calif.
Abner, Donald A., BA, 2.....Garden Home	Allen, Robert K., J, 4.....Eugene
Ackerman, Violet J., Eng, 4.....Portland	Allin, Charles Wesley, BA, 4.....Salmon, Idaho
Acosta, Irene, BA, 4.....Vernonia	Allison, Kathryn, RL, 4.....Portland
Adams, Arthur M., SSC, 2.....Portland	Althaus, Helen F., Ch, 4.....Troutdale
Adams, Catherine, AA, 3.....Eugene	Alward, Kate, LL, 2.....Portland
Adams, Fred E., BSC, 1.....Eugene	Ambrose, Wiley Wade, BA, 2.....San Diego, Calif.
Adams, John C., PL, 2.....Portland	Amundsen, E. M., L, 3.....Long Beach, Calif.
Adams, Raymond D., Psy, 3.....Portland	Anderson, Robert P., B, 3.....Portland
Adams, Verne L., AA, 2.....Eugene	Anderson, Dorothy, PhS, 1.....Portland
Adams, Violet, PE, 2.....Eugene	Anderson, S. Lynde, Soc, 4.....Portland
Adams, Walter Wayne, BA, 4.....Antelope	Anderson, Edwina V., Mus, 1.....Portland
Addleman, Saly, Mus, 4.....San Francisco, Calif.	Anderson, Frank L., SSC, 1.....Eugene
Adelsperger, Bob, BA, 3.....Marshfield	Anderson, Fred A., BA, 2.....Astoria
Ades, Robert W., AA, 2.....Eugene	Anderson, Fred R., B, 4.....Eugene
Adkins, Geraldine, AA, 2.....Junction City	Anderson, George Lee, Jr., L, 2.....La Grande
Ahern, Fred T., PL, 2.....Portland	Anderson, Grant T., BA, 3.....Eugene
Aldrich, Adelbert C., PhS, 1.....Eugene	Anderson, John J., B, 4.....Eugene
Alexander, Velma J., AA, 4.....Salem	Anderson, Leonard W., BA, 1.....Eugene
Alger, Frances, Soc, 3.....Portland	Anderson, Lowell F., AA, 2.....Portland
Allard, Jack D., PL, 2.....Portland	Anderson, Margaret E., BA, 2.....Oakland
Allen, Ethan E., Ed, 2.....Eugene	Anderson, Mildred M., Mus, 1.....North Bend
Allen, Freeman W., BA, 1.....Pendleton	Anderson, Raymond F., AA, 2.....Eugene
Allen, James Hubert, PE, 4.....Pendleton	Anderson, Robert C., BA, 2.....Astoria
Allen, Lee R., BA, 1.....Medford	Anderson, Thelma M., AA, 3.....Cove
Allen, Reynolds, BA, 2.....Salem	

Anderson, Valborg L., LL, 1.....Colton
 Anderson, Waime A., AA, 2.....Astoria
 Anderson, William A., LI, 2.....Portland
 Andrade, Dorothy M., AA, 1.....Honolulu,
 T. H.
 Andreason, Opal, Ed, 2.....Eugene
 Andren, Edwin A., AA, 4.....Medford
 Andrews, Douglas D., BSc, 2.....Portland
 Angland, Catherine, SS, 1.....Lakeview
 Ansley, A. Louise, Ec, 3.....Portland
 Anthony, Paul W., BAD, 1.....Portland
 Arant, Willard D., J, 3.....Forest Grove
 Archbold, Nancy E., SS, 1.....Portland
 Armes, Cecil R., BAD, 1.....Eugene
 Armstrong, Claudia, AA, 2.....Portland
 Arndt, Helen E., LL, 2.....Portland
 Arneson, Inga G., Mus, 1.....Corbett
 Arnold, Harold K., Ec, 4.....Portland
 Ash, Brittain H., SS, 1.....Eugene
 Asheim, Bernard, PL, 1.....Portland
 Asquith, Darrell P., BAD, 2.....San Diego,
 Calif.
 Atwood, Margaret Kent, Ed, 4.....Corvallis
 Auld, Katherine M., AA, 1.....Eugene
 Austin, Paul G., BAD, 4.....Pasadena, Calif.
 Aykens, Frederick W., AA, 1.....Portland
 Babson, James C., J, 2.....Portland
 Babson, Sydney B., 3.....Parkdale
 Backe, Gladys C., LI, 2.....Salem
 Bagley, George K., SS, 1.....Hillsboro
 Bailes, Ira J., LL, 3.....Eugene
 Bailey, George S., Ch, 3.....Grants Pass
 Bailey, Orville R., PE, 4.....Eugene
 Bailey, Robert V., SS, 2.....Eugene
 Baird, Esther E., BAD, 3.....Newberg
 Bajema, Dingeman, Ed, 4.....Portland
 Baker, Constance, Eng, 4.....Grants Pass
 Baker, Leo A., Ed, 1.....Pendleton
 Baker, Wallace D., Ec, 4.....Stanfield
 Baker, Walter F., Jr., BAD, 4.....Portland
 Balding, Jack, Ed, 3.....Medford
 Baldwin, Alberta, AS, 1.....Portland
 Bale, Paul, Ec, 4.....Piedmont Calif.
 Ball, Dorothy, PE, 4.....Medford
 Ball, Edwin Duncan, PL, 1.....Albany
 Ball, Elizabeth D., BAD, 1.....Portland
 Ballantyne, Eleanor Jane, J, 4.....Silverton
 Ballantyne, Tom, J, 1.....Silverton
 Ballard, Robert E., BAD, 2.....McMinnville
 Ballis, Edouise, Mus, 3.....Portland
 Balsiger, Celestine Anna, BAD, 3.....White
 Salmon, Wash.
 Banning, Sam H., BSc, 1.....Wauna
 Baptista, Dionicio, BSc, 2.....Eugene
 Barclay, Louise, J, 2.....Portland
 Bardwell, Betty, J, 1.....Medford
 Barendrick, William, Bi, 4.....Portland
 Barker, Barbara, RL, 4.....Portland
 Barker, Eleanor, LL, 1.....Eugene
 Barker, William A., J, 2.....Eugene
 Barklow, Opal M., Eng, 3.....Eugene
 Barney, William, Soc, 3.....Eugene
 Barr, Beatrice, RL, 4.....Klamath Falls
 Barr, Geneva Ruth, LL, 2.....The Dalles
 Barr, Joaquin R., BSc, 1.....Klamath Falls
 Barrett, G. Howard, Hist, 4.....Eugene
 Barry, Robert, SS, 1.....Lakeview
 Barthel, Dorothy, PE, 4.....Pendleton
 Bartholomew, Myrna, BAD, 1.....Springfield
 Bartle, William, J, 3.....Eugene
 Bartolome, Anastacio, BAD, 2.....Eugene
 Bartscher, Lyle, LL, 2.....Albany
 Base, Pearl, LL, 1.....Portland
 Bass, Marion E., LL, 1.....Portland
 Bachelor, Harold W., Eng, 4.....Portland
 Bates, Ross W., J, 2.....Klamath Falls
 Batzer, Herman O., Bi, 3.....Great Falls,
 Mont.

Bauer, Malcolm C., J, 1.....Pendleton
 Baughman, H. T., PhS, 2.....Eugene
 Baughman, Howard E., BSc, 1.....Eugene
 Baum, Anna L., Soc, 4.....Portland
 Baumann, Fred W., Ec, 4.....Eugene
 Baumann, George Edwin, BSc, 2.....La Grande
 Bayly, Day T., L, 1.....Eugene
 Baynard, Bernice, SS, 2.....Newberg
 Beach, Kathryn, LL, 1.....Beaverton
 Beaman, Zora E., J, 4.....Gold Beach
 Bean, Margaret, J, 2.....Eugene
 Bean, R. Allan, BAD, 4.....Freewater
 Beard, Charles, BAD, 4.....Eugene
 Beard, John C., BAD, 2.....Portland
 Beard, Orville M., PE, 2.....McMinnville
 Beardsley, G. Lorraine, BSc, 2.....Eugene
 Beardsley, Jean E., J, 1.....Eugene
 Beardsworth, Ralph C., AA, 2.....Turlock,
 Calif.
 Bechrold, Glenn A., LL, 1.....Portland
 Beckett, Clifford, BAD, 4.....Eugene
 Beckett, Ruth, J, 2.....Eugene
 Bede, Beth, J, 1.....Cottage Grove
 Bede, Harold, BAD, 2.....Cottage Grove
 Bedford, Allan O., AA, 2.....Baker
 Beers, Louise, BAD, 1.....Portland
 Beeson, Don Ray, PhS, 2.....Eugene
 Beistel, Franklin Dean, BAD, 4.....Eugene
 Bellinger, Jasper N., J, 3.....Lebanon
 Belloni, Helen, LL, 1.....Coquille
 Bender, Lawrence A., PhS, 1.....Portland
 Bendstrup, Elizabeth M., SS, 1.....Astoria
 Benjamin, Adelaide Zoe, Hist, 4.....Getwais
 Bennett, George W., SS, 2.....Eugene
 Benton, Julianne, Eng, 4.....Hood River
 Bequaith, Roberta, J, 1.....Portland
 Berg, Bill W., PL, 1.....Eugene
 Bergerson, Percy N., BAD, 4.....Vernonia
 Bernitt, Beryl J., SS, 1.....Portland
 Bernois, Rosemary M., AS, 2.....Cascade, B. C.
 Bessonette, Glen, BAD, 1.....Eugene
 Best, Charles W., PE, 1.....Eugene
 Betts, Robert V., PhS, 1.....Eugene
 Bevan, Bill, BAD, 1.....Eugene
 Bever, Helen E., BAD, 1.....Eugene
 Bickel, M. Elisabeth, HAD, 3.....Eugene
 Bickener, Ava A., AS, 1.....Oswego
 Bickford, Miriam L., Soc, 4.....Portland
 Biggs, Paul R., PL, 3.....Ontario
 Biller, Lolita Billie, Soc, 4.....Eugene
 Bilyeu, Mary Joan, Eng, 3.....Eugene
 Binder, Margaret K., LL, 1.....Portland
 Bindford, Helen, SS, 2.....Portland
 Birckett, Kathryn F., Eng, 4.....Baker
 Birkinshaw, Harold W., BAD, 2.....Portland
 Birnie, George, PL, 1.....Portland
 Bisbee, Katherine, PK, 2.....Heppner
 Bishop, Charles K., PhS, 1.....Salem
 Bishop, Delford M., BAD, S.....Eugene
 Bishop, George V., Jr., Eng, 3.....Eugene
 Bishop, Joe A., BAD, 2.....Portland
 Bishop, Robert C., BAD, 4.....Salem
 Bittner, Omar N., BSc, 1.....Portland
 Hivans, Elbert Litton, BAD, 4.....Camino,
 Calif.
 Black, Lottie M., Ed, 3.....Jacksonville
 Black, T. Albert, AA, 1.....Peck, Idaho
 Blackburne, Harold E., Ec, 4.....Arlington
 Blackwell, F. Myron, Ed, 4.....Lebanon
 Blackwell, Lorayne, Ed, 2.....Lebanon
 Blair, Benjamin S., PhS, 2.....San Francisco,
 Calif.
 Blair, James R., BSc, 2.....Portland
 Blais, Merlin, J, 4.....Eugene
 Blantz, Roland, LL, 1.....Portland
 Blodgett, George R., BAD, 2.....Portland
 Bloom, David, AA, 4.....Portland
 Boals, Harlan C., BAD, 2.....Salem

- Bobbitt, Howard, SSc, 2.....Portland
 Bock, Thorwald, AA, 4.....Eugene
 Bockman, Charles E., LL, 2.....Portland
 Boddling, Rolf V., BA, 2.....Portland
 Bohoskey, Mary E., J., 2.....Portland
 Bolds, Edward C., PL, 3.....Portland
 Boles, Rollin H., AA, 1.....Portland
 Boone, Margaret B., BSc, 2.....Portland
 Bonney, Juanita W., a.....Eugene
 Bowden, Betty, LL, 2.....Sacramento, Calif.
 Bowden, Margaret R., LL, 1.....Sacramento, Calif.
 Bowerman, William, BA, 3.....Eugene
 Bowman, Otto M., L., 2.....Portland
 Boyd, Raymond D., PhS, 1.....Mitchell
 Boyle, Walden P., Eng, 3.....Portland
 Bracher, Ruth C., Eng, 3.....Portland
 Bradford, Maryellyn, BA, 3.....Klamath Falls
 Bradley, Jesse W., BA, 4.....Klamath Falls
 Brandenburger, Sheldon, BA, 4.....Sacramento, Calif.
 Branstator, George W., BA, 3.....Astoria
 Brascel, Daniel, PL, 1.....San Francisco, Calif.
 Brassel, Donald, PL, 1.....San Francisco, Calif.
 Bratie, James H., SSc, 1.....Ridgefield, Wash.
 Breakey, Elisabeth M., AS, 4.....Portland
 Breitmayer, Ruth, Mus, 2.....Grants Pass
 Breschars, Leo Ellen, BA, 3.....Eugene
 Breslin, Louise, LL, 1.....Heppner
 Breuer, Louise, AA, 1.....Portland
 Brewer, Blayne M., Ed, 4.....Eugene
 Brewer, Gene C., BA, 1.....Clatskanie
 Breyman, Frances B., a.....Eugene
 Brice, George F., BA, 1.....Portland
 Bridgeman, Dorothy, AS, 4.....Portland
 Briggs, Barton E., L., 1.....Hollister Calif.
 Briggs, Henry M., PL, 1.....Hollister, Calif.
 Briggs, Katherine, BA, 2.....Portland
 Brigham, Dorothy G., Eng, 4.....Eugene
 Brigham, Kathryn, Ed, 4.....Eugene
 Brimlow, George F., Hist, 3.....Rainbow
 Brinton, Byron, J., 2.....Haines
 Brockman, Frances, Mus, 1.....Eugene
 Brooks, Berwin, BA, 1.....Portland
 Brooms, Wilson, J., BA, 1.....Portland
 Brooke, Frederic M., SSc, 2.....Eugene
 Brooke, James W., BSc, 2.....Eugene
 Brooks, Regina Saxon, RL, 4.....Eugene
 Brooks, Stanford, L., 2.....Astoria
 Brough, Lloyd H., BSc, 2.....Rainier
 Brown, Constance, Ed, 3.....Seattle, Wash.
 Brown, Dale Stephen, BA, 2.....Portland
 Brown, Elmer H., SSc, 1.....Eugene
 Brown, Gordon M., AA, 1.....Los Angeles, Calif.
 Brown, Harry Jay, Jr., BA, 2.....Portland
 Brown, Ira W., BA, 4.....Canby
 Brown, Lawrence W., BSc, 2.....Portland
 Brown, Lloyd H., Ch, 4.....Lonerock
 Brown, Lowell A., LL, 1.....Portland
 Brown, Margie Jane, Ed, 2.....Eugene
 Brown, Pearl E., Ed, 3.....Portland
 Brown, Ralph J., L., 1.....Portland
 Brown, Robert F., BSc, 1.....Tacoma, Wash.
 Brown, Roy E., BA, 4.....Portland
 Brown, Roy J., BA, 4.....Long Beach, Calif.
 Brown, Thelma Mary, PE, 3.....Eugene
 Browne, Albert F., Bi, 4.....Portland
 Browne, Charlotte, LL, 1.....San Francisco, Calif.
 Brownson, Orren, SSc, 1.....Eugene
 Bruce, Angela Beth, AA, 2.....Portland
 Bryan, Calvin, PS, 4.....Grants Pass
 Bryant, Jack N., AA, 3.....Newberg
 Bryant, J. Victor, Mus, 2.....Eugene
 Buckingham, H. Cecil, AA, 3.....Eugene
 Buell, Evelyn, LL, 2.....Springfield
 Buell, Fred S., BSc, 2.....Springfield
 Buen, Pastor, Ed, 2.....Eugene
 Bueuning, Alice D., BA, 3.....Eugene
 Buffington, Betty, Ed, 3.....Eugene
 Bullock, Clifford, Ec, 3.....Oakland, Calif.
 Bullock, Marguerite, PE, 4.....Eugene
 Bundrant, Sarah R., BA, 1.....Eugene
 Burdick, Mary Jane, LL, 2.....Portland
 Burich, Fred T., Bi, 3.....Bend
 Burke, Betty Jane, LL, 1.....San Mateo, Calif.
 Burke, Dolores F., LL, 2.....Portland
 Burke, Donald James, PL, 1.....Baker
 Burke, Edward T., AA, 2.....Baker
 Burke, Elsie B., Eng, 3.....San Mateo, Calif.
 Burke, James J., PL, 2.....Eugene
 Burke, Norman E., BA, 1.....Portland
 Burkhalter, Eva, PhS, 2.....Portland
 Burlingame, Crissie, LL, 2.....Astoria
 Burnett, Grace, Eng, 4.....Eugene
 Burnett, Robert Foster, Bi, 3.....Eugene
 Burnham, Francis L., Ed, 3.....Clatskanie
 Burns, Gladys S., Ed, 1.....Newberg
 Burns, Helen C., LL, 2.....Portland
 Burr, Sherwood P., Jr., BSc, 2.....Eugene
 Burrell, John E., AA, 2.....Long Beach, Calif.
 Burrow, Charles L., AA, 2.....Vale
 Burrows, Ernest J., L., 2.....Portland
 Busenbark, Joyce L., SSc, 2.....Roseburg
 Bush, Auten F., BA, 3.....Eugene
 Bush, Elber H., BA, 4.....Portland
 Bush, Neal W., PL, 2.....Vernonia
 Butler, Elisabeth, J., 2.....The Dalles
 Butler, Joe P., AA, 1.....Marshfield
 Buxton, George F., AA, 2.....Corvallis
 Byers, Don, a.....Eugene
 Byrnes, Glenn A., BSc, 2.....Portland
 Cain, Estill Virgil, L., 2.....Eugene
 Calef, Helen Mae, BSc, 1.....Portland
 Calhoon, Eugene A., BA, 4.....Eugene
 Calkins, Gladys, BA, 3.....Eugene
 Calkins, Winsor W., L., 3.....Eugene
 Call, Harlo A., BA, 2.....Coquille
 Callison, Frances G., a.....Eugene
 Calouri, Vernon, BA, 1.....Portland
 Cameron, Elizabeth Alice, AS, 1.....Eugene
 Camp, Marian, Eng, 4.....San Francisco, Calif.
 Campbell, Beulah, Eng, 4.....Dayton
 Campbell, Bruce L., BSc, 1.....Klamath Falls
 Campbell, Carolyn W., BSc, 1.....Eugene
 Campbell, Clarissa, AA, 1.....Portland
 Campbell, Eyan J., SSc, 2.....Hoquiam, Wash.
 Campbell, Harriet, SSc, 1.....Medford
 Campbell, Harriette B., AS, 1.....Silverton
 Campbell, Helen I., LL, 1.....Portland
 Campbell, Joseph W., BA, 1.....Silverton
 Campbell, Kermit W., BA, 3.....Portland
 Campbell, Paul H., Bi, 4.....Canyonville
 Campbell, Wallace J., Soc, 4.....Eugene
 Campbell, Wilbur Paul, Ec, 4.....Eugene
 Campf, Sylvan, BSc, 1.....Portland
 Cannon, Arthur M., BA, 3.....Toledo
 Cannon, Sally, SSc, 2.....Portland
 Card, Caroline H., J., 2.....Portland
 Carey, Gordon T., BA, 2.....Burns
 Carley, Alan E., BA, 2.....Medford
 Carlsen, Ruth, AS, 2.....Eugene
 Carlson, J. Spencer, PhS, 2.....Eugene
 Carlson, Kenneth David, BA, 3.....Prineville
 Carlson, Stewart C., BA, 4.....Prineville
 Carlton, Naomi B., AS, 4.....Springfield
 Carmichael, Lorin, BA, 2.....Eugene
 Carpenter, Frances May, SSc, 2.....Portland
 Carruth, Donald O., BSc, 1.....Portland
 Carson, A. Lucile, PE, 3.....Ashland
 Carson, James E., PL, 2.....Hood River
 Carson, Jane Eleanor, Bi, 4.....Hood River

Carson, Mildred, BSc, 2.....	Eugene
Carson, Ruth A., Ed, 2.....	Portland
Carter, Alice R., Soc, 4.....	Eugene
Carter, Jane, LL, 2.....	Sacramento, Calif.
Carter, Mary Lee, RL, 3.....	Portland
Carter, Ray, Bi, 3.....	Ukiah
Carter, Richard R., BSc, 1.....	Portland
Case, Kenton, L, 1.....	Eugene
Casey, Sara Mary, AS, 1.....	Eugene
Cash, Sterling E., AA, 2.....	Hood River
Cassidy, Elenc Cathelene, Ed, 3.....	Portland
Casteel, Glen, LL, 2.....	Heppner
Caswell, Donald F., J, 2.....	Eugene
Caswell, John Edwards, PhS, 2.....	Eugene
Cate, Jack R., PL, 3.....	Portland
Cathey, George A., PhS, 1.....	Albany
Catlin, Robert T., BAd, 1.....	Portland
Catlow, William V., BSc, 1.....	Portland
Catoy, Fausto, Ed, 4.....	Eugene
Catrall, John W., AA, 2.....	Astoria
Caverhill, Beverley S., SSc, 2.....	Eugene
Chamberlain, George E., BSc, 2.....	Portland
Chamberlain, George Paul, PL, 1.....	Newberg
Chambers, Jesse Earle, L, 1.....	Eugene
Chaney, Christopher Worth, PhS, 1.....	Portland
Chaney, Helen A., Eng, 4.....	Eugene
Chaney, Mary Elisabeth, AS, 4.....	Portland
Chapin, Lucile, J, 3.....	Reedsport
Chapman, Bob, BAd, 1.....	Eugene
Chapman, Carrie S., Ed, 4.....	Portland
Chapman, Dorothy O., SSc, 1.....	Marshfield
Chapman, Hugh E., SSc, 2.....	Marshfield
Chapman, Marian, RL, 3.....	Eugene
Charles, Edmund E., BAd, 2.....	Portland
Chase, Gladys Archer, Eng, 3.....	Eugene
Chase, Harriette P., Ch, 4.....	Portland
Chase, John K., BAd, 1.....	Eugene
Chase, Margaret Mae, LL, 1.....	Myrtle Point
Chatterton, Robert, PE, 4.....	Eugene
Chau, King Yat, BAd, 2.....	Hongkong, China
Chave, Thomas T., Jr., L, 3.....	Portland
Cheney, Francis, L, 2.....	Portland
Cheney, Gilbert G., SSc, 2.....	Portland
Chester, Leland R., BAd, 3.....	Vale
Chilton, Robert C., BAd, 1.....	Canyon City
Chinnock, Norma E., LL, 2.....	Grants Pass
Chiorich, Lorenz R., BAd, 1.....	Watsonville, Calif.
Christ, Sigrid M., Mus, 1.....	Redmond
Christensen, Robert C., L, 1.....	Portland
Christenson, Lorene E., AA, 4.....	Portland
Christie, Edwin J., BAd, 2.....	Eugene
Christie, Fred H., BAd, 3.....	Newberg
Christopherson, Clair Raymond, BAd, 1.....	Klamath Falls
Christopherson, Margaret N., SSc, 2.....	Eugene
Church, Adelaide M., Eng, S.....	Eugene
Clapp, W. Ray, J, 2.....	Portland
Clark, John H., AA, 2.....	Azalea
Clark, Arthur M., PL, 3.....	Canby
Clark, Genevieve A., PE, 4.....	Portland
Clark, Howard W., SSc, 2.....	Eugene
Clark, Irene May, Lat, 3.....	Eugene
Clark, Louise, Hst, 4.....	Eugene
Clark, Margaret Elinor, Eng, 3.....	Portland
Clark, Parma, PE, 2.....	Creswell
Clark, Robert H., BAd, 2.....	Lakeview
Clarke, Marion, Mus, 2.....	Portland
Clarke, William P., BAd, 1.....	Pendleton
Clarkson, Arthur, BAd, 1.....	Eugene
Clausen, John Wesley, PE, 1.....	Portland
Clay, Charles E., PL, 1.....	Medford
Clemens, M. Irene, SSc, 2.....	Buras
Clemenson, Laurence F., Bi, 4.....	Medford
Clement, Edith, PE, 2.....	Salem
Clement, Jerome, BSc, 1.....	Astoria
Clements, Arthur D., PhS, 2.....	Central Point
Clements, Edward E., BAd, 2.....	El Centro, Calif.
Cleveland, Alice H., AA, 2.....	Pendleton
Cleveland, Elinore, AA, 4.....	Gresham
Clifford, Dorothy, Eng, 3.....	Portland
Clift, Fred Ellis, PhS, 2.....	Prairie City
Clifton, Morris, J, 2.....	Sacramento, Calif.
Clodfelter, E. Scott, BAd, 1.....	Portland
Clover, June Dale, BAd, 1.....	Springfield
Coad, Carl H., BAd, 4.....	Cove
Coad, Robert W., PhS, 2.....	Cove
Coan, Burton, PL, 2.....	Portland
Coate, Lucille V., LL, 2.....	Portland
Cobb, Frank Jay, Jr., PL, 1.....	Portland
Cochran, Kate, LL, 1.....	Oak Grove
Cochran, Molly Ann, J, 1.....	Eugene
Codd, Mary B., LL, 1.....	Wenatchee, Wash.
Codding, Clarence C., PE, 1.....	Eugene
Coen, Robert A., BSc, 2.....	Roseburg
Cogswell, Philip A., J, 4.....	Portland
Cole, Ralph L., Mus, 4.....	Creswell
Coldren, Francis J., BAd, 3.....	Eugene
Cole, Clement K., PL, 3.....	Huntington Beach, Calif.
Cole, Tom Eugene, PL, 1.....	Santa Ana, Calif.
Coleman, Catherine, PL, 1.....	Eugene
Coleman, Mildred F., LL, 1.....	Eugene
Collins, Carl, L, 1.....	Portland
Collins, Gladys V., BAd, 4.....	Eugene
Collins, Mary Mildred, Hst, 4.....	Albany
Colwell, Irving, BAd, 1.....	Seattle, Wash.
Combes, Lenore E., Mus, 1.....	Kinzua
Combs, Corinne, Mus, 3.....	Eugene
Commons, Rosalie F., LL, 2.....	Portland
Compton, Arthur M., BSc, 2.....	Portland
Compton, Margaret C., BAd, 2.....	McMinnville
Comstock, Roger, BAd, 2.....	Silverton
Condon, George H., BAd, 1.....	Portland
Confrey, Donald M., Eng, 4.....	Portland
Conkey, Vera C., SSc, 1.....	Eugene
Conly, Barbara, Ed, 3.....	San Francisco, Calif.
Conoly, Bernice, Hst, 4.....	Eugene
Conrad, Pauline F., AA, 1.....	La Grande
Conroy, Paul E., J, 1.....	San Jose, Calif.
Conway, Grant, Ed, 1.....	Newberg
Conway, John S., Ed, 4.....	Newberg
Cook, Alyce M., J, 3.....	La Grande
Cook, Jane A., AA, 2.....	Multnomah
Cook, Margaret H., Eng, 3.....	Portland
Cooke, Russell W., SSc, 2.....	Eugene
Cool, Norman M., AA, 2.....	Eugene
Coombe, Eleanor, PE, 2.....	Ashland
Cooper, Harry B., LL, 2.....	Los Angeles, Calif.
Cooper, William T., BAd, 2.....	Brownsboro
Copeland, Jack E., PL, 1.....	Portland
Cornell, Darrell W., BAd, 2.....	Portland
Correll, William L., AA, 2.....	Port Orford
Corrigan, Hazle G., BAd, 1.....	Astoria
Corrigan, Phillip H., BAd, 2.....	Pasadena
Corson, Gordon W., BAd, 1.....	Eugene
Corum, Margaret, PhS, 2.....	Eugene
Cory, Mark E., SSc, 1.....	San Francisco, Calif.
Coss, Mildred E., PE, 1.....	Portland
Coss, Vivian M., PE, 4.....	Medford
Cottingham, Joy, J, 1.....	Sherwood
Cowell, Mary S., AS, 2.....	Milwaukie
Cox, Joan P., J, 2.....	Portland
Cox, John H., a.....	Springfield
Cox, J. Reid, Ec, 4.....	Wallowa
Cox, Mary Janet, SSc, 2.....	Portland
Crabb, Carrie Hall, SSc, 2.....	Eugene
Crane, Ariene M., PL, 2.....	Eugene
Crane, Jaqueline, SSc, S.....	Eugene

- Crane, Margaret W., AA, 2.....Wenatchee, Wash.
- Cranston, Earle F., BAD, 4.....Portland
- Crawford, Hadley R., Mus, 2.....Eugene
- Crawford, Thomas H., L, 1.....Los Angeles, Calif.
- Creech, John W., LL, 2.....Salem
- Cross, Warren H., BAD, 4.....Portland
- Crissey, James, Ec, 4.....Gresham
- Crockett, John T., Ed, 4.....Eugene
- Crommelin, Rudolph M., Bi, 3.....Pendleton
- Cross, A. Donald, SSc, 2.....Pendleton
- Cross, Edwin C., BAD, 2.....Salem
- Cross, Thelma D., Mus, 3.....Coburg
- Crowe, William M., Ec, 4.....Dus Palos, Calif.
- Crowell, Isabelle L., Eng, 3.....Portland
- Cruikshank, Edwin T., BAD, 3.....Portland
- Crum, Genevieve L., Mus, 1.....Elgin
- Cuddeback, Sol A., SSc, 2.....Eugene
- Cullers, Peggy, BAD, 1.....Portland
- Culp, L. Clifton, BAD, 3.....Eugene
- Culverwell, Albert II., PL, 1.....Portland
- Cummings, E. Lucile, Mus, 1.....Salem
- Cunningham, Carol A., J, 1.....Portland
- Cunningham, Dorothy A., AA, 2.....Portland
- Cunningham, John A., BAD, 1.....Portland
- Cuppoletti, Bruno, PE, 2.....Virginia, Minn.
- Currie, George W., PL, 2.....Portland
- Currier, John E., SSc, 2.....Portland
- Cusick, Wallace C., BSc, 1.....Albany
- Daggatt, William C., BAD, 1.....Portland
- Dale, Philip A., Bi, 3.....Eugene
- Dallaire, Victor J., J, 1.....Medford
- Dallas, Richard, PL, 1.....Eugene
- Daly, John K., Jr., SSc, 2.....Portland
- Daly, Mary Margaret, Eng, 3.....Portland
- Damitio, Harry A., SSc, 2.....Aberdeen, Wash.
- Damskov, Ruth, AS, 2.....Portland
- Danclson, Edell, LL, 2.....Eugene
- Danes, Gibson A., AA, 2.....Pendleton
- Danford, Evelyn G., AA, 1.....Seattle, Wash.
- Daniels, Norman E., BSc, 1.....La Grande
- Danner, Jack C., BAD, 2.....Eugene
- Dant, Jack R., SSc, 2.....Portland
- Darby, Helen H., Eng, 4.....Salom
- Darling, Charles H., BAD, 1.....Portland
- Darling, Elizabeth, AA, 4.....Vancouver, B. C.
- Darrow, Dorothy E., AA, 2.....Portland
- Darrow, Mabel E., J, 1.....Portland
- Dart, Leonard J., BAD, 2.....Portland
- Dashney, William H., L, 1.....Marshfield
- Davenport, Theodore E., PhS, 1.....Eugene
- David, Ralph R., J, 4.....Eugene
- Davidson, Margaret, BAD, 1.....Oswego
- Davidson, Marguerite V., BAD, 1.....Eugene
- Davidson, Neil O., PL, 1.....Eugene
- Davis, Bill M., PL, 1.....Portland
- Davis, Dorothy F., PhS, 1.....Eugene
- Davis, Eva A., AS, 4.....Portland
- Davis, Fred L., BAD, 2.....Burlingame, Calif.
- Davis, Iris M., Eng, 3.....Eugene
- Davis, Will Charles, BSc, 1.....Portland
- Day, Betty, AA, 2.....St. Helens
- Day, Gordon A., Soc, 3.....Portland
- Day, Mahlon M., PhS, 2.....Portland
- DeArmond, Robert N., J, 1.....Sitka, Alaska
- Deaver, Robert L., AS, 2.....Portland
- Deeds, Floyd Wm., BAD, 2.....Mist
- Dees, Felix Jack, PL, 2.....Portland
- DeGraft, Ernest P., BAD, 2.....Portland
- DeGraft, Robert M., PL, 2.....Portland
- Delanty, Margaret, Eng, 4.....Aberdeen, Wash.
- Demaris, Warren L., Ed, 1.....Prineville
- Deming, Joseph, SSc, 1.....Seattle, Wash.
- Demmer, Juanita L., RL, 4.....Medford
- Demorest, Elaine, Eng, 4.....Medford
- Dennis, Roger T., Ec, 3.....Oakland, Calif.
- Denniston, Mary J., LL, 2.....Eugene
- Depp, Donald S., BSc, 2.....Portland
- Derbyshire, Arthur B., BAD, 2.....North Bend
- Detrick, Helen E., Ed, 4.....Ashland
- Deuel, Fred K., L, 3.....Medford
- Bezendorf, James C., L, 3.....Portland
- Dibble, Dorothy, LL, 1.....Portland
- Dickey, Ruth M., Eng, 4.....Portland
- Dickson, Mildred F., Ed, 4.....Eugene
- Dickson, Russell C., Bi, 4.....Eugene
- Dielschneider, Barbara, LL, 2.....McMinnville
- Dilley, Harold, J, 1.....Goshen
- Dinsmore, James, Bi, 3.....Hillsboro
- Dixon, Mary Louise, LL, 1.....Portland
- Dobbin, William J., SSc, 2.....Union
- Dodds, Dorothy J., SSc, 1.....Oregon City
- Dodds, John E., Ch, 4.....Eugene
- Dodds, Mary Lou, SSc, 2.....Eugene
- Dodge, Clyde, Eng, 3.....Canby
- Dodge, Robert, SSc, 2.....Ashland
- Dodson, Cordelia B., LL, 1.....Miltwaikie
- Doherty, William B., BAD, 1.....Portland
- Dolloff, Charles D., L, 1.....Portland
- Donaldson, Laurance, Hst, 4.....Portland
- Donin, Leonard Isaac, SSc, 2.....Portland
- Donohue, John D., PE, 4.....Eugene
- Doran, David W., PhS, 2.....Eugene
- Dorner, Alma Eloise, J, 3.....Portland
- Dorris, Floyd E., BAD, 2.....Clatskanie
- Douglas, Wallace, PL, 2.....North Bend
- Douthit, William B., BAD, 2.....Garden Home
- Downey, Robert I., BAD, 2.....Portland
- Downs, Alfred M., Bi, 4.....Eugene
- Downs, Lynne O., PL, 3.....Portland
- Dowsett, Robert E., BAD, 2.....Gresham
- Doyle, Anthony J., BAD, 1.....Fresno, Calif.
- Drake, Frances V., LL, 2.....Portland
- Drescher, Dorothy, BAD, 2.....Portland
- Dresser, Donald E., Mus, 1.....Eugene
- Driver, Lucile J., J, 1.....Eugene
- Droste, Frances, LL, 1.....Eugene
- Drury, Barbara, LL, 1.....Medford
- Drury, Laura C., LL, 2.....Medford
- Dudley, Arthur G., BAD, 2.....Sacramento, Calif.
- Duer, Mary Catherine, PE, 4.....Sutherlin
- Duer, Mary Jeannette, LL, 1.....Grants Pass
- Dunbar, Jack W., Eng, 4.....Eugene
- Dunbar, Kathryn, AA, 1.....Portland
- Dunberg, Edna C., a.....Eugene
- Dunham, Helen M., LL, 2.....North Bend
- Duniway, Willis S., J, 4.....Portland
- Dunlap, Leslie W., Eng, 3.....Portland
- Dunlop, Genevieve, J, 3.....Eugene
- Dunne, Margaret M., LL, 1.....Portland
- Dunning, William Sheldon, PL, 2.....Portland
- Dunshee, Hellen Irene, PE, 4.....Portland
- Dunton, Leslie D., SSc, 2.....Portland
- Durgan, Peggy, J, 1.....Eugene
- Dutcher, Leilla, SSc, 2.....Long Beach, Calif.
- Dutton, William J., BAD, 1.....Eugene
- Duzan, Betty, BAD, 1.....Eugene
- Dye, Willoughby G., Jr., SSc, S.....Los Angeles, Calif.
- Dyer, G. Aileen, AS, 2.....Eugene
- Dyment, Lloyd, L, 1.....Tacoma, Wash.
- Eagle, Alex, Jr., SSc, 1.....Eugene
- Early, Roger, J, 1.....Medford
- East, William G., L, 3.....Eugene
- Eastwood, Wanda K., a.....Eugene
- Eberhart Willard D., J, 2.....Eugene
- Eckman, George Richard, J, 3.....Eugene
- Eckman, Robert D., PhS, 2.....Portland
- Economus, George J., BAD, 1.....Portland
- Eddy, Russell T., BAD, 3.....Portland
- Edelson, Zanly C., BSc, 1.....Portland
- Edinger, Mary Louise, LL, 2.....Centralia, Wash.

Edliefsen, Dorothy J., LL, 2.....	Portland
Edliefsen, John N., BAd, 4.....	Portland
Edwards, Alfred Carl, AA, 2.....	Milton-Free-water
Edwards, Charles L. O., L, 1.....	Eugene
Edwards, Harold E., Ed, 3.....	Monmouth
Edwards, Osborne K., BAd, 2.....	Eugene
Edwards, P. J., Jr., SSc, 2.....	Eugene
Egbert, Theron H., AA, 2.....	The Dalles
Eickworth, Merle A., Ed, 3.....	Empire
Eids, Harry E., BAd, 2.....	Astoria
Ekblad, Willis N., BAd, 2.....	Marshfield
Exterovich, George T., PL, 2.....	Portland
Elbow, Gus A., Jr., L, 1.....	San Francisco, Calif.
Elder, M. Irwin, BAd, 2.....	Eugene
Elfridge, Charlotte, SSc, 1.....	Portland
Ellett, Lertis R., Eng, 4.....	Eugene
Elliott, Connie V., SSc, 1.....	Eugene
Elliott, Ivan W., PE, 1.....	McGinn
Elliott, Stanley, BAd, 3.....	Oregon City
Elliott, Sue Mary, LL, 2.....	Eugene
Eljis, Violette, AS, 2.....	Portland
Elison, Bernice M., a.....	Eugene
Elsmora, Gwendolyn C., LL, 2.....	Burns
Ely, Lenore J., 4.....	La Grande
Emmens, Robert C., BSc, 1.....	Medford
Emms, Thomas H., BSc, 2.....	Medford
Emmott, Wayne H., BAd, 4.....	Hillsboro
Emry, Donald W., BAd, 2.....	Hood River
Endicott, Delilah B., Eng, 4.....	Eugene
Endicott, Ellen A., PhS, 2.....	Eugene
Engelbrecht, Katherine, Ed, 2.....	Rainier
England, Murnard F., BSc, 1.....	Creswell
English, Eleanor L., Soc, 4.....	San Diego, Calif.
Enke, June E., LL, 2.....	Portland
Ennes, John W., BSc, 1.....	Portland
Enling, Worth E., BAd, 1.....	La Grande
Epps, David C., L, 2.....	Portland
Erdley, John A., SSc, 2.....	Eugene
Erickson, Alvhild E., Mus, 2.....	Rainier
Ericson, Robert Lee, BAd, 1.....	Hopper, Minn.
Esch, Dorothy M., Hst, 3.....	Tillamook
Esehebeck, Elsie H., Mus, 1.....	Klamath Falls
Espiritu, Vicente A., Ed, 2.....	Eugene
Espy, Cecil J., AA, 3.....	Woodburn
Eulberg, Olga M., PE, 5.....	Portland
Eva, Donald K., L, 1.....	Portland
Evans, Anna V., Bi, 4.....	Chiloquin
Evans, Don H., PhS, 1.....	Chiloquin
Evans, Fannie G., AA, 4.....	Eugene
Evans, Helen H., J, 4.....	Eugene
Evans, Walter H., Jr., Ec, 4.....	Portland
Evaision, Betty, Mus, 3.....	Medford
Everson, Francis G., BAd, 3.....	Creswell
Eward, Mervyn, PL, 2.....	Portland
Ewing, Paul F., J, 2.....	John Day
Eyre, David W., J, 2.....	Salem
Fagan, Robert L., SSc, 1.....	Portland
Fallins, Jean, SSc, 2.....	Portland
Falls, Jane, BAd, 2.....	Portland
Farrar, John E., BAd, 2.....	Tustin, Calif.
Farris, Grace M., Eng, 3.....	Eugene
Faulkner, A. Beatrice, LL, 2.....	Eugene
Faunce, Bernard L., BAd, 1.....	Eugene
Faust, Lloyd M., BAd, 1.....	Eugene
Faust, Rex, BSc, 2.....	Eugene
Favier, Parker, BAd, 3.....	Alameda, Calif.
Fay, Geraldine E., J, 2.....	Portland
Fay, Ruth Edna, Ed, 1.....	Portland
Fedor, Anne C., Eng, 3.....	Eugene
Fellows, Freda R., Ed, 3.....	Eugene
Feltes, Kathryn J., BAd, 2.....	Portland
Felt, Wayne M., PhS, 2.....	Portland
Fendrich, Lewis, PhS, 2.....	Eugene
Fenton, Mary Katherine, Eng, 4.....	Portland
Fenwick, Edwin T., BAd, 1.....	Milwaukie
Ferguson, James R., BAd, 2.....	Pendleton
Ferguson, Kenneth R., Ed, 3.....	Portland
Ferguson, Robert L., BAd, 1.....	Tillamook
Ferguson, William V., BAd, 2.....	Marshfield
Ferris, Hallie Marie, AS, 4.....	Portland
Ferris, Helen V., Mus, 1.....	Long Beach, Calif.
Ferris, Mary Helene, Mus, 1.....	Portland
Field, Glenn E., BAd, 2.....	Eugene
Field, Harvey C., SSc, 2.....	Eugene
Field, John E., BSc, 2.....	Sheridan
Field, Raymond, BAd, 4.....	Eugene
Fields, Donald M., J, 1.....	Eugene
Fields, Hazel, BAd, 2.....	Eugene
Fields, Philip Lewis, BAd, 2.....	Portland
Finley, Bernice N., Mus, 4.....	Springfield
Finley, John T., Mus, 2.....	Portland
Firebaugh, Catherine, Mus, 1.....	Oakland, Calif.
Fischer, Dale D., BAd, 1.....	Marcota
Fischer, Laurence E., RL, 3.....	Portland
Fisher, Edward W., L, 3.....	Salem
Fisher, Gordon, AA, 2.....	Eugene
Fishwood, Rollin W., PE, 1.....	Creswell
Fitch, Elinor, LL, 2.....	Eugene
Fitch, Janet, RL, 3.....	Eugene
Flagg, William W., PL, 1.....	Portland
Flagg, Alma, Mus, 4.....	New Leipzig, N. D.
Fletcher, Aubrey L., Ed, 4.....	Eugene
Fletcher, Ferdinand T., Hst, 3.....	San Diego, Calif.
Floyd, Lois, LL, 2.....	Portland
Fluke, Marion, Mus, 4.....	Independence
Foley, Mary Ellen, Phl, 4.....	Bend
Foley, Robert H., PL, 2.....	Bend
Foley, William T., BAd, 4.....	Portland
Folsom, Dorothy M., AS, 1.....	Pilot Rock
Foltz, Donald E., SSc, 2.....	Eugene
Foot, Dorothy B., Soc, 3.....	Eugene
Force, Raymond, PhS, 2.....	Piedmont, Calif.
Forcier, Theodore, Ed, 2.....	Eugene
Forestel, Nancy M., Eng, 4.....	Portland
Forrest, Rosina, AS, 2.....	Bend
Forsts, Eric J., Ec, 4.....	Astoria
Forstrom, Kelsey L., PhS, 1.....	Eugene
Forsyth, Carol L., Hst, 4.....	Long Beach, Calif.
Fortner, Laurence W., PL, 1.....	Gresham
Foss, Dorothy A., LL, 2.....	Moro
Foss, Ray E., BAd, 3.....	Cushman
Fossum, Embert A., J, 3.....	Klamath Falls
Foster, Charlie Wm., BAd, 4.....	Portland
Foster, Gladys, Mus, 4.....	Portland
Foster, Mildred C., J, 1.....	Cloverdale
Powder, Fred A., BAd, 1.....	Portland
Fox, Paul I., PL, 1.....	Portland
Fracone, Flora R., RL, 3.....	Nampa, Idaho
Franklin, L. Love, a.....	Eugene
Franz, Joseph E., BAd, 1.....	Portland
Franz, Virginia, Eng, 4.....	Springfield
Franzen, Bernadine E., J, 2.....	Oregon City
Frazier, Cecile M., AA, 2.....	Portland
Frazier, Frances E., LL, 2.....	Portland
Frazier, Jean, LL, 1.....	Pendleton
Frazier, Laurence E., Ch, 4.....	Portland
Frazier, Ruth L., Ed, 3.....	Portland
Freer, Herbert B., BAd, 1.....	Portland
Freerksen, Oren, Ed, 2.....	Albany
French, R. Rockwell, BAd, 3.....	Eugene
Frey, John Austin, Ec, 3.....	Eugene
Frey, Margaret L., LL, 2.....	Portland
Fricke, Fred E., J, 4.....	Rupert, Idaho
Friedrich, Anna-Marie, PhS, 3.....	Astoria
Fries, Hilda A., BAd, 2.....	Portland
Frisbie, Duane C., BAd, 2.....	Baker
Frisch, Jack O., BAd, 2.....	Olympia, Wash.
Fritz, Ordway, BAd, 1.....	Eugene
Frohmayer, Otto J., L, 2.....	Portland
Frye, Gardner G., SSc, 1.....	Eugene
Funk, Walter, Hst, 4.....	Portland
Furrer, Gabriel R., BSc, 1.....	Portland

Fury, Robert C., PE, 2.....	Eugene	Goold, Rolla S., BSc, 1.....	Eugene
Fuson, Clara Mary, LL, 1.....	Medford	Gopierud, Inga M., Eng, 4.....	Silverton
Gadwa, Manch, PL, 2.....	Pendleton	Gopierud, John C., BAd, 4.....	Silverton
Gage, Margaret E., Mus, 4.....	Eugene	Gordinier, Helen, LL, 1.....	Eugene
Gagnon, Roy, SSc, 1.....	Eugene	Gordinier, Lloyd E., PL, 2.....	Eugene
Gale, L. Thornton, J, 4.....	Bandon	Gore, Beulah L., Mus, 3.....	Medford
Galey, Mary M., BAd, 4.....	Ashland	Correll, Ruth Ardis, BAd, 2.....	Eugene
Gamer, Robert L., PL, 3.....	Salem	Gorrill, Betty, J, 1.....	Oakland, Calif.
Ganiere, Ruth, AS, 2.....	Portland	Gough, Ruth E., AS, 4.....	Portland
Gantenbein, Robert L., BAd, 2.....	Portland	Could, Edna Mac, AS, 2.....	Portland
Garbarino, Ernest N., BAd, 1.....	Salem	Could, John H., BAd, 3.....	Pasadena, Calif.
Gardiner, Alice, LL, S.....	Eugene	Goulet, Homer, BAd, 2.....	Salem
Gardiner, Lewis T., BAd, 1.....	Oakland, Calif.	Grady, Jean L., BAd, 3.....	Portland
Garman, David T., BAd, 2.....	Portland	Graeper, William, BAd, 4.....	Portland
Garnett, Cliff, SSc, 2.....	Medford	Graham, Edwin L., L, 2.....	Forest Grove
Garrett, Orville, BAd, 4.....	Grants Pass	Graham, Helen-Jean, SSc, 2.....	Sherwood
Garrett, Paul, PE, 1.....	Oakland, Calif.	Gram, F. Warren, SSc, 1.....	Portland
Garrison, Floye J., Mus, 3.....	Drain	Granger, Jack H., SSc, 1.....	Ontario, Calif.
Garrison, Helen R., LL, 1.....	Eugene	Grant, Marjorie M., Ed, 3.....	Springfield
Garrison, Mary E., Soc, 3.....	Eugene	Graves, Alberta, Eng, 4.....	Lawen
Gaunt, Ruth, J, 2.....	Eugene	Gray, Bertha, SSc, 1.....	Vernonia
Gauntlett, Theresa G., LL, 2.....	Aberdeen, Wash.	Gray, Eva R., BAd, 1.....	Eugene
Gaylord, Myra-Helen, Mus, 1.....	Portland	Gray, Gerald, PL, 2.....	Prineville
Geahart, Jean, LL, 1.....	Astoria	Gray, Robert, PL, 1.....	Prineville
Geahart, William W., LL, 1.....	Portland	Gray, Walter J., BAd, 1.....	Seaside
Geary, Martin B., Bi, 4.....	Beverly Hills, Calif.	Green, Edward J., AA, 4.....	Portland
Geddes, Margaret K., SSc, 1.....	Baker	Green, Howard E., J, 3.....	Portland
Gee, Leighton K., BAd, 2.....	Eugene	Green, Sterling F., J, 2.....	Portland
Gear, Horace G., L, 2.....	Tacoma, Wash.	Green, Walter Ray, PL, 1.....	Portland
Geiser, Patricia, LL, 1.....	Portland	Greene, Edith T., Bi, 3.....	Portland
Geist, Richard N., BSc, 2.....	Pendleton	Greene, John W., Ec, 3.....	Medford
Gemlo, James A., SSc, 1.....	Eugene	Greene, Lloyd M., SSc, 1.....	Philomath
George, Pauling F., J, 1.....	Eugene	Greens, William G., BAd, 1.....	Eugene
George, Ruby F., Mus, 4.....	Eugene	Greenman, Everett Hale, PL, 2.....	Vernonia
George, William Lee, BAd, 1.....	Eugene	Greenman, Phoebe, BAd, 2.....	Vernonia
Gerlinger, Carl A., BAd, 4.....	Dallas	Greenman, Robert F., Jr., BSc, 1.....	Philippine Islands
Gerrot, B. Alice, LL, 1.....	Eugene	Greenough, PL, 1.....	Coquille
Gerrits, Joanna, LL, 2.....	Portland	Greenwood, Lois Jean, BAd, 2.....	Eugene
Ghormley, James C., BSc, 2.....	Portland	Greer, Arden L., PL, 1.....	Eugene
Gibbs, Lydia Ann, Eng, 3.....	Eugene	Gregg, John N., BAd, 4.....	Portland
Gierhart, Ruel D., PhS, 1.....	Eugene	Gregor, Clifford S., J, 3.....	Creswell
Giesecke, Theodor, BAd, 2.....	Portland	Gregory, Gladys E., PE, 4.....	Portland
Gieseke, L. Frederick, BAd, 1.....	Eugene	Gregory, John G., BSc, 1.....	Wallowa
Giesy, Lotus C., Hst, 4.....	Aurora	Gregory, Sherrill L., BAd, 2.....	Westport
Gilbert, E. Madeleine, SSc, 2.....	Eugene	Crelle, James H., Bi, 4.....	Portland
Gilbert, Katharine I., SSc, 1.....	Portland	Gresham, Crystal, Hst, 3.....	Nehalem
Gildez, Georgina W., Mus, 3.....	Portland	Greve, Lenore I., J, 3.....	Portland
Glie, Robert C., Ec, 4.....	Roseburg	Gribble, John F., Mus, 2.....	Eugene
Glies, Doris E., LL, 1.....	Portland	Griffin, Louise, PhS, 1.....	Eugene
Gill, Warren C., BSc, 2.....	Lebanon	Griffin, Myron, J, 4.....	Portland
Gillespie, Charles F., BAd, 3.....	Portland	Griffin, Ruth, Mus, 4.....	Portland
Gillespie, Gladys M., PhS, 2.....	Eugene	Grim, M. Edith, Mus, 3.....	Halfway
Gilman, David, BAd, 4.....	Ontario, Calif.	Griswold, Alice R., BAd, 3.....	Eugene
Gilman, Eldon E., BSc, 1.....	Coquille	Griswold, Delia Ruth, Mus, 1.....	Eugene
Gilmore, Wesley H., AA, 4.....	Eugene	Grogan, Gertrude, LL, 1.....	Eugene
Gilstrap, Elizabeth F., Eng, 3.....	Eugene	Grono, Virginia, PE, 4.....	Portland
Gilstrap, Ernestine, LL, 2.....	Eugene	Gross, Carl Henry, Ed, 3.....	Salem
Gimes, George C., BAd, 3.....	Eugene	Gross, John J., LL, 2.....	Corvallis
Givens, Richard M., RL, 4.....	Portland	Gross, Roma Maxine, Mus, 4.....	Eugene
Glad, Fred A., BAd, 1.....	Eugene	Groves, Floyd C., PL, 2.....	Roseburg
Glaissyer, Rotand A., BSc, 1.....	Coquille	Guild, Robert, J, 2.....	Portland
Glassman, Milo G., BSc, 2.....	Eugene	Guiss, Jack M., BSc, 1.....	Woodburn
Godfrey, Glen, L, 1.....	Myrtle Creek	Guiss, Warner Lewis, Bi, 3.....	Woodburn
Goebel, Richard, BAd, 1.....	Portland	Gullion, Elenore, LL, 1.....	Eugene
Goertling, Charles F., BAd, 2.....	Eugene	Gullion, Mary Elizabeth, SSc, 2.....	Eugene
Goff, Dorothy D., PE, 3.....	Medford	Gullion, Mrs. Omar, a.....	Eugene
Goldberg, David A., PL, 1.....	Portland	Gummess, Glen H., BSc, 1.....	Los Angeles, Calif.
Goldschmidt, Lester H., BAd, 1.....	Portland	Gundran, Daniel M., SSc, 2.....	Eugene
Goldsmith, Laura O., LL, 1.....	Klamath Falls	Gunther, Preston W., L, 2.....	Portland
Good, Gaile H., Ed, 3.....	Eugene	Guske, Richard, a.....	Eugene
Goodall, Donald, SSc, 2.....	Eugene	Guthrie, Henry C., PL, 1.....	Eugene
Goodman, Elizabeth, LL, 1.....	Portland	Haas, Jane, LL, 1.....	Portland
Goodnough, Edgar, J, 3.....	Eugene	Haberlach, Carolyn, Mus, 4.....	Tillamook
Goodpasture, Kathryn, Mus, 2.....	Leaburg	Haberlach, Dorothy, LL, 2.....	Tillamook
Goodrich, Martha, SSc, 2.....	Eugene	Haberlach, Frances, AA, 4.....	Clackamas
Goodsell, Geraldine, Soc, 4.....	Portland	Haberlach, Stanley W., BAd, 2.....	Clackamas
Goodwin, William N., L, 1.....	Eugene	Hadley, Mary, LL, 1.....	Springfield

Iagerman, Winifred, AA, 1.....Dexter
 Bagood, Laura M., AA, 3.....Portland
 Hahn, Caroline, J, 2.....Multnomah
 Hahner, Elizabeth, PE, 3.....Lakeview
 Haimovich, Michael N., AA, 2.....Eugene
 Hakanson, Alton L., PE, 2.....Bend
 Halbert, Howard, Mus, 4.....Corvallis
 Halderman, Marjorie, Eng, 3.....Astoria
 Hall, Charles C., L, 1.....Albany
 Hall, Cynthia A., LL, 2.....Oswego
 Hall, Donald W., BAD, 1.....Eugene
 Hall, Dorothy A., BAD, 3.....Portland
 Hall, Howard A., a.....Eugene
 Hall, John R., PL, 2.....Portland
 Hall, Marian H., a.....Eugene
 Hall, Marion E., PE, 4.....Helix
 Hall, Robert M., BAD, 3.....Eugene
 Hall, Thomas C., PhS, 1.....Eugene
 Hallin, Dorothy, Soc, 4.....Eugene
 Hallowell, Helen S., LL, 2.....Susanville, Calif.
 Hamsker, Kenton D., AA, 4.....Klamath Falls
 Hamby, David B., J, 2.....Portland
 Hamilton, Gay E., J, 2.....Portland
 Hamilton, John Dawson, PE, 2.....Tigard
 Hamilton, Norval Eimer, PhS, 2.....Klamath Falls
 Hamilton, T. Blakeley, BAD, 2.....Craig, Colo.
 Hamilton, Velma J., J, 2.....Myrtle Point
 Hamlin, Clare Kermit, AA, 4.....Eugene
 Hammerbacher, Margaret Karline, Ed, 4.....Grants Pass
 Hammond, Leon E., L, 2.....Eugene
 Hammond, Philip Kemp, L, 1.....Gladstone
 Hammond, Robert R., L, 2.....Medford
 Hammond, William H., PL, 1.....Fort Missoula, Mont.
 Hancock, Virginia, Lat, 3.....Riverside, Calif.
 Hango, Lindy Loretta, Mus, 2.....Boardman
 Hanks, Wallace H., SSc, 1.....Craig, Mo.
 Hanna, Madge, Eng, 4.....Colton, Calif.
 Hansen, Barbara G., SSc, 1.....Eugene
 Hansen, Henriette Marie, Ed, 4.....Eugene
 Hanson, Marvin Theodore, PE, 1.....Eugene
 Harcombe, Betty, Eng, 3.....Eugene
 Harding, Edwin, PE, 2.....McCredie Springs
 Hardison, Marygolde Millicent, J, 1.....Portland
 Hardman, Eliza, BAD, 1.....Eugene
 Hardman, Ray, Mus, 4.....Eugene
 Hardy, Grahame H., SSc, 2.....Piedmont, Calif.
 Hardy, Robert Strong, Hst, 4.....Grangeville, Idaho
 Hare, John, PL, 2.....Hillsboro
 Harlow, Hal B., SSc, 2.....Ontario, Calif.
 Harper, Erwin Earl, L, 2.....Lakeview
 Harper, Jessie Audrey, Ed, 1.....Junction City
 Harriman, Helen May, BS, 1.....Prineville
 Harrington, George Lewis, Hst, 4.....Eugene
 Harris, Edward M., BAD, 1.....Portland
 Harris, Quinton Parker, Geo, 4.....Hobart Mills, Calif.
 Harrison, D. Clifford, BAD, 2.....Coberg
 Harrison, Merle Edwin, BAD, 2.....Portland
 Harrow, Frank L., PE, 4.....Lakeview
 Hart, Laura, LL, 2.....Tacoma, Wash.
 Hart, Robert N., BAD, 1.....San Francisco, Calif.
 Harthel, Thomas Carl, PL, 2.....Roseburg
 Hartie, Virginia Dorothy, LL, 2.....Portland
 Hartley, James Allen, PhS, 2.....Eugene
 Hartley, Willetta, J, 4.....Eugene
 Hartmus, Ty Smith, LL, 2.....Eugene
 Harvey, Alice Standish, Eng, 3.....Klamath Falls
 Harvey, Isabel Drake, LL, 1.....Oakland
 Haslinger, Joe E., Bi, 4.....Hood River
 Hass, Marjorie E., Eng, 3.....Tacoma, Wash.
 Hathaway, Blanche A., LL, 2.....Eugene

Haugen, Dagmar Marguerite, BSc, 1.....Eugene
 Haughawont, Mildred Elizabeth, AS, 3.....Billings, Mont.
 Havemann, Elma Doris, RL, 3.....Eugene
 Havemann, Elma Thomson, J, S.....Eugene
 Haviland, John Freeman, BAD, 1.....Portland
 Hawkins, Marvin, Mus, 4.....Coquille
 Hawthorne, Thomas, J, 1.....Sacramento, Calif.
 Hay, Mary Evelyn, Eng, 4.....Philomath
 Hayden, Esther, J, 3.....Toledo
 Hayden, Gwendolyn Lampshire, a.....Eugene
 Hayes, Mary, LL, 2.....Medford
 Hayes, Thekla Beatrice, PhS, 1.....Eugene
 Hayter, Philip, BAD, 1.....Dallas
 Hayer, Robert, Bi, 3.....Dallas
 Heath, Brian, J, 2.....San Diego, Calif.
 Hector, Ralph Dean, BAD, 1.....Eugene
 Hedges, Janice Mary, BAD, 4.....Oregon City
 Hegberg, Raymond G., BAD, 1.....Eugene
 Hegdath, Rudie, PE, 2.....North Bend
 Heidel, Carl, AA, 1.....Eugene
 Heilbron, Charlotte, BAD, 3.....San Diego, Calif.
 Heister, Donald, BAD, 2.....Dufur
 Heister, Robert W., PL, 1.....Dufur
 Helfrich, Frances Gridley, AA, 1.....Portland
 Hellberg, Frederick Adolph, PL, 3.....Astoria
 Helser, Margaret, Eng, 4.....Portland
 Heltzel, James Taylor, PL, 2.....Salem
 Heltzel, Margaret, Mus, 2.....Salem
 Helzer, Minnie, Ed, 3.....Portland
 Hempstead, Walter, Jr., J, 1.....Portland
 Hendershot, Hermann, PL, 1.....Eugene
 Henderson, James Francis, BAD, 3.....Portland
 Henderson, Marian, SSc, 2.....Hermiston
 Henderson, Miriam, AA, 1.....Oregon City
 Hendrickson, Raymond Carl, PE, 1.....Eugene
 Hendrix, Shirley Helen, J, 1.....Medford
 Hendryx, Mamie, AS, 4.....Medford
 Heno, Eva Marie, LL, 1.....Molalla
 Henry, David H., J, 1.....Eugene
 Henry, Edinor Edith, J, 2.....Eugene
 Henry, Richard, BAD, 3.....Berkeley, Calif.
 Henson, Gerald, BAD, 2.....Eugene
 Heral, Minnie Belle, Psy, 3.....Spokane Wash.
 Herman, Alma Lucile, LL, 1.....Oregon City
 Herman, Mardell, Ed, 4.....Harrisburg
 Herndon, Roy L., L, 3.....Freewater
 Herold, Bertha Rose, LL, 2.....Clarks Fork, Idaho
 Herrington, Mildred Inez, SSc, 2.....Portland
 Hertzler, Evelyn, LL, 2.....The Dalles
 Herzog, Glory, SSc, 2.....Hollywood, Calif.
 Hesler, Alice, Psy, 4.....Eugene
 Hess, Robert Hanley, PL, 2.....Eugene
 Hessemer, Carolyn May, LL, 2.....Portland
 Hewitt, Leva, AS, S.....Portland
 Heyden, Henry M., Ec, 4.....Echo
 Heyden, John F., BAD, 1.....Pendleton
 Hibbard, George L., PL, 2.....Portland
 Hibbert, Elizabeth M., BAD, 4.....Dayton
 Hibbs, Rexford F., L, 1.....Eugene
 Hicks, Edward M., AA, 3.....Portland
 Hickson, Eileen, PhS, 2.....Portland
 Hickson, Geraldine, LL, 2.....Portland
 Hieber, Glen, PL, 2.....Vernonia
 Higbee, Florence E., LL, 1.....Tacoma, Wash.
 Higby, Betty M., LL, 1.....Portland
 Higgins, Elizabeth, Eng, 3.....Eugene
 Hien, Virginia M., Mus, 2.....Portland
 Hill, Francis, L, 2.....Portland
 Hill, Helen M., Mus, 1.....Astoria
 Hill, Irvin B., BS, 2.....Cushman
 Hill, Jean E., Ed, 4.....Newberg
 Hill, Margaret Ellen, Mus, 1.....Eugene
 Hill, Verol Boyd, SSc, 2.....Eugene

- Hill, William Desmond, J, 3.....Santa Barbara, Calif.
- Hilles, Richard P., J, 1.....Grants Pass
- Hillis, Robert P., J, 4.....Eugene
- Hillman, Fred R., AA, 2.....Eugene
- Himmelstein, Rose B., J, S.....Portland
- Hindmarsh, Dorothy L., 2.....Portland
- Hine, John G., BAd, 1.....Portland
- Hing, Ruth, PE, 2.....Aurora
- Hinshaw, Alice L., AA, 3.....Eugene
- Hirao, Kazumi, BAd, 2.....Oakland, Calif.
- Hitchcock, G. Parks, J, 1.....Eugene
- Hitchman, Adele, J, 3.....Portland
- Hoag, Charles M., BSc, 2.....Hillsboro
- Hobart, Hildamay, LL, 1.....Pendleton
- Hodgin, Louise, a, 1.....Newberg
- Holer, Robert D., PL, 1.....Portland
- Hoffine, Fred G., BAd, 1.....Los Angeles, Calif.
- Hoffman, Sidney D., BAd, 4.....Eugene
- Hoffstaed, Frederick J., BAd, 1.....Eugene
- Hofmann, Herra, J, 3.....Portland
- Hotsetter, Dessa, LL, 2.....Eugene
- Hogl, John M., PhS, 1.....Portland
- Hohman, Dorothy L., PhS, 1.....Cottage Grove
- Hohman, Ruth C., SSc, 1.....Cottage Grove
- Hobbrook, Harriet, RL, 3.....Portland
- Holden, Jeane E., BAd, 1.....Eugene
- Holden, La Vant H., PE, 1.....Tillamook
- Holland, Hugh, Ed, 4.....Eugene
- Holland, Osborne, Ec, 4.....Eugene
- Hollen, Carroll L., BAd, 2.....Condon
- Hollenbeck, Lester W., BSc, 1.....Portland
- Hollingsworth, Caryl, PE, 4.....Eugene
- Holloway, Charles, J, 1.....Portland
- Holloway, Florence, Eng, 4.....Eugene
- Holman, Arthur J., AA, 2.....Eugene
- Holmbach, Alice M., Mus, 4.....Medford
- Holmes, Harold, BAd, 1.....Portland
- Holmes, Robert D., Hst, 4.....Portland
- Holmes, William R., PL, 1.....Eugene
- Holmquist, Howard, AA, 1.....Eugene
- Holmquist, Robert, Ph, 4.....Eugene
- Holsman, Allen H., BAd, 4.....Portland
- Holt, Olive Jane, BSc, 2.....Portland
- Holt, Ruth A., Ed, 4.....Eugene
- Holt, Stella F., LL, 1.....Woodland, Calif.
- Hondius, Jenny, Hst, 4.....Hollywood, Calif.
- Hoover, Ruth E., Mus, 3.....Roseburg
- Hopkins, Hester, Eng, 3.....La Grande
- Hopkins, Howard H., LL, 1.....Fresno, Calif.
- Horner, Clifford L., PE, 4.....Eugene
- Horner, Levitt D., Ed, 4.....Eugene
- Hornung, Mary E., SSc, 1.....Honolulu, T. H.
- Horton, Kathleen, PE, 2.....Eugene
- Horton, Virginia, AA, 1.....Baker
- Hoselton, Cleo, Ed, 3.....Eugene
- Houghton, La Grande, BAd, 2.....Eugene
- Houghlum, Roger J., Ec, 4.....Eugene
- Hoven, Ard E., SSc, 2.....Eugene
- Howard, Dunham G., SSc, 1.....Garden Home
- Howard, E. Virginia, J, 1.....Portland
- Howe, Lois M., SSc, 1.....Eugene
- Howe, Lucy, LL, 2.....Eugene
- Howell, Paul W., PhS, 2.....Troutdale
- Howell, Quincy, BAd, 4.....Troutdale
- Howland, Margaret Ann, LL, 1.....Portland
- Hoyt, K. Marjorie, Mus, 1.....Long Beach, Calif.
- Hubbs, Ruth M., LL, 1.....Silverton
- Hudson, Betty Lou, LL, 2.....Portland
- Hudson, Harlow E., AA, 4.....Eugene
- Huffman, Dorr E., AA, 3.....Eugene
- Hug, Wallace G., SSc, 2.....Salem
- Huggins, Dorothy, PE, 1.....Hood River
- Hughes, Bernard, SSc, 2.....Medford
- Hughes, Evan E., BAd, 4.....Springfield
- Hughes, Howard II., BSc, 2.....Portland
- Hughes, James O., Ec, 4.....Astoria
- Hughes, Kathleen M., Mus, 3.....Oakland, Calif.
- Hughes, Paul O., PE, 3.....Hood River
- Hughes, Ralph L., BAd, 2.....Springfield
- Humphrey, Frances, AA, 4.....Portland
- Humphreys, Lloyd G., BAd, 1.....Eugene
- Humphreys, Richard H., BSc, 2.....Portland
- Hunt, Lois Margaret, BAd, 1.....Eugene
- Hunt, Margaret D., Eng, 3.....Burlingame, Calif.
- Hunter, Robert C., PL, 3.....Portland
- Huntley, Alison, LL, 2.....Portland
- Hurlburt, Carol B., J, 4.....Hood River
- Hurlburt, L. Delpha, Eng, 4.....Portland
- Hurler, George D., BAd, 1.....Eugene
- Hurley, Susan E., J, 2.....Eugene
- Hurst, Beth A., LL, 2.....Spokane, Wash.
- Hussey, Richard T., SSc, 1.....Halsey
- Huston, Karl T., J, 1.....Albany
- Huston, Norma, BAd, 3.....Eugene
- Huston, Zelpa E., PE, 1.....Nott
- Hutchinson, Ardath, BAd, 2.....Eugene
- Hutchinson, Helen D., AA, 4.....Eugene
- Hyde, Emery E., BAd, 1.....Eugene
- Hypes, Gordon L., LL, S.....Eugene
- Hildge, Dorothy, AA, 2.....Glendale
- Imbach, Gene Robert, PE, 1.....Van Nuys, Calif.
- Inamine, Soioi, Bi, 4.....Eugene
- Ingalls, Bernice E., BAd, 1.....Eugene
- Ingram, Stanley A., J, 2.....Haines
- Inman, Carl C., PE, 1.....Eugene
- Innan, Cecil E., SSc, 1.....Eugene
- Ireland, Arthur P., L, 1.....Portland
- Irvin, Leslie S., Mus, 1.....Portland
- Irvin, Ruth A., PE, 2.....Redmond
- Isaacs, Dick C., PL, 2.....Medford
- Isminger, Bertrand D., L, 2.....Helix Wash.
- Iseminger, M. Grace, SSc, 2.....Eugene
- Ison, Gene Virgil, Bi, 3.....Baker
- Isotoff, Andrei L., Eng, 4.....Eugene
- Jack, Dorothy, SSc, 2.....Pendleton
- Jack, Kathleen II., AA, 2.....Rock Springs, Wyo.
- Jackson, Alberta C., AS, 4.....Stevenson, Wash.
- Jackson, Fdythe L., AA, 2.....Portland
- Jackson, Laurence H., BAd, 3.....Portland
- Jackson, William F., Ed, 2.....Eugene
- Jacob, Bonifacio, BAd, 2.....Portland
- Jacobe, William A., BAd, S.....Lakeview
- Jacobs, Charles Jay, Jr., BSc, 2.....Portland
- Jacobs, Lester, BAd, 1.....Eugene
- Jacobsen, Josephine, BAd, 4.....Eugene
- Jacobson, Wilma, Ed, 4.....Eugene
- James, Earlene A., LL, 1.....Eugene
- James, Ethel A., BAd, 1.....Oswego
- James, LeRoy, PL, 2.....Oregon City
- Jamie, Margaret S., AA, 1.....Kukaiau, T. H.
- Jamison, Chester J., BAd, 4.....Eugene
- Jamison, Wayne, BAd, 1.....Eugene
- Jantzen, Oncita, Eng, 4.....Portland
- Jayne, Henry, PL, 1.....Portland
- Jaynes, Lois, LL, 2.....Eugene
- Jeffers, John II., BAd, 2.....Astoria
- Jeffreys, Fern L., BSc, J.....Lewiston, Idaho
- Jenkins, Elaine, a.....Eugene
- Jenkins, Isabelle H., PE, 2.....Honolulu, T. H.
- Jenning, Barbara, J, 2.....Portland
- Jensen, Willard E., BAd, 1.....Freewater
- Jette, George S., SSc, 1.....Portland
- Jette, Kenneth R., Hst, 4.....Portland
- Jewett, Eleanor L., LL, 2.....Berkeley, Calif.
- Jewett, Wilson H., Jr., BAd, 4.....Eugene
- Johns, Frances Mary, Ed, 3.....Bellingham, Wash.
- Johns, Thomas S., Ec, 4.....Pendleton

Johnson, Blanche, BAd, 1.....	Eugene	Kennedy, Evelyn C., BAd, 2.....	Marshfield
Johnson, Charles X., BSc, 2.....	Marshfield	Kennedy, James C., BSc, 3.....	Multnomah
Johnson, Elizabeth Ann, Eng, 4.....	Portland	Kent, Mary Louise, Mus, 4.....	Eugene
Johnson, Ellsworth E., BAd, 2.....	Burlingame, Calif.	Kerby, Forrest E., SSc, 1.....	Mapleton
Johnson, Hilda, AS, 4.....	Portland	Kerley, Rova M., RL, 3.....	Eugene
Johnson, Ingrid J., SSc, 1.....	Eugene	Kern, Robert W., Bi, 4.....	Portland
Johnson, Lois L., Mus, 4.....	Athens	Kernan, William N., BSc, 1.....	Eugene
Johnson, Luther B., BAd, 2.....	Portland	Kerns, Margaret O., Soc, 4.....	Eugene
Johnson, Marcella, Ed, 2.....	Pendleton	Kerns, Myrtle G., J, 2.....	Klamath Falls
Johnson, Millard F., PE, 2.....	Modoc Point	Kerr, Frederic D., BAd, 4.....	Eugene
Johnson, Myron T., PhS, 2.....	Milton	Kerry, Almona, RL, 4.....	Taft
Johnson, Oma Juanita, Mus, 3.....	Eugene	Kessler, Max, Bi, 3.....	Portland
Johnson, Philip Halley, AA, 3.....	Monmouth	Keyser, Joseph E., AA, 4.....	Portland
Johnson, Robert F., BAd, 2.....	Portland	Kibbee, Virginia, LL, 1.....	Portland
Johnson, Robert N., J, 3.....	Tillamook	Kidder, Stanley, Bi, 3.....	Roseburg
Johnson, Sture A. M., BSc, 2.....	Eugene	Kiddle, Evangeline, SSc, 1.....	Eugene
Johnson, Thomas F., PE, 4.....	Hood River	Kiel, Villard H., BSc, 2.....	Portland
Johnson, Vivian H., BAd, 1.....	Portland	Kienzle, Aleta J., PhS, 2.....	Eugene
Johnson, Walter L., PhS, 1.....	Portland	Kilpatrick, Roy, PL, 2.....	Eugene
Johnson, William, BAd, 1.....	Portland	Kimball, Rufus H., J, 3.....	Palo Alto, Calif.
Johnston, Frances R., LL, 2.....	Eugene	Kimberling, Delbert O., BAd, 4.....	Prairie City
Johnston, J. Wilson, BAd, 2.....	Portland	Kimberling, Evelyn H., BAd, 3.....	Prairie City
Jones, Arthur D., BAd, 3.....	Eugene	Kincaid, Harrison, L, 1.....	Portland
Jones, Axton T., PL, 2.....	San Francisco, Calif.	King, Charles G., Ed, 2.....	Eugene
Jones, Charles L., Hst, 4.....	Portland	King, Florence, Ec, 4.....	Portland
Jones, Curtis C., BAd, 2.....	Jordan Valley	King, John H., BAd, 3.....	West Linn
Jones, D. Leonard, BAd, 1.....	Paisley	King, John Henry, FC, 3.....	Freewater
Jones, Everett E., PhS, 1.....	Jordan Valley	King, Kathryn E., LL, 2.....	Tacoma, Wash.
Jones, Harvey L., BSc, 1.....	Eugene	King, Sibly Lou, LL, 1.....	Portland
Jones, Helen A., LL, 2.....	Klamath Falls	Kinley, William L., L, 1.....	Portland
Jones, Herbert B., BAd, 2.....	Salem	Kinney, Edward R., BAd, 2.....	Portland
Jones, Marian E., BAd, 4.....	Portland	Kinney, Maurice B., Bi, 4.....	Forest Grove
Jones, Thomas S., BAd, 1.....	Portland	Kinzel, Gerald E., Bi, 3.....	Portland
Jones, Tove J., BAd, 4.....	Portland	Kinzell, Harold J., L, 2.....	Portland
Jordan, Baun, BAd, 4.....	Sacramento, Calif.	Kirby, Edwin, Bi, 3.....	La Grande
Jordan, Frances Mary, Mus, 4.....	Portland	Kirk, Weldon H., J, 4.....	Portland
Jorgensen, Polly Ann, LL, 1.....	Portland	Kissling, Mary Mildred, LL, 1.....	Gaibaldi
Jorgensen, Victor H., BAd, 1.....	Portland	Kistner, Anne, Eng, 3.....	Portland
Judkins, E. Iiale, PhS, 2.....	Eugene	Kistner, Frank B., BSc, 2.....	Portland
Jullum, Sara, Ed, 4.....	Portland	Kistner, Meta F., LL, 2.....	Portland
Kaffstedter, Max, BSc, 2.....	Portland	Kitcoe, Kirby, L, 3.....	Portland
Kafour, David, BSc, 2.....	Portland	Kjosness, Ingram, LL, 2.....	Eugene
Kahn, Stephen B., J, 2.....	Portland	Klein, Stanley S., PL, 1.....	Portland
Kalhoefler, Fred H., PE, 1.....	Medford	Kleinegger, Charles, PL, 2.....	Portland
Kalina, Louis, BAd, 2.....	Malin	Kleinsoyge, Elizabeth, SSc, 1.....	Silverton
Kalisky, Joseph R., BAd, 4.....	Eugene	Klekar, Kamilla, Mus, 3.....	Malin
Kalmbach, Helen A., PhS, 2.....	Castle Rock, Wash.	Klinger, William H., BAd, 2.....	Woodburn
Kammerer, Alan R., BAd, 3.....	Portland	Klippel, Carl F., BAd, 4.....	Eugene
Kanewski, Robert J., BAd, 1.....	Eugene	Klockars, Maxine B., LL, 2.....	North Bend
Kanzler, Jane, Mus, 3.....	Portland	Klosterman, Thomas K., PL, 1.....	Portland
Karkett, Evelyn E., LL, 2.....	Portland	Knapp, Marjorie, PE, 1.....	Grants Pass
Kaseberg, Collis F., BAd, 2.....	Portland	Kneeland, Hartley, PE, 1.....	Eugene
Kaser, Esther V., Mus, 4.....	Portland	Kneeland, Jack M., BAd, 2.....	Harlowton, Mont.
Kaser, V. Elizabeth, Mus, 4.....	Portland	Kneeland, Thomas H., AA, 1.....	Portland
Kaufman, Helen F., Ec, 4.....	Portland	Knight, William W., L, 3.....	Roseburg
Keane, Gordon H., L, 3.....	Eugene	Knotts, Anita, LL, 2.....	El Paso, Tex.
Keene, Elizabeth, Ed, 2.....	Silverton	Knowles, Catherine, BAd, 2.....	Emmett, Idaho
Keene, Frances, Eng, 3.....	Silverton	Knowles, Donald L., BAd, 2.....	Salem
Keeshing, Cecil, J, 2.....	Campbell, Calif.	Knowles, Mary L., a.....	Eugene
Kepl, Gretchen, AA, 2.....	Oakland, Calif.	Knowlton, Chester O., BAd, 2.....	Tillamook
Keohe, Mary E., LL, 2.....	Portland	Knox, Faye F., PE, 2.....	Eugene
Keith, Jeanette E., AA, 1.....	Milwaukie	Knutson, Lloyd J., BAd, 2.....	Tacoma, Wash.
Keizer, John P., BSc, 2.....	North Bend	Koch, Mildred, AA, 2.....	Eugene
Kelley, Dorothy M., PE, 2.....	Boring	Koehler, Katherine, J, 2.....	Portland
Kelley, Irene F., Eng, 4.....	Eugene	Koke, Helen F., AS, 4.....	Eugene
Kellner, Mayville, PE, 2.....	Santa Barbara, Calif.	Kolster, Muriel, SSc, 1.....	Palo Alto, Calif.
Kelly, Aileen, J, 1.....	Portland	Koon, Roy, BSc, 1.....	Junction City
Kelly, Ann L., PE, 2.....	Palo Alto, Calif.	Korhonen, Edith M., Ed, 1.....	Portland
Kelly, Ray, SSc, 2.....	Eugene	Kostka, Stanley C., SSc, 1.....	Eugene
Kelly, Theresa B., Mus, 4.....	Portland	Kotchik, George C., AA, 4.....	Portland
Keltner, Francis, Ed, 3.....	Arango	Koupal, Milton D., PhS, 2.....	Eugene
Kemp, Allie, Ed, 2.....	Portland	Kraus, Lucille C., Eng, 3.....	Vancouver, Wash.
Kemper, Howard W., BAd, 2.....	Portland	Kremers, Alice, LL, 1.....	Portland
Kendall, John W., PL, 2.....	Portland	Kroschel, Robert, BAd, 2.....	Medford
Kennedy, Ernest Ray, BAd, 2.....	Eugene	Kull, Hazel L., Bi, 4.....	Creswell
		Kunkle, Henry F., BAd, 2.....	Medford

- Kuykendall, Delman V., Ch. 4.....Klamath Falls
 Kuykendall, William, L. 3.....Klamath Falls
 Kylstra, Marie H., J. 1.....Portland
 La Barre, Gwen J., PE, 4.....Portland
 Labbe, John T., LL, 2.....Portland
 Lacy, Mary E., LL, 1.....San Francisco, Calif.
 Lage, Lenore M., Mus. 2.....Hood River
 Lageson, Gilbert H., BSc, 2.....Medford
 Laird, Charles B., Ch. 3.....Portland
 Laird, Eugene E., L. 2.....Myrtle Point
 Laird, Loree, Mus. 1.....Creswell
 Lake, William S., SSc, 1.....Eugene
 Lamb, Juanita G., AA, 1.....Eugene
 Lamb, Lottie L., Ec, 2.....Eugene
 Landon, Clover L., Mus. 2.....Eugene
 Landrum, Herbert N., BAd, 2.....Eugene
 Landt, Henry L., AA, 4.....San Diego, Calif.
 Landye, James T., L. 1.....Portland
 Lane, Charles M., BSc, 2.....Aberdeen, Wash.
 Lane, Lionel K., BAd, 4.....Portland
 Laue, Robert F., a.....Eugene
 Langille, Elizabeth S., Hst, 3.....Hood River
 Langtry, Virgil H., L. 1.....Tillamook
 Lauker, J. Alden, AA, 4.....Portland
 Laraway, Euphemia F., LL, 2.....Eugene
 Large, Herbert L., BAd, 1.....Eugene
 Larimer, Dorene R., Eng, 4.....Springfield
 Larson, Gertrude H., Ed, 4.....Portland
 Larson, Robert C., BAd, 4.....Astoria
 Larson, Roland E., BAd, 2.....Astoria
 Larson, Virgil Ch., BSc, 2.....Portland
 Lasselie, Courtney D., PhS, 1.....Portland
 Laub, Paul H., L. 3.....Portland
 Lautman, Sarah S., AS, 2.....Eugene
 Laughrige, Katherine, Eng, 3.....Salem
 Laurance, Erwin, J. 2.....Parkdale
 Laurance, Sheldon E., BAd, 4.....Parkdale
 Laurance, Wallace R., L. 1.....Junction City
 Laurin, Leo E., BAd, 2.....Clackamas
 Lauritz, Norman H., BAd, 1.....Nelson, B. C.
 Law, Donald, SSc, 1.....Portland
 Lawagan, Miguel L., SSc, 1.....Eugene
 Lawrence, Helen M., LL, 1.....Spokane, Wash.
 Lawrence, Mildred E., Eng, 3.....Caldwell, Idaho
 Lawrence, Ruthalys, BAd, 1.....Milwaukie
 Lawrie, Margaret A., BAd, 3.....Portland
 Layman, (Mrs.) Bess D., Lat, 4.....Eugene
 Layman, George H., L. 2.....Eugene
 Lazier, Donald C., Bi, 4.....Eugene
 Leadbetter, Anne M., LL, 2.....Portland
 Lee, Norman L., BSc, 1.....Eugene
 Lee, Patsy M., J. 2.....Eugene
 Lee, Roy, SSc, 1.....Stayton
 Lee, Thomas J., PE, 1.....Concord, Calif.
 Leede, William E., BSc, 2.....Seattle, Wash.
 Leedy, Robert A., L. 2.....Portland
 Lees, Floyd E., PhS, 1.....Portland
 Leggett, Howard M., BAd, 1.....Halsey
 Leisz, Barbara E., LL, 2.....Portland
 Leisz, Helen, Ed, 2.....Portland
 Leiter, Barbara R., RL, 3.....Portland
 Lemery, George W., BSc, 2.....Brooks
 Lenke, Carl H., Mus, 4.....Salem
 Lennard, Jean M., Bi, 3.....Milwaukie
 Leonard, Jean H., LL, 2.....Portland
 Letuck, Katherine E., PE, 2.....Nyssa
 Levin, Herman B., BSc, 1.....Portland
 Levins, Grant S., J. S.....Elkton
 Leurs, Carnelia J., LL, 1.....Eugene
 Levoff, Henry, BAd, 4.....Portland
 Lewis, Constance H., LL, 1.....Eugene
 Lewis, Henry W., BAd, 1.....Portland
 Lewis, Howard B., AA, 1.....Placerville, Calif.
 Lewis, Nylie, AA, 2.....La Grande
 Lieser, William H., BSc, 2.....Vancouver, Wash.
 Lieuallen, Barbara, Eng, 3.....Bend
 Liljegrist, Cynthia J., LL, 1.....Marshfield
 Lillard, Joe, PE, 2.....Eugene
 Little, Byron, PL, 2.....Hot Lake
 Lindeman, Arnie J., PE, 1.....Astoria
 Lindeman, Dorothy H., Mus, 4.....Rainier
 Lindley, Myrl R., BAd, 3.....Portland
 Lindner, Dudley, J. 1.....Burlingame, Calif.
 Link, Paula E., PhS, 2.....Eugene
 Linn, George M., J. 1.....Bandon
 Liston, Kathryn G., PhS, 2.....Eugene
 Litscher, Erma E., LL, 1.....Eugene
 Litscher, Margaret E., AA, 2.....Eugene
 Little, Carl E., BAd, 1.....Eugene
 Lively, Alice M., Eng, 3.....Portland
 Livengood, Marjorie M., LL, 2.....Eugene
 Locke, Rachel, Ed, 3.....Quinalt, Wash.
 Lodge, Cynthia J., Ed, 3.....Springfield
 Lofstedt, Esther A., Mus, 2.....Astoria
 Logan, Irma L., Mus, 4.....Portland
 Logsdon, Willametta, Ed, 3.....Riddle
 Lohikoski, Leo V., Mus, 2.....Portland
 Londahl, Harriett M., PE, 3.....Bend
 Londahl, John E., Bi, 4.....Bend
 Lonergan, Eleanor B., Eng, 3.....Seaside
 Long, John V., L. 1.....Roseburg
 Long, Kenneth C., AA, 4.....Eugene
 Long, Lewis O., Mus, 4.....Eugene
 Long, Louise, LL, 2.....Portland
 Long, Maude, BAd, 1.....Cloverdale
 Longaker, Daniel N., Ec, 4.....Oakland, Calif.
 Loomis, Eula L., LL, 2.....Mapleton
 Loomis, Robert C., BAd, 4.....Portland
 Lord, Clifford W., BAd, 2.....Medford
 Lord, Kenneth F., BAd, 2.....Portland
 Lott, Mary M., LL, 1.....Eugene
 Lottridge, A. Kendall, PL, 2.....Baker
 Love, James E., Mus, 4.....Eugene
 Loweless, May A., AA, 1.....Eugene
 Lowry, Lucile, LL, 1.....Medford
 Lowry, Mary I., SSc, 2.....Portland
 Lucas, Harry C., PL, 1.....Santa Cruz, Calif.
 Luke, Edith I., Ed, 3.....Eugene
 Lumpee, Henry L., J. 3.....Vale
 Lund, Thelma E., Ed, 4.....Eugene
 Lundgren, Leonard E., BAd, 2.....Seaside
 Lupper, James R., PL, 1.....Portland
 Luppen, Jeanne, SSc, 2.....Sacramento, Calif.
 Lyle, Alexis J., BAd, 4.....Klamath Falls
 Lynds, William A., BAd, 2.....Portland
 Lynn, J. Marvin, BAd, 2.....Tacoma, Wash.
 Lyon, Glenn E., BAd, 2.....Eugene
 Lyon, Norma M., Mus, 3.....Marshfield
 Lytsell, Dulcie M., RL, 4.....Warrenton
 McBee, Herbert R., Ed, 4.....Portland
 McBride, Frank A., Ec, 4.....Portland
 McCadden, Patricia A., LL, 1.....Eugene
 McCaffery, Norman T., PL, 3.....Portland
 McCaffery, Walter J., SSc, 2.....Portland
 McCall, Harry, BAd, 2.....Redmond
 McCall, Thomas L., J. 1.....Redmond
 McCallum, Harry T., PhS, 1.....Eugene
 McCallum, Lyle W., BAd, 2.....Eugene
 McCannum, John F., L. 3.....Perry, Iowa
 McCannel, Jack S., Bi, 4.....Portland
 McCarthy, Malvin, Ec, 4.....Eugene
 McClain, J. B., BAd, 1.....Eugene
 McClain, Ruth L., J. 1.....Hood River
 McClun, Charles J., BAd, 2.....Holley
 McConnell, Marvin A., BAd, 3.....Pomona, Calif.
 McCool, Naomi, LL, 2.....San Mateo, Calif.
 McCormack, Charles, BSc, 1.....Redmond
 McCormick, Katherine D., AS, 2.....Eugene
 McCormick, Robert James, AA, 3.....Ventura, Calif.
 McCormmach, Robert Burns, BAd, 4.....Pendleton
 McCormack, Mark Willard, Bi, 3.....Eugene
 McCoy, Mason Mortimer, Ed, 2.....Eugene

- McCracken, Elizabeth Ann, Ed, 2.....Portland
 McCrede, Gail, BA, 1.....Portland
 McCroskey, Gene, BA, 2.....Portland
 McCroskey, Miriam, Soc, 3.....Portland
 McCulloch, Bob Lester, BA, 2.....Portland
 McCulloch, John Robert, PL, 3.....Portland
 McCully, Alton C, BA, 2.....Eugene
 McCully, Charles Roland, PhS, 1.....Eugene
 McCurtain, Robert Bruce, BSc, 1.....Portland
 McDaniel, Myrtle Jane, Eng, 4.....Portland
 McDaniel, Warren IL, Eng, 4.....Portland
 McDermott, Frances Luella, BA, 1.....Eugene
 McDonald, Donald French, a.....Eugene
 McDonald, Lester B, Ed, 2.....Eugene
 McDonald, Maxine Claire, Ed, 2.....Eugene
 McDonald, Olive R, a.....Eugene
 McDonald, Robert Douglas, J, 2.....Portland
 McDougal, Marjorie Maria, RL, 4.....Eugene
 McEntir, Catherine, Eng, 4.....Portland
 McFall, Ella, Soc, 4.....Eugene
 McGillicuddy, Jerry Margaret, J, 1.....Aberdeen, Wash.
 McGinn, Gerald James, J, 1.....St. Helens
 McGonigle, Gerald C, AA, 1.....Portland
 McGowan, Catherine, Eng, 4.....McGowan, Wash.
 McHoley, Melvin C, BA, 1.....Portland
 McKean, Edward Lewis, BSc, 2.....Townsend, Wash.
 McKean, J. Kenneth, Ec, 3.....Moro
 McKelligan, Alvin M., PL, 2.....Portland
 McKenna, K. Patricia, LL, 2.....Marshfield
 McKennon, Donald Sheridan, BA, 2.....Eugene
 McKeown, Joe, L, 3.....Marshfield
 McKie, Peggy A., LL, 1.....St. Helens
 McKillop, Donald R, Ed, 2.....Roseburg
 McKim, Donald, BA, 1.....Baker
 McKinney, Fred, Mus, 1.....Lakeview
 McKinney, Max Russell, RL, 3.....Eugene
 McKinney, Maxine Lola, LL, 1.....Portland
 McKinnon, Janice Jean, Eng, 4.....Eugene
 McLaughry, Edward J, BA, 1.....Salem
 McLellan, Edgar Galt, SSc, 2.....Burlingame, Calif.
 McLennan, Donald, BA, 2.....Portland
 McMahon, Echo Spence, Ed, 4.....Gladstone
 McMasters, Roland, BA, 1.....Berkeley, Calif.
 McMillan, Dorothy Mae, BA, 3.....Portland
 McMillan, Eula E., Ed, 3.....Lexington
 McMullen, Roy Donald, PL, 2.....Portland
 McMunn, Louise, J, 2.....Portland
 McNabb, Willis Jack, BA, S.....Eugene
 McNeely, James Milton, BA, 1.....Tacoma, Wash.
 McNutt, Kathleen Lucile, Bi, 3.....Eugene
 McRobbie, Betty, AA, 2.....Portland
 McRobbie, Douglas Ross, BA, 1.....Portland
 McShatko, George Gilmore, BSc, 2.....Portland
 McVay, Catherine Elizabeth, Eng, 3.....Oswego
 Macdonald, Fred C, AA, 4.....Portland
 Macdonald, Jean, SSc, 2.....Portland
 Macdonald, Mabel Ruth, PE, 3.....Tigard
 Macdonald, Margaret Flora, Hst, 4.....Portland
 Macduff, Betty Anne, J, 3.....Eugene
 Macduff, Jack N., PhS, 1.....Eugene
 MacGregor, Margaret Ann, BA, 2.....Portland
 MacIntyre, L. Lee, AA, 1.....Hillsboro
 MacLean, Dorothy Gene, PE, 3.....Portland
 MacMahon, Mary, SSc, 1.....Tacoma, Wash.
 MacMillan, Dorothy Lou, PE, 4.....Portland
 Macke, Nancy Edna, LL, 2.....Tacoma, Wash.
 Madden, Dorothy Sage, LL, 1.....Portland
 Madigan, Edward John, BA, 4.....Portland
 Madsen, Alice Marie, PE, 2.....Junction City
 Maertens, Clare N., SSc, 2.....Eugene
 Magionis, Dan C, BA, 4.....Marshfield
 Maginnis, Helen Mariana, AA, 1.....Marshfield
 Magruder, Phyllis Eleanor, Mus, 2.....Sidney, Mont.
 Maguire, Betty Harlan, BSc, 1.....Oswego
 Mahoney, Berniece Blanche, Mus, 2.....Oakland
 Mahoney, Patricia Eileen, BA, 2.....Heppner
 Majka, Frank Anthony, Bi, 4.....Tacoma, Wash.
 Makinen, Alfred Edward, PE, 4.....Astoria
 Malmstrom, Carl Olaf, Eng, S.....Reedsport
 Malone, Vivian Elizabeth, Mus, 2.....Eugene
 Maloney, Susan Betty, Eng, 3.....Santa Ana, Calif.
 Manasse, Irving Edward, BA, 3.....Napa, Calif.
 Manerud, Katharine Shirley, LL, 2.....Eugene
 Mann, Henry Karl, PE, 2.....Linnton
 Manning, Andrew Jackson, Eng, 4.....Klamath Falls
 Mapes, L. Vernon, BSc, 2.....Beaverton
 March, Harold V., Ed, 3.....Myrtle Creek
 Marcus, Marjorie, SSc, 2.....Salem
 Mariano, Honorante B., Hst, 4.....Eugene
 Marks, Mildred Mary, SSc, 2.....Roseburg
 Marlatt, Milo Marion, AA, 2.....Eugene
 Martitt, Richard L, AA, 3.....Portland
 Marlon, Virginia Elaine, AS, 2.....Astoria
 Marr, Kathryn Adelia, Mus, 1.....Spokane, Wash.
 Marrs, John, Jr., BA, 3.....Portland
 Mars, Ned S., J, 4.....Ashland
 Marsh, Kathryn K., Ed, 3.....Marshfield
 Marshall, Charles Newton, PE, 4.....Eugene
 Marsters, Dorothy F., SSc, 2.....Portland
 Martin, A. Ray, L, 1.....Eugene
 Martin, Charles Alexander, BA, 1.....Portland
 Martin, Mary Louise, Soc, 3.....Claremont, Calif.
 Martin, Ruth, LL, 1.....Eugene
 Martindale, Ed, LeRoy, PL, 2.....Portland
 Martindale, Helen Louise, RL, 4.....Portland
 Marvin, Sarah Louise, Eng, 3.....Portland
 Mason, Katharine, LL, 2.....Eugene
 Mason, Ralph Stevenson, J, 1.....Parkdale
 Mason, Wayne, BA, 4.....Bend
 Massee, Clara Amelia, AA, 4.....Springfield
 Massey, George D., BSc, 1.....Klamath Falls
 Massey, Thomas B., BSc, 2.....Klamath Falls
 Masters, Melba Rebecca, AA, 2.....Eugene
 Masterton, May, LL, 2.....Eugene
 Masterton, Mona Jean, LL, 2.....Eugene
 Mather, Jennings Scott, Bi, 4.....Eugene
 Mattesou, Ruth T., LL, 1.....Eugene
 Matthews, Daphine, LL, 2.....Grants Pass
 Mauzey, Milton Louis, BA, 3.....Lakeview
 Maxwell, Velda A., Mus, 1.....Eugene
 Means, Mega Ann, LL, 1.....Cottage Grove
 Meddor, Emma Eleanor, Mus, 3.....Prairie
 Meeds, Lud Wilbur, BA, 4.....Gladstone
 Meisel, Phyllis Ione, Hst, 3.....Eugene
 Meissner, William A., BSc, 1.....Oregon City
 Mergus, Edward Eugene, L, 2.....Portland
 Merle, Leo V., J, 1.....San Francisco, Calif.
 Merrick, Robert D., BA, 2.....San Francisco, Calif.
 Merrill, Eldred Sheldon, SSc, 2.....Eugene
 Merritt, Louise Elizabeth, LL, 1.....Woodland, Calif.
 Mertz, Marguerite, J, 2.....Eugene
 Meserve, Edwin A., PL, 1.....Los Angeles, Calif.
 Mesher, Mouis N., BSc, 2.....Portland
 Metcalf, Ruth Alice, Mus, 2.....Eugene
 Metschan, Max, BA, 1.....Portland
 Metzler, Ruth Evelyn, Psy, 3.....Corvallis

- Meyer, Alan John, SSc, 2.....Portland
 Meyer, Mary Alice, LL, 2.....Portland
 Meyers, Marie Emily, PE, 4.....Portland
 Michel, Wilham, LL, 1.....Chiloquin
 Miguel, Bonifacio, PhS, 1.....Laog, Ilocos Norte, P. I.
 Mikulak, Mike, SSc, 2.....Minneapolis, Minn.
 Miller, Barney Ronald, J, 4.....Ashland
 Miller, Eugene E., PhS, S.....Eugene
 Miller, Evangeline Katherine, LL, 2.....Portland
 Miller, Georgia Lou, AA, 3.....Portland
 Miller, Hollister Britton, Gr, a.....Eugene
 Miller, Juanita E., Ed, 4.....Yoncalla
 Miller, Robert Stephenson, PL, 1.....Wheeler
 Miller, Robert Thomas, PS, 3.....Pendleton
 Miller, Virginia Lee, AA, 1.....Paio Alto, Calif.
 Miller, Wallace J., PhS, 2.....Hood River
 Milligan, Ruth Ann, a.....Eugene
 Mills, Mary Jane, LL, 2.....Los Angeles, Calif.
 Mills, Roberta, SSc, 2.....Salem
 Minnaugh, Brian Arnold, BAD, 4.....Pondosa
 Minsinger, William C., Ec, 4.....Portland
 Minturo, George Monroe, AA, 1.....Salem
 Mitchell, Hattie P., Ed, 4.....Ashland
 Mitchell, Sam A., Bad, 4.....Junction City
 Moe, Donald Kermit, L, 2.....Portland
 Moeller, Edward Bernard, PE, 2.....Eugene
 Moffitt, Laurence C., Ed, 3.....Springfield
 Mohr, Edna, LL, 2.....Medford
 Monroe, Carl D., Ec, 3.....Cottage Grove
 Monterola, Vincent U., SSc, a.....Eugene
 Montgomery, Edgar P., J, 4.....Eugene
 Moon, Francis Ted, BAD, 4.....Eugene
 Moore, Delbert Warren, Mus, 3.....Eugene
 Moore, Donald Edmund, BSc, 2.....Medford
 Moore, Dora Ellen, PhS, 4.....Rainier
 Moore, Elaine, a.....Eugene
 Moore, Edith Marcia, RL, 4.....Springfield
 Moore, Hagan A., Eng, 3.....Ontario
 Moore, Maxine, B, 3.....Eugene
 Moore, Maxine Kirk, Eng, 4.....Eugene
 Moorhouse, Marian, PE, 3.....Pendleton
 Moorhouse, Richard Nichols, SSc, 1.....Beverly Hills, Calif.
 Moran, Thomas Wm., AA, 4.....Eugene
 Morden, Robert Burke, AA, 1.....Portland
 Morgan, Agnes Stewart, BAD, 2.....Powers
 Morgan, Alice Mildred, Mus, 2.....Eugene
 Morgan, Dorothy LaVerne, LL, 2.....Longview, Wash.
 Morgan, Elmer Wm., SSc, 2.....Eugene
 Morgan, Glen Edgar, Ch, 4.....Roseville, Calif.
 Morgan, James D., PhS, 2.....Portland
 Morgan, Margaret Ann, J, 1.....Nyssa
 Morgan, Roy Dorsey, SSc, 2.....Eugene
 Morgan, Russell B., BAD, 3.....Powers
 Morgensen, Jack, BAD, 2.....Eugene
 Morningstor, Clifford Franklin, Ed, 4.....Drain
 Morrison, Gerald E., Bad, 2.....Eugene
 Morrison, Manetta Ann, J, 2.....Belmont, Calif.
 Morrison, Margaret, BAD, 2.....Portland
 Morrison, Robert McDonald, BAD, 1.....Klamath Falls
 Morrow, Anne Barclay, AA, 1.....Portland
 Morrow, Ralph Newton, BAD, 1.....Astoria
 Morse, Marion Keeney, LL, 1.....Eugene
 Morse, Ray Joe, PE, 2.....Portland
 Mortensen, Margaret Elizabeth, AA, 2.....Springfield
 Mortenson, Maxine, LL, 1.....Eureka, Calif.
 Morton, Dorothy Grace, Mus, 1.....Portland
 Moser, George M., BSc, 1.....Grants Pass
 Moshberger, J. Ladrew, RL, 3.....Portland
 Mottman, James Fredrick, PhS, 2.....Olympia, Wash.
 Mountain, Thomas, PL, 3.....Eugene
 Moynahan, Alice Irene, SSc, 1.....Sacramento, Calif.
 Moynahan, James McCouslin, PhS, 4.....Sacramento, Calif.
 Muhr, Margaret Evelyn, LL, 2.....Eugene
 Mulder, Jack R., BAD, 1.....Oswego
 Mulder, J. Philip, BAD, 2.....Oswego
 Muller, Arthur Nick, BAD, 2.....Tygh Valley
 Mulliner, Elsie Elizabeth, Soc, 4.....Eugene
 Mullins, Clarence E., LL, 1.....Eugene
 Mullins, Eugene Dan, J, 3.....Eugene
 Mullins, Francis Gerald, J, 4.....Eugene
 Mullins, Georgia Moe, a.....Eugene
 Mullins, Margaret Fries, LL, 1.....Eugene
 Mumaw, Richard Henry, PL, 2.....Aberdeen, Wash.
 Muncy, Marylou, LL, 2.....Portland
 Munger, Oscar F., J, 3.....Fossil
 Munk, Jane Schuyler, LL, 2.....Portland
 Munroe, William Kent, BAD, 2.....Eugene
 Murphy, Jack Redmond, L, 2.....Portland
 Murphy, Lucile Claudena, PE, 4.....Albany
 Murray, Andrew Foster, AA, 4.....Santa Monica, Calif.
 Murray, Orin Brace, L, S.....Camas Valley
 Murrey, Gerald Louis, PL, 2.....Eugene
 Mushen, Samuel Albert, J, 4.....Lakeview
 Mutton, Ralph Vincent, J, 3.....Jennings Lodge
 Mutzig, Dorothy Sue, Ed, 4.....Portland
 Muzzy, Helen Harriet, AS, 2.....Scio
 Myers, Harold Hean, BSc, 1.....Portland
 Nachtmann, Howard Frank, BSc, 2.....Portland
 Nash, W. Gifford, Eng, 3.....Eugene
 Nait, Theodore M., BAD, 3.....Alameda, Calif.
 Neal, Helen Margaret, AS, 1.....Eugene
 Near, Bob E., BAD, 3.....Eugene
 Near, Richard Sherman, PL, 2.....Eugene
 Nebergall, Margaret Esther, LL, 1.....Eugene
 Needham, Howard Foshay, BAD, 3.....Eugene
 Needham, Marjorie Maxwell, Eng, 4.....Portland
 Needham, Robert McAllister, BAD, 3.....Salem
 Neely, Horace Donald, BAD, 2.....Mapleton
 Neese, Marie Gladys, LL, 1.....Portland
 Neighbor, William Edward, PL, 1.....Portland
 Nelson, Ann Marie, Ec, 4.....Eugene
 Nelson, C. Lee, BAD, 3.....Eugene
 Nelson, Eva Margaret, Lat, 4.....Pendleton
 Nelson, Grace Marguerite, SSc, 1.....Portland
 Nelson, Helen Ruth, Ed, 1.....Oakland, Calif.
 Nelson, Jack Wood, BAD, 2.....Pendleton
 Nelson, Mary Maxine, PL, 1.....Portland
 Nelson, Teresa E., AA, 1.....Pilot Rock
 Nelson, Thelma, J, 3.....Eugene
 Neuberger, Richard Lewis, PL, 1.....Portland
 New, Maryline Alice, LL, 1.....Portland
 Newby, Peggy Virginia, LL, 1.....Portland
 Newcomb, Orlo K., BAD, 3.....Gerald, Calif.
 Newell, J. Walter, AA, 2.....Newberg
 Newhall, James W., BSc, 1.....Berkeley, Calif.
 Newman, David Benton, PL, 1.....Medford
 Newman, Ethan Lee, Ec, 3.....Eugene
 Newport, J. Kendall, AA, 4.....Parma, Idaho
 Newton, Charles Melvin, Eng, 4.....Hillsboro
 Newton, J. Almon, J, 1.....Portland
 Nicely, Charles William, SSc, 1.....Klamath Falls
 Nicholas, Clarence A., PE, 2.....Lakeview
 Nickels, Ida Mae, BAD, 2.....Hilo, T. H.
 Nicklaus, Burdette Ramon, LL, 2.....Eugene
 Niels, Dorothea P., PhS, 2.....Eugene
 Nielson, Ejner E., AA, 2.....Portland
 Niesen, C. Wallace, BAD, 2.....Tacoma, Wash.
 Nigh, Sam Henshaw, Ec, 4.....San Francisco, Calif.
 Nikirk, Martha, PhS, 2.....San Francisco, Calif.

- Nilsson, Erwin G., BAd, 2.....Milwaukie
 Nissen, Rowena W., AS, 4.....Sheridan
 Nitschke, Gertrude C., I.J., 1.....Portland
 Nock, Harold P., J., 4.....Melbourne, Victoria,
 Australia
 Noel, William T., L., 1.....Eugene
 Nombalais, Florence M., J., 3.....Eugene
 Norblad, A. Walter, L., 3.....Astoria
 Norman, Will A., AA, 4.....Portland
 Northway, Millicent B., AS, 2.....Portland
 Norton, Michael L., LL, 2.....Los Angeles,
 Calif.
 Norton, Robert G., BAd, 2.....Bandon
 Norval, Kenneth C., BAd, 2.....Tygh Valley
 Nowland, Fred W., SSc, 1.....La Grande
 Nuil, Howard W., AA, 2.....Portland
 Nunn, Leslie R., BSc, 2.....Wasco
 O'Brien, Claude M., a.....Dufur
 O'Brien, Maurice H., LL, 1.....Eugene
 Ocampo, Emilio G., BAd, 2.....Eugene
 Oebler, Hortense E., J.L., 2.....Portland
 Officer, Robert O., PE, 2.....Eugene
 Oglesby, Francis M., Ch, 3.....Eugene
 Ohler, George W., PL, 2.....Astoria
 Ohmart, Howard V., SSc, 1.....Eugene
 O'Keefe, Horace J., BAd, 2.....San Mateo,
 Calif.
 O'Leary, Robert E., BAd, 4.....Eugene
 Olinger, Gilbert E., BAd, 2.....Milton
 Oliver, Claire M., Hst, 4.....John Day
 Oliveras, Anarletto M., Ed, 4.....Balavan,
 La Union, P. I.
 Olmscheid, Elmo E., BSc, 2.....Portland
 Olmstead, Alice Shelby, RL, 4.....Eugene
 Olsen, Donald W., BAd, 2.....Eugene
 Olsen, Raymond R., BAd, 3.....Eugene
 Olson, Arthur R., Bi, 3.....Portland
 Olson, Harold, PE, 2.....Klamath Falls
 Olson, Ray Clark, PE, 2.....Berkeley, Calif.
 O'Melveny, Robert G., BAd, 4.....Portland
 O'Neil, Blanche M., J., 1.....Klamath Falls
 Oustad, Harold A., AA, 2.....Portland
 Opedal, Lawrence E., Soc, 4.....Silverton
 Opsund, Alma J., BAd, 1.....Portland
 Ormandy, Margaret M., Eng, 4.....Portland
 Orme, Douglas W., Mus, 4.....Eugene
 Orme, Kathryn H., PhS, 4.....Eugene
 Orth, Dorothy D., AA, 1.....Medford
 Osborn, Ruth F., J., 1.....Eugene
 Osborne, Janet A., Hst, 4.....Eugene
 Osborne, Margaret E., SSc, 1.....Eugene
 Osburn, Elise M., Eng, 4.....Astoria
 Osland, Helen V., BAd, 1.....Portland
 Ostlund, M. Lucille, PhS, 1.....Marshfield
 Otto, Robert J., AA, 2.....Portland
 Overhulse, Boyd R., J., 2.....Portland
 Overjorde, Robert W., LL, 1.....Coeur d'Alene,
 Idaho
 Overman, Helen L., Ed, 4.....Portland
 Overmeyer, Elmira, SSc, 2.....Orting, Wash.
 Overturf, Harrison, BSc, 1.....Bend
 Owen, George E., Ed, 4.....Eugene
 Owen, Mary F., J., 1.....Hillsboro
 Owens, Ray W., BSc, 2.....Portland
 Owensby, Mary M., J.L., 2.....Burlingame,
 Calif.
 Paetsch, Hazel L., AA, 4.....Banks
 Page, Donzil L., Ch, 4.....Eugene
 Page, Dorothy E., PE, 4.....Dallas
 Page, Kimball, BSc, 2.....Salem
 Page, Urlin S., L., 2.....Salem
 Panton, John G., BAd, 4.....Portland
 Pallcutt, Vera I., Ed, 4.....Eugene
 Pallister, Francis J., J., 2.....Eugene
 Palmer, Omac C., BAd, 4.....Eugene
 Palmer, Orlo H., PhS, 2.....Eugene
 Palmer, William A., PL, 3.....Baker
 Paulte, Alvin T., LL, 1.....Portland
 Pape, Patronilla L., BAd, 3.....Eugene
 Parcel, Howard E., L., 1.....Sebastopol, Calif.
 Parish, Helen P., Soc, 3.....Eugene
 Parke, Robert F., PE, 1.....Eugene
 Parke, William M., PE, 2.....Eugene
 Parker, Alvan P., BAd, 1.....Portland
 Parker, Bema C., BAd, 2.....Portland
 Parker, Earl W., PE, 1.....McMinnville
 Parker, Elizabeth A., BAd, 2.....Eugene
 Parker, Glenn, J., 3.....Portland
 Parker, John G., BAd, 2.....Heppner
 Parker, Malveson J., AS, 1.....Portland
 Parker, W. Vawter, L., 2.....Heppner
 Parkinson, W. Lee, J., 1.....Boise, Idaho
 Parks, Delos B., PL, 2.....Newport
 Parks, Dorothy M., BAd, 1.....Eugene
 Parks, Roland L., Hst, 3.....Talent
 Parmelee, William G., Jr., PhS, 2.....Hood
 River
 Parsons, Ida W., BSc, S.....Eugene
 Parsons, Kairine W., LJ, 2.....Eugene
 Parsons, Mary Gould, LL, 1.....Eugene
 Pasion, Benjamin U., BAd, 2.....Eugene
 Pasley, Harold V., BAd, 2.....Hillsboro
 Paszkowski, Boles T., RSc, 1.....Portland
 Paterson, Elizabeth, LL, 2.....Portland
 Patrick, Marylou, BAd, 2.....Portland
 Patten, Eleanor C., a.....Eugene
 Patterson, Martha E., Mus, 3.....Eugene
 Patterson, Robert H., J., 2.....Portland
 Patterson, Virginia, Bi, 3.....Klamath Agency
 Patton, J. Eugene, Ec, 4.....Pendleton
 Pattullo, Marion E., Eng, 3.....Portland
 Paul, Wilfred Henry, PE, 1.....Honolulu, T. H.
 Paul, William Deo, PL, 2.....Eugene
 Paulsen, Blanche Virginia, BAd, 1.....Portland
 Pavick, Martin, BSc, 2.....Bend
 Pawson, Carroll Albert, J., 1.....Boring
 Paxton, Forest Sanford, BAd, 3.....Lakeview
 Payne, Helen Doris, PE, 3.....Eugene
 Pearson, Eugene Ramsey, Mus, 4.....Eugene
 Pease, Maurice J., Verne, PE, 2.....Portland
 Peck, Francis Gilbert, Geo, 3.....Ness City,
 Kan.
 Pelton, Douglas M., AA, 1.....Milwaukie
 Penland, John, BAd, 4.....Pendleton
 Pennington, John Wesley, PL, 2.....Eugene
 Peneljak, George Steve, PE, 1.....Virginia,
 Minn.
 Peper, Edna L., Ph, 4.....Eugene
 Perigo, Kathryn, J., 4.....Hood River
 Perigo, Robert B., SSc, 2.....Hood River
 Perkins, Norris Humphrey, AA, 1.....Milwau-
 kie
 Perrott, Magdalene Ann, BAd, 1.....Portland
 Perry, Janet Ethel, Eng, 3.....Portland
 Perry, Ralph W., BAd, 1.....Hood River
 Persyn, Marie Clara, AS, 2.....Mount Angel
 Peters, Emil Cornelius, L., S.....Honolulu,
 T. H.
 Peterson, Althea Carmell, LL, 1.....Eugene
 Peterson, Edith Marie, SSc, 2.....Astoria
 Peterson, Elmer Karl, Ec, 3.....Lakeview
 Peterson, Elsie Carolyn, J., 1.....Portland
 Peterson, John Harold, LL, 1.....Milwaukie
 Peterson, Nels, PL, 1.....John Day
 Peterson, William Louis, BAd, 2.....Ontario
 Petit, Howard Eugene, J., 2.....Oregon City
 Petty, Wilbur F., Ed, 2.....Creswell
 Pfaff, Roger Alton, PS, 4.....Portland
 Phelps, Victor N., Ed, 3.....Eugene
 Philip, Harold M., Ec, 4.....Berkeley, Calif.
 Phillips, Elizabeth Ellen, BSc, 2.....San
 Diego, Calif.
 Phillips, Laura Kathryn, Eng, 3.....Portland
 Phipps, William Estill, J., 2.....Medford
 Pickard, Roberta Grace, AA, 1.....Bend
 Pickens, Donald Rodney, PhS, 1.....Oakland,
 Calif.

- Pickles, Norma Ramona, LL, 1.....Oregon City
- Pierre, Dorathi Bock, LL, a.....Eugene
- Pinkerton, A. Duane, PL, 2.....Eugene
- Pinkstaff, Myron Fletcher, BAd, 1.....Eugene
- Pinnney, Ralph Erskine, L, 2.....Portland
- Piper, Dorothy, Ed, 3.....Harrisburg
- Piper, Robert Taylor, AA, 2.....Watsonville, Calif.
- Pipes, Dawn Frances, AS, a.....Eugene
- Pista, Kathryn Irene, SSC, 2.....Watsonville, Calif.
- Pista, Louis Richard, BAd, 2.....Watsonville, Calif.
- Pitkanen, Hilda Edith, BSc, S.....Astoria
- Pitkin, Edward L., BAd, 4.....Coburg
- Pitt, Edwin Archibald, LL, 2.....Newton, Mass.
- Pittard, Ronny De, PL, 2.....McMinnville
- Pittenger, John Riley, BAd, 2.....Ashland
- Pittman, William Buckner, Ch, 4.....Eugene
- Plambeck, Hans Heimick, PhS, 2.....Mill City
- Plath, Corinne M., BAd, 3.....Bend
- Platt, Donald Leighton, J, 1.....North Bend
- Platt, Sanford Lanier, J, 3.....Longview, Wash.
- Plummer, Jack Alfred, BAd, 1.....Eugene
- Poley, Robert B., BSc, 1.....Grass Valley
- Polvka, Douglas William, J, 1.....Portland
- Pollitt, Margaret Ann, SSC, 2.....Portland
- Polson, Borden Adam, BSc, 1.....Montesano, Wash.
- Poorman, Margaret Susan, Soc, 4.....Woodburn
- Pope, Kathryn E., LL, 2.....Klamath Falls
- Pope, P. Oliver, PE, 3.....Eugene
- Popp, Katherine, AS, 1.....Portland
- Porter, Arthur, PhS, 1.....Eugene
- Porter, Elias Hull, BSc, 1.....Medford
- Porter, Norris Kent, PL, 2.....Medford
- Porter, Robert D., BAd, 1.....Medford
- Porterfield, Marvin H., BAd, 1.....Vernonia
- Posey, George McArthur, BAd, 1.....San Mateo, Calif.
- Potampa, Philip Burnard, Bi, 4.....Eugene
- Potter, Clifford Glenn, Ec, 4.....Curtin
- Potts, Josephine, AS, 3.....Eugene
- Potwin, Arthur Sims, BAd, 4.....Albany
- Powell, Ann Powell, Eng, 3.....Manila, P. I.
- Powell, Bettie Vye, BSc, 1.....Coeur d'Alene, Idaho
- Powell, H. Orville, Ed, 2.....Eugene
- Powell, Velma Anita, Mus, 4.....Moro
- Powers, John Robert, BAd, 1.....Powers
- Powers, Keith Gilbert, BAd, 1.....Portland
- Pozzo, Anselmo Leonardo, Ec, 3.....Eugene
- Pratt, George Haves, BAd, 4.....Eugene
- Priebe, Wilbur Fiske, BAd, 4.....Portland
- Prescott, Julian Paul, SSC, 2.....Salem
- Prescott, Robert William, PL, 1.....Eugene
- Price, Beverly DeVoe, J, 1.....Portland
- Price, Elliott Andrew, J, 2.....Portland
- Prigmore, Jo, LL, 2.....Portland
- Pritchard, T. Chester, BAd, 2.....Portland
- Privat, Jean Edward, AA, 1.....Springfield
- Prochnow, Richard Max, BAd, 2.....Springfield
- Proctor, Allen, AA, 2.....Portland
- Proctor, George S., BSc, 2.....Grants Pass
- Proctor, Kenneth Eldon, L, 2.....Sandy
- Proctor, William S., AA, S.....Eugene
- Prose, Ralph A., PhS, 2.....Eugene
- Prouty, Richard Walter, BAd, 1.....Warrenton
- Prudhomme, Jane Amelia, LL, 1.....Portland
- Pufido, Maximo Manuel, J, 3.....Portland
- Purcell, Charleen Roberta, Mus, 2.....Portland
- Pursley, Theodore James, PL, 1.....Eugene
- Putman, Charles Arthur, BAd, 2.....Baker
- Puusti, Henry J., BAd, 2.....Astoria
- Puustinen, W. William, J, 4.....Svensen
- Quimby, Mary Burhaze, PE, 2.....Bend
- Quitneyer, Katherine, Eng, 3.....Portland
- Radabaugh, Reuben Jack, PhS, 2.....Eugene
- Radtke, Fred A., Hst, 4.....Athens
- Rae, Ernest Ellsworth, J, 3.....Eugene
- Rae, John M., L, 1.....Eugene
- Ragan, Howard Cavanagh, BAd, 2.....Eugene
- Raitanen, Helen, Eng, 3.....Astoria
- Raley, James H., Jr., L, 4.....Pendleton
- Ramm, Veryl Gwendolyn, LL, 2.....La Grande
- Ramos, Antonio B., Ed, 3.....Eugene
- Ramp, Myrle B., Mus, 2.....Bend
- Ramp, George Samuel, BAd, 1.....Brooks
- Ramp, Lloyd V., BAd, 3.....Bend
- Rankin, Lillian Lucille, J, 2.....Eugene
- Rankin, Robert Theodore, BAd, 2.....Portland
- Ransom, Carolyn Jane, LL, 1.....Astoria
- Rasch, Lois-Jean, Lat, 4.....Portland
- Ratcliff, Leland Chas., BAd, 2.....Enterprise
- Rau, Maxine, LL, 2.....St. Helens
- Ray, Helen, LL, 2.....Portland
- Ray, Ralph Minter, BSc, 2.....Portland
- Rea, Annapauline, Eng, 3.....Portland
- Read, Marvel Lucretia, Ed, a.....Eugene
- Ream, Evert E., Ch, 3.....Eugene
- Reams, Edward Lanning, PL, 2.....Medford
- Rebec, Betty Lowell, Eng, 4.....Eugene
- Rederich, Margaret Louise, AA, 1.....Vancouver, Wash.
- Redkey, Ella Lucile, PE, 4.....Klamath Falls
- Ree, Hugo, PhS, a.....Eugene
- Reed, Bella Bernice, AS, 4.....Rhododendron
- Reed, John Kenneth, BAd, 4.....Portland
- Reed, Josephine Burnett, RL, 4.....Portland
- Reed, Maxine Annette, SSC, 2.....Astoria
- Reed, Sally Potter, Mus, 2.....Portland
- Reeder, Olivia Grace, BAd, 2.....Eugene
- Reeder, Robert Lyle, SSC, 1.....Ashland
- Reedy, Rolla A., Ed, 3.....Medford
- Rehal, Julius Raymond, BSc, 2.....Portland
- Reid, Avis Imogene, AS, 4.....Portland
- Reid, Frederick Wm., PL, 4.....Burns
- Reid, Virginia Louise, Eng, 4.....Eugene
- Reil, William Coleman, AA, 2.....Portland
- Reinners, Mahr G., J, 3.....Klamath Falls
- Renner, Joseph Nail, PL, 1.....Portland
- Rew, Ronald R., PL, 1.....Pendleton
- Reynolds, James Nathaniel, Bi, 4.....Portland
- Reynolds, John, BAd, S.....Lynwood, Calif.
- Reynolds, Margaret Adelaide, AA, 2.....Eugene
- Reynolds, Peggy Mae, LL, 1.....Eugene
- Rhoades, Grace Katherine, Eng, 4.....Salem
- Rice, Betsy, Eng, 4.....Portland
- Rice, Josephine Elizabeth, L, 1.....Caldwell, Idaho
- Rice, Louise Amelia, J, 1.....Portland
- Rice, Thelma May, Eng, 3.....Eugene
- Richard, Frances Louise, PhS, 4.....Eugene
- Richardson, Ella Marietta, PE, 2.....Troutdale
- Richardson, Margaret Elizabeth, AA, 1.....Eugene
- Richen, Albert Herman, BAd, 2.....Portland
- Richmond, Delmas R., L, 3.....Cottage Grove
- Ricketts, Myron R., J, 2.....Klamath Falls
- Riddell, Jean Merrill, Eng, 3.....Eugene
- Riddell, Percy, Ec, 4.....Monmouth
- Riddell, Robert Anderson, Eng, 3.....Eugene
- Riddell, Stewart Earl, J, 1.....Eugene
- Riddie, Bob C., J, 1.....Portland
- Riehl, Edward, L, 2.....Portland
- Riggs, Lois Pauline, Mus, 2.....Salem
- Rindge, Samuel H., PL, 1.....Los Angeles, Calif.
- Rinehart, Genevieve Georgie, BAd, 2.....Lakeview
- Ringo, Mildred Blanche, BSc, 2.....Tillamook

- Ringrose, James, BAd, 1.....San Francisco, Calif.
- Rischmuller, George Philip, AA, 1.....Eugene
- Rivers, Mae Lydia, AS, 4.....Eugene
- Rives, Robert Kern, BAd, 1.....Portland
- Robb, Edwin Paul, Ec, 3.....Los Angeles, Calif.
- Robberson, Torvil V., BAd, 1.....Goshen
- Robbins, F. Walter, BAd, S.....Eugene
- Robbins, Horace M., Ed, 4.....Fossil
- Robbins, Marian Alice, Ed, 3.....Tacoma, Wash.
- Robert, Henry Harris, BAd, 1.....Eugene
- Roberts, Charles Edwin, Ec, 3.....Oakland, Calif.
- Roberts, Margaret Nell, J, 2.....Milwaukie
- Roberts, William Evan, PL, 1.....Portland
- Robertson, Elizabeth Hawea, AA, 1.....Waialua, Oahu, T. H.
- Robertson, George Marcos, LL, 2.....Eugene
- Robertson, Helene Margaret, Mus, 2.....Eugene
- Robertson, Jack Elgin, BAd, 2.....Portland
- Robertson, Jean, LL, 2.....Portland
- Robins, Gertrude Ellen, BSc, 2.....Halsey
- Robinson, Edward, Ec, 4.....Portland
- Robinson, Frank Nisbet, BAd, 4.....Portland
- Robinson, William Craft, J, 1.....Eugene
- Robnett, Charles Alfred, AA, 1.....Albany
- Rodda, J. Merwin, AA, 2.....Portland
- Roduner, Charles Kenneth, Mus, 4.....Portland
- Rogers, Altine, Ed, 2.....Eugene
- Rogers, Fay, J, 2.....Portland
- Rogers, John Lupen, AA, 2.....Everett, Wash.
- Rogers, Rockwell L., PE, 4.....Eugene
- Koll, Edwin Joseph, AA, 2.....Portland
- Rollwage, John Edgar, Bi, 4.....Portland
- Root, Lawrence William, BAd, 3.....Portland
- Root, George Gerald, J, 2.....Portland
- Rorer, Emmajane, Eng, 4.....Eugene
- Roscoe, Vera Elaine, Ed, 4.....Scappoose
- Rose, Carolyn Sawyer, LL, 2.....Idaho Falls, Idaho
- Rose, Velde Bernice, AA, 2.....Ontario
- Rosete, Pantaleon M., J, 1.....Eugene
- Ross, Jack Winslow, BAd, 1.....Los Angeles, Calif.
- Ross, Jean Carlyle, LL, 1.....Portland
- Ross, Llewellyn Gibson, AA, 4.....Eugene
- Ross, Weldon T., BSc, 1.....McMinnville
- Roster, Nella, PS, 3.....Florence, Italy
- Rotenberg, Morris Hyman, J, S.....Portland
- Rotenberg, Sam, PL, 2.....Portland
- Rothenberger, Helen Elzino, AS, 2.....Sherwood
- Rothermel, Homer Kent, BAd, 1.....Tacoma, Wash.
- Roulstone, Virginia Lee, L, 2.....Long Beach, Calif.
- Rourke, Roland Louis, PE, 1.....Eugene
- Row, Helen McClure, LL, 1.....Eugene
- Royce, George Edwin, Ed, 1.....Summerville
- Rubenstein, Max Meyer, J, 2.....Eugene
- Ruegnitz, Elizabeth, LL, 2.....Portland
- Rummel, James Harold, BSc, 1.....Portland
- Runte, Violet Elizabeth, PL, 1.....Eugene
- Ruonala, Nan Selina, Ed, 3.....Astoria
- Rupert, Frances Adelaide, BAd, 4.....Portland
- Rushton, Edwin Hathaday, BAd, 2.....Burruslow, John Castle, SSc, 2.....Eugene
- Ringame, Calif.
- Russell, Maureen J., L, S.....Eugene
- Russell, Vincent Dal, BSc, 2.....Sheridan
- Russell, William Nichols, BAd, 1.....Portland
- Ruth, Virginia Ann, LL, 1.....Hollywood, Calif.
- Ruttencutter, Alice Virginia, Eng, 3.....Grants Pass
- Ruttencutter, John Paul, Ed, 1.....Grants Pass
- Ryan, Bernard Francis, Bi, 3.....Portland
- Ryan, Bryan, AA, 2.....Eugene
- Ryder, Gilman Merrill, BAd, 2.....Baker
- Ryder, Nonearle French, LL, 2.....Portland
- Sabin, Adrienne, Ed, 2.....Hollywood, Calif.
- Sabin, Frances Ethel, Lat, 4.....Eugene
- Saccomanno, Marie Louise, LL, 1.....Portland
- Saeltzer, Harriette, PL, 2.....Redding, Calif.
- Saeltzer, Mary Linn, Mus, 2.....Redding, Calif.
- Sale, Frances, AA, 2.....Hermiston
- Salmen, Paul Douglas, SSc, 1.....Portland
- Samuel, Leo, Bi, 4.....Portland
- Sanders, Kathleen Harriett, J, 1.....Portland
- Sanford, George B., J, 2.....Omaha, Neb.
- Saslavsky, Joseph, J, 2.....Portland
- Satterfield, Katherine, Eng, 4.....Portland
- Saunders, Donald Hubert, Ch, 3.....Eugene
- Sawyer, Grace S., Eng, 4.....Bend
- Scales, Kenneth John, Bi, 4.....Sandy
- Schacht, Helen, AA, 1.....Portland
- Schaefer, Mary Augusta, J, 3.....Pendleton
- Schaefers, Evelyn Rose, LL, 1.....Eugene
- Schaefers, Margaret Leona, SSc, 1.....Eugene
- Schaefers, Marjorie Anne, a.....Eugene
- Schafer, Frederick Abbott, AA, 3.....Madison, Wis.
- Schaffer, Nellie, PE, 3.....Eugene
- Scharpf, Lois Evelyn, LL, 2.....Eugene
- Schatz, Bertram, PL, 1.....Portland
- Schedeen, Lorna P., AS, 2.....Gresham
- Schenk, George Anthony, BAd, 1.....Portland
- Schenk, Harry S., J, 4.....Portland
- Schink, Carolyn Louise, Mus, 1.....Portland
- Schlessler, Edward Elsworth, BAd, 2.....Portland
- Schleuning, Siegfried John, Bi, 3.....Portland
- Schmeer, Millard Homer, AA, 4.....Portland
- Schmidt, Alired H., Bi, 3.....Portland
- Schmidt, Evelyn Martha, LL, 1.....Portland
- Schmiedeskamp, Edith B., LL, 2.....Portland
- Schnabel, Irwin Daniel, PT, 1.....Fresno, Calif.
- Schneider, Al, L, 1.....Portland
- Schneider, Sol, Bi, 3.....Portland
- Schnellbasher, Mae, BAd, 1.....Eugene
- Schoch, Jack Lincoln, L, 1.....New Ulm, Minn.
- Schodey, Jennie G., Ed, 4.....Scappoose
- Schomp, Ralph Savage, AA, 1.....Salem
- Schreiber, Robert Louis, BAd, 2.....Eugene
- Schultz, Irvin Frank, SSc, 2.....Drewsey
- Schuntesen, Marie, Eng, 3.....Rainier
- Schwabauer, Allen, BAd, 2.....Pendleton
- Schweiker, Edward Cornish, BAd, 2.....Portland
- Schwitzer, Eva Gertrude, AS, 2.....Twin Falls, Idaho
- Scott, Gerald Gordon, AA, 1.....Seattle, Wash.
- Seoville, Ellis Seymour, L, 3.....Eugene
- Scruggs, Helen Katherine, AS, 1.....Portland
- Scruggs, Mary Elizabeth, LL, 2.....Portland
- Seale, Alfred, SSc, 2.....Palo Alto, Calif.
- Sears, Fred P., PE, 2.....Gresham
- Seashore, Sig, L, 1.....Eugene
- Seavey, Hazel Harriett, Eng, 3.....Eugene
- Seavey, Holly Sam, BAd, 2.....Eugene
- Sehorn, Jay W., J, 4.....Willows, Calif.
- Sellon, Maude Brattain, BAd, 2.....Eugene
- Sersanous, Ellen Marie, AA, 3.....Portland
- Sessine, Leon Victor, PhS, 1.....Portland
- Setters, Robert Meredith, BSc, 1.....Portland
- Shane, Marjorie, LL, 2.....Portland
- Shaneman, Roy Milton, BAd, 2.....Tacoma, Wash.
- Shaner, Evelyn Barbara, LL, 2.....Portland
- Shannon, Wilber Aubrey, BAd, 4.....Lakeview
- Shaw, Margaret Mackintosh, BSc, 1.....San Francisco, Calif.
- Shaw, Thornton Knight, Ec, 4.....Tacoma, Wash.

- Shawcross, Trebor Carl, L, 1.....Portland
 Shea, Charles A., SSc, 1.....Portland
 Shea, William Francis, BSc, 1.....Portland
 Sheard, Ray Horace, PL, 1.....Klamath Falls
 Shearer, Richard Albert, BSc, 1.....Portland
 Sheedy, Roy Herman, J, 4.....Portland
 Sheeley, Eleanor Catherine, LL, 2.....Portland
 Sheeley, Neil R., L, 1.....Portland
 Sheldon, Marion, Ed, 1.....Eugene
 Shell, Thornton R., BAd, 4.....Wallowa
 Shenk, Hope, Eng, 4.....Eugene
 Shenk, Samuel Custer, BAd, 2.....Los Altos, Calif.
 Shepard, Kathleen, AS, 2.....Eugene
 Shephardson, Oral Franklin, PE, 2.....Eugene
 Shepherd, William K., PL, 1.....Portland
 Sherman, Dorothy Marie, Bsr, 4.....Eugene
 Sherman, Ladd E., LL, 2.....Portland
 Sherrard, Patricia, Mus, 1.....Palo Alto, Calif.
 Sheuman, Clay, LL, 1.....Oakland, Calif.
 Shields, Lloyd Elmer, Ed, 1.....Long Creek
 Shields, Mildred Lucile, LL, 2.....Portland
 Shillock, Max M., BAd, 2.....Portland
 Shimanek, Charles Francis, L, 3.....Eugene
 Shimanek, Tillie Catherine, LL, 2.....Eugene
 Shingle, Helen Elizabeth, Ed, 2.....San Francisco, Calif.
 Shive, Helen Claire, Mus, 1.....Klamath Falls
 Shoemaker, Charles Richard, Eng, 3.....Phoenix, Ariz.
 Shoemaker, Vernal P., Bi, 4.....Elgin
 Shoemsmith, Mark Victor, SSc, 2.....Salem
 Short, Ellis Keefe, L, 1.....Portland
 Short, Faulkner A., Bi, 4.....Portland
 Short, Hal E., J, 2.....Astoria
 Shulim, John Ivar, Hst, 3.....Portland
 Shumate, Wm. Alton, AA, 2.....Bandon
 Siegfried, Burt G., SSc, 2.....Los Angeles, Calif.
 Sigmund, Donald C., BSc, 2.....Salem
 Sigmund, Louis N., PhS, 1.....Salem
 Sieverkrupp, John Malvern, BAd, 2.....Hood River
 Sievers, William Bryan, Mus, 4.....Portland
 Sigwart, Dee D., a.....Eugene
 Sigville, Beth, Mus, 1.....Eugene
 Simmons, Herb. Melvern, BAd, 2.....Eugene
 Simon, Beatrice Gertrude, AA, 3.....Eugene
 Simon, Gladys Elizabeth, BSc, 2.....Eugene
 Simons, Inez Hazel, Eng, 4.....Eugene
 Simons, Rose, Mus, 4.....Eugene
 Simonsen, Janet Dorothy, PL, 1.....San Francisco, Calif.
 Simpson, Edward Holbrook, SSc, 1.....Eugene
 Simpson, Joe Pain, SSc, 2.....Eugene
 Sinclair, Richard E., SSc, 1.....Hood River
 Sinnamon, Dorothy Edith, Soc, 3.....Portland
 Sisler, Paul Dwight, Eng, 4.....Eugene
 Sister Bernadette Eberle, Ed, 4.....Mt. Angel
 Sister Gregory Kelly, Ed, 4.....Mt. Angel
 Sister Madelene Wilde, Ed, 4.....Mt. Angel
 Sister Mary Norberta (Ward Agatha), Ch, 4
 Oswego
 Sister Mildred Clague, Ed, 4.....Mt. Angel
 Sister Victoria Keber, Mus, 3.....Mt. Angel
 Skalet, Herbert O., PL, 1.....St. Anthony, Idaho
 Skeie, Lucille Jane, Mus, 2.....Eugene
 Skelley, Eleanor Teasdale, AA, 1.....Portland
 Skene, Jean Dona, AA, 2.....Eugene
 Skipworth, Helen Grace, Eng, 3.....Eugene
 Slauson, Margaret H., LL, 2.....Sacramento, Calif.
 Sleeper, Merle Lawton, PL, 1.....Portland
 Sleeter, Robert William, BSc, 2.....Medford
 Sloat, Clark Jeanette, LL, 2.....Portland
 Slocum, Kelsey, L, 1.....Hood River
 Slocum, Evelyn Rachel, SSc, 2.....Eugene
 Sly, Estol Verna, LL, 2.....Eugene
 Smedberg, John Henry, PL, 1.....Gold Beach
 Smigley, Cleo Delno, BAd, 1.....Eugene
 Smith, Carlisle, PhS, 1.....Hood River
 Smith, Charles U., BAd, 1.....Junction City
 Smith, Curtis Charles, BAd, 2.....Seaside
 Smith, Edgar Leslie, BAd, 3.....Portland
 Smith, Elbert George, PhS, 1.....Cottage Grove
 Smith, Elsa, Eng, 4.....Portland
 Smith, Elston Arthur, PE, 1.....Sweet Home
 Smith, Eunice Mae, Ed, 4.....Salem
 Smith, Genevieve Claudia, AA, 2.....Tillamook
 Smith, Hal C., PL, 1.....Eugene
 Smith, Harriet Elizabeth, LL, 1.....Ashland
 Smith, Harry Charles, Bi, 3.....Eugene
 Smith, James Pickering, BAd, 2.....Portland
 Smith, Jean Heter, AA, 1.....Walville, Wash.
 Smith, LaMyra Jeffords, a.....Portland
 Smith, LeRoy Edward, PhS, 2.....Eugene
 Smith, Lillian Cornelia, PhS, 1.....Portland
 Smith, Louise, LL, 2.....Portland
 Smith, Lysle Clifton, PL, 2.....Reedsport
 Smith, Milton Luedke, Ed, 2.....Roseburg
 Smith, Phyllis Leone, Ed, 4.....Grass Valley
 Smith, Robert Claire, PhS, 1.....Eugene
 Smith, Roberta Ellen, AA, 3.....Sacramento, Calif.
 Smith, Rose Kathleen, PE, 3.....Mill City
 Smith, Ross Alex, SSc, 1.....St. Paul, Minn.
 Smith, Ruth Ann, AA, 1.....Portland
 Smith, Ruth Marie, LL, 2.....Portland
 Smith, Shirley E., BAd, 2.....Portland
 Smith, Sidney Albert, BAd, 3.....Oroville, Calif.
 Smith, Stephanie, AA, 1.....Seattle, Wash.
 Smith, Sylvanus, L, 3.....Stanfield
 Smith, Virginia Olds, Eng, 4.....Portland
 Smith, Wells Bryson, Ec, 4.....Portland
 Smith, William Fremont, Ec, 4.....Portland
 Smolnisky, Verna A., BAd, 4.....Hubbard
 Snider, M. Madolyn, Eng, 4.....Portland
 Snider, Mary Elizabeth, BAd, 2.....Medford
 Snow, Vera, PE, 4.....San Jose, Calif.
 Soasey, Nelda Arlene, Mus, 1.....Eugene
 Sohn, Wilbur D., AA, 4.....Portland
 Soleim, Knute, PhS, 1.....Eugene
 Solum, Evelyn Genevieve, BAd, 3.....Silverton
 Somers, Richard Audron, BAd, 2.....Yocaiapa, Calif.
 Sorensen, Floris Catherine, PS, 4.....Sisters
 Sorensen, Rex Marten, AA, 4.....Philomath
 Southwell, Schuyler Atwood, AA, 4.....San Clemente, Calif.
 Soverns, Mabel Leane, BSc, 2.....Eugene
 Spain, Harrison Milburn, BAd, 3.....Portland
 Spann, Dee, PE, 1.....Gold Beach
 Spicer, Roberta Ruth, Mus, 1.....Eugene
 Spittle, John W., AA, 2.....Astoria
 Sprague, Carlyle, J, 1.....Seahurst Park, Wash.
 Sprague, George Alden, PhS, 2.....Klamath Falls
 Sprague, Margaret Jewell, LL, 2.....Eugene
 Sprau, Morrell Talbert, SSc, 2.....Portland
 Spreen, Christian A., Ed, 3.....Portland
 Springer, Ruth Peterson, Ed, 4.....Philomath
 Spurlock, Clark, J, 2.....Eugene
 Staats, Phillip, Bi, 4.....Dallas
 Stadden, Emma Bell, Ed, 3.....Marshfield
 Stadter, Freda J., Mus, 2.....Portland
 Stafford, Miriam, Bi, 3.....Eugene
 Stafford, Virginia, AA, 2.....Eugene
 Stager, George A., Ed, 4.....La Grande
 Stahl, George Homer, BAd, 2.....Portland
 Stahl, Goplund, Ec, 2.....Portland
 Stamps, Doris Pauline, Phl, 3.....Glendale, Calif.
 Staniford, Joseph Warren, AA, 3.....Eugene

- Stanley, Edward Joseph, J. 2...Aberdeen, Wash.
- Stanley, Leslie Herbert, J. 1...Mattawamkeag, Me.
- Stanton, Helen Lee, SSc, 2...Portland
- Stark, Douglas U., BA, 1...Sutherfin
- Stark, Gerald Edward, BSc, 2...Portland
- Starr, Gene Clare, SSc, 1...Portland
- Starr, Robert A., J. 1...Eugene
- Starr, Paul H., BA, 3...Portland
- Staten, Eleanor Emmitt, BSc, 2...Eugene
- Staton, Robert Wallace, PL, 2...Eugene
- Stauffer, Maurice Durand, BSc, 2...Eugene
- Staver, Frederick Lee, LL, 2...Portland
- Stearns, Elwin Clair, AA, 1...Eugene
- Steele, Jessie Laurence, L. 1...Eugene
- Steeple, Dorothy E., Eng, 3...San Mateo, Calif.
- Stehn, Maude Helen, Mus, 4...Eugene
- Stehn, Robert F., BA, 4...Eugene
- Steh, Howard John, PL, 1...Milwaukie
- Stein, Louise Ida, J. 1...Portland
- Steinmetz, Wesley Paul, SSc, 2...Portland
- Sten, Aimee Vivian, Mus, 3...St. Helens
- Stenshoel, Ralph, BA, 4...Eugene
- Stephens, Jessie Elcu, Soc, 4...Portland
- Stevens, Jack Vanderpool, L. 1...Dufur
- Stevens, Kermit Douglas, Ec, 4...Eugene
- Stevens, Lewis Bradley, LL, 2...Portland
- Stevens, Robert John, LL, 2...Portland
- Stevens, Robert Theodore, BA, 2...Portland
- Stevenson, Donald William, PhS, 2...Portland
- Stevenson, Elinor, PhS, 1...Portland
- Stevenson, Mary Margaret, AA, 2...Eugene
- Stewart, Lucille Betty, BA, 1...Eugene
- Stewart, Marceil Ione, Eng, 3...Portland
- Stewart, Mary Kathryn, LL, 1...Portland
- Stewart, Ray Lawrence, AA, 1...Eugene
- Stewer, Elisabeth, PL, 2...Portland
- Stickney, Cyril Walter, BA, 1...Aloha
- Stringer, Helen Julieta, J. 1...Portland
- Stipe, Jack Heran, SSc, 2...Portland
- Stocker, Clifford Alvin, PhS, 2...Parkdale
- Stocker, George Hender, BA, 3...Spokane, Wash.
- Stocklen, Charles, L. 1...Portland
- Stoehr, Alfred Eugene, SSc, 2...Medford
- Stoffer, Warren Edwin, BA, 2...Eugene
- Stoker, Phyllis, AA, 2...Bucoda, Wash.
- Stoll, Joseph William, Ec, 4...Marshfield
- Stone, LaVerne, AA, 3...Eugene
- Story, Katherine, SSc, 1...Portland
- Stout, Donald Clarence, BSc, 1...Portland
- Strain, Elizabeth Gordon, Eng, 4...Palo Alto, Calif.
- Stranix, Robert, BA, 1...Silverton
- Street, Robert Platt, BA, 1...Portland
- Strom, Iris Yvonne, LL, 1...Portland
- Strong, Clarence Wesley, Ch, 3...Eugene
- Struve, Evelyn Lavelle, Ger, 4...Pendleton
- Stryther, Charles T., BSc, 2...Independence
- Stuart, Crystal Allison, LL, 2...Maupin
- Stuarts, Edward Paul, L. 3...Gresham
- Sturgis, Francis E., L. 3...Brooks
- Su, Chiur Po, L. 3...Eugene
- Sullivan, Francis Earl, PE, 2...Eugene
- Sullivan, Paul James, BA, 1...Portland
- Summers, John C., BA, 2...Lebanon
- Summers, O. Harold, BA, 1...Portland
- Suomela, Nancy Matilda, SSc, 2...Portland
- Sutherland, Charles Reed, PhS, 2...Eugene
- Sutton, Maud Forbes, LL, 2...San Francisco, Calif.
- Sutton, Rocena, AA, 3...Tacoma, Wash.
- Swafford, Marjorie Florence, Eng, 3...Oregon City
- Swain, Rita Colleen, LL, 2...Burns
- Swan, Kenneth Carl, Bi, 3...Portland
- Swan, Nelliebell, a...Eugene
- Swanson, Charles Hughes, BA, 2...Aberdeen, Wash.
- Swanton, Daisy Camilla, Eng, 3...Eugene
- Swanton, T. G. Bennett, L. 1...Eugene
- Swanton, Violet, Mus, 4...Eugene
- Swanze, Frank Miller, L. 1...Hermiston
- Sweeney, Margaret, Mus, 2...Portland
- Swenson, J. Alfred, L. 2...Turlock, Calif.
- Swenson, Karl Reed, BSc, 1...Portland
- Swenson, Merrill Maynard, J., 3...Turlock, Calif.
- Swisher, Dorothy Alice, AS, 4...Portland
- Sylvester, Shirley Carolyn, J. 3...Silverton
- Talbot, John Mayo, BSc, 1...Portland
- Talcott, Harriet M., BA, 2...Caldwell, Idaho
- Talcott, Valeria A., Eng, 3...Caldwell, Idaho
- Tang, Wu, L. 3...Eugene
- Tanner, Ben Frederick, PhS, 2...Portland
- Tarbell, Marguerite, BA, 3...Portland
- Tatro, Neville May, LL, 2...Lakeview
- Taylor, Alfred, Bi, 4...Eugene
- Taylor, Charles Samuel, PhS, 1...Central Point
- Taylor, Howard Baughman, BSc, 1...Springfield
- Taylor, Jack Edward, J. 1...Eugene
- Taylor, Katherine V., LL, 1...Portland
- Tepe, Dorothy May, Hst, 4...Portland
- Teitelbaum, Alice C., LL, 1...Hollywood, Calif.
- Telford, Wallace Maxwell, BA, 2...Boring
- Temple, Margaret, AA, 1...Eugene
- Temple, Mark V., PE, 2...Pendleton
- Templeton, Helen, LL, 1...Seattle, Wash.
- Tennant, Florence F., PE, 4...Longview, Wash.
- Teresi, Mary Rose, BA, 3...Portland
- Tergeson, Ralph Siguarth, PE, 1...Helix
- Terrell, Lillian, Ed, 3...Eugene
- Terrill, Lucile Margaret, PhS, 4...Eugene
- Thacher, Janet B., J.L., 2...Eugene
- Thayer, Margery Adams, SSc, 2...Eugene
- Thayer, Stella M., J., S...Eugene
- Theda, Harold C., BA, 2...Eugene
- Thibault, Wilbur, J., 2...Portland
- Thielsen, Nancy, Mus, 4...Salem
- Thienes, Ethel, PE, 2...Springfield
- Thirlwell, Alida Christine, a...Eugene
- Thom, Delmar Edward, BA, 2...Eugene
- Thomas, Beth, Mus, 3...Powers
- Thomas, Charles Mortinsen, PL, 2...Salem
- Thomas, Clarence Mark, BA, 2...Palo Alto, Calif.
- Thomas, Dorothy Irma, AA, 2...Portland
- Thomas, Edward, PhS, 1...Oakland, Calif.
- Thomas, Halliene Louise, LL, 1...Marshfield
- Thomas, Phoebe, LL, 1...Palo Alto, Calif.
- Thomas, Ralph S., PL, 1...Salem
- Thompson, Annette Josephine, SSc, 2...Eugene
- Thompson, Avery Wallace, L. 3...Salem
- Thompson, Carl Robert, J. 2...Eugene
- Thompson, Don Hobbs, BSc, 1...Portland
- Thompson, Donald McLean, BA, 1...Del Monte, Calif.
- Thompson, Elmer Benjamin, Ch, 4...Eugene
- Thompson, Harlan McBain, PL, 2...Sacramento, Calif.
- Thompson, Harvey, BA, 1...Portland
- Thompson, Mabel, SSc, 2...Portland
- Thompson, Milton E., BA, 2...Astoria
- Thompson, Nancy Virginia, LL, 2...Eugene
- Thompson, Neva Lois, Mus, 3...Portland
- Thompson, Orval J., PL, 1...Shedd
- Thompson, Richard Burns, BSc, 1...Eugene
- Thompson, Thomas Thornton, PhS, 1...Oakland, Calif.
- Thomson, Clarke, PE, 1...Silverton
- Thomson, Carl William, PL, 1...Heppner

- Thomson, C. Ellis, Ed, 4.....Heppner
 Thrift, Hamilton, BAd, 1.....Bandon
 Thurmel, Grant Fred, BAd, 1.....Portland
 Thurston, Edward M., BAd, 4.....Eugene
 Thurston, Eleanor, BSc, 2.....Portland
 Tibbetts, Zulieme Grace, Soc, 3.....Yoncalla
 Tichenor, Earle William, SSc, 1.....Portland
 Tilton, Richard M., BAd, 2.....Tacoma, Wash.
 Tinker, Warren K., J, 2.....Eugene
 Tinkham, Russell John, AA, 2.....Portland
 Todd, Charles Farrand, BAd, 2.....Oakland,
 Calif.
 Toft, Ivan J., Ec, 4.....Eugene
 Tollefson, R. Merland, AA, 2.....Central Point
 Tomlinson, Thelma Lucille, AS, 2.....Hood
 River
 Tongue, Dorothy Grace, Eng, 4.....Hillsboro
 Tongue, E. Burke, PL, 1.....Hillsboro
 Tongue, Thomas H., PL, 2.....Hillsboro
 Totton, David, BAd, 4.....Klamath Falls
 Totton, William Hubert, J, 2.....Klamath
 Falls
 Tower, Ellen, LL, 2.....Salem
 Townsend, Paul C., AA, 2.....Eugene
 Tracey, James J., BSc, 2.....Los Angeles,
 Calif.
 Tracy, Isabel Katherine, AA, 3.....Clare-
 mont, Calif.
 Travess, Enid Amy, LL, 1.....Springfield
 Travess, Mabel Evelson, AS, 1.....Eugene
 Travis, James Linn, L, 1.....Portland
 Trimble, Carolyn Virginia, LL, 2.....Portland
 Trimm, Bob Wheeler, BAd, 2.....Glendale,
 Calif.
 Trout, Harvey Arvin, Ch, 3.....Oregon City
 Trout, Vida Leona, BSc, 2.....Oregon City
 Tse, Pearl S., AA, S.....Eugene
 Tucker, Barbara Elizabeth, Ed, 3.....Aber-
 deen, Wash.
 Tucker, Eric J., PE, 1.....Tillamook
 Tugman, Robert Cameron, PhS, 1.....Eugene
 Tulloch, Muriel Anabel, J, 1.....Pendleton
 Turley, Gladys L., AS, 4.....Portland
 Turner, George J., PL, 2.....Portland
 Turner, Jeanette Lorene, Mus, 1.....Heppner
 Turner, Mary Geneva, SSc, 2.....Portland
 Turner, Nancy Northup, RL, 4.....Portland
 Turner, Robert Velouris, Ph, 4.....Heppner
 Tutt, Esther Ruth, Geo, 4.....Lexington, Ky.
 Tuttle, H. Dean, AA, 3.....Eugene
 Tye, Alma Florence, Ed, 1.....Eugene
 Tynan, James Jean, PL, 1.....Roseburg
 Tynan, Margaret Alice, AS, 3.....Portland
 Ulen, Charlotte Adele, Ed, 3.....Lewiston,
 Idaho
 Ulrich, Ardis M., BAd, 3.....Portland
 Untermann, Elaine C., PhS, 1.....Honolulu,
 T. H.
 Utter, Louise G., AA, 2.....Eugene
 Vail, Kenneth G., PE, 2.....Portland
 Valentin, Walter L., BAd, 2.....Eugene
 Valentine, Helen M., LL, 2.....Lexington
 Vance, George F., SSc, 1.....Seattle, Wash.
 Van Cleve, Eugenia, AA, 4.....Exeter, Calif.
 Van Dellen, Frances A., SSc, 2.....The Dalles
 Van Dine, Charles A., BAd, 2.....Eugene
 Van Dine, Ruth, LL, 2.....Eugene
 Van Dine, W. Harry, J, 4.....Eugene
 Van Kirk, Virginia, LL, 1.....Portland
 Vannice, Louis E., SSc, 2.....Grants Pass
 Van Nice, Robert L., AA, 3.....Portland
 Van Norden, Helen E., a.....Eugene
 Van Scoyoc, Marian, Eng, 4.....Medford
 Van Vactor, Sam A., L, 3.....The Dalles
 Varian, Anna M., AS, 2.....Portland
 Vaughan, George H., BAd, 2.....North Bend
 Vaughan, Jack J., PL, 2.....Baker
 Veatch, Wanda S., AS, 2.....Halsey
 Veness, Margaret E., J, 1.....Portland
 Venstug, Claus Marion, BAd, 1.....Portland
 Vernon, John P., J, 1.....Eugene
 Vest, Peggy E., J, 1.....Ontario
 Vincent, Mary, AA, 1.....Piedmont, Calif.
 Vinnedge, Jane D., LL, 1.....North Bend,
 Wash.
 Vinson, Marion, PE, 2.....Cottage Grove
 Visse, Harry C., BAd, 3.....Pomona, Calif.
 Vitou, Benjamin W., Bi, 3.....Portland
 Voegtly, Robert W., BAd, 2.....Burns
 Voelker, Helen, Bi, 4.....Corvallis
 Vogt, Maxine A., LL, 2.....The Dalles
 Von Berthelsdorf, Siegfried R., BSc, 2.....
 Klamath Falls
 Vonderheit, Otto F., BAd, 2.....Portland
 Vose, Lowell A., BSc, 1.....Oswego
 Vreeland, Mary, J, 2.....Portland
 Wade, Dorothy S., J, 4.....Eugene
 Wade, Jack, PL, 1.....Bandon
 Wade, John C., BAd, 3.....Portland
 Waffle, Clara J., LL, 1.....Astoria
 Wagner, Carl H., AA, 1.....Springfield
 Wagner, Franz E., L, 3.....Eugene
 Wagner, Margaret A., LL, 2.....Salem
 Wagner, Paul, BAd, 2.....Salem
 Wagner, Robert J., PE, 1.....Helix
 Wagner, Wilfred M., AA, 4.....Ashland
 Wamscott, Bernice M., PE, 2.....Roseburg
 Walden, Bobbie D., PhS, 2.....Eugene
 Walkem, Ivy G., PE, 2.....Portland
 Walker, Bruce L., BAd, 3.....McMinnville
 Walker, Glen E., LL, 2.....Salem
 Walker, Sibyl T., AS, 2.....Creswell
 Walker, Wilbur A., Phl, 3.....Oakridge
 Wall, Edward C., Bi, 4.....Eugene
 Wallace, Helen A., PS, 4.....Bellingham,
 Wash.
 Waller, Frank L., BSc, 1.....Portland
 Wallmann, George Rudolph, Jr., AA, 4.....
 Portland
 Wallsinger, Richard C., BAd, 2.....Alicel
 Walc, Bernice Emalyn, LL, 1.....Astoria
 Walsh, Joe, PE, 1.....Eugene
 Walstrom, C. Ralph, BSc, 2.....Portland
 Walstrom, Margaret, BAd, 4.....Bandon
 Walters, Violet, Eng, 3.....Bend
 Walton, Richard E., BAd, 1.....Everett, Wash.
 Ward, Harry A., BAd, 1.....Camina, Calif.
 Warner, Jacquelyn H., Eng, 3.....Marshfield
 Warner, Marjorie M., J, 2.....Portland
 Warner, Mary Jean, BAd, 2.....Albany
 Warren, Ruth C., Eng, 4.....Portland
 Washburn, Lee, AA, S.....Eugene
 Waters, Scott H., BAd, 1.....Portland
 Watkins, Charles O., PhS, 2.....Sutherlin
 Watkins, Rolland T., Ed, 3.....Monmouth
 Watson, Carroll D., BAd, 4.....Trail
 Watson, Catherine A., LL, 2.....Portland
 Watson, Samuel M., BAd, 2.....Eugene
 Watts, Donald A., SSc, 2.....Eugene
 Watts, Hanna Sue, BAd, 1.....Portland
 Watts, Holbrook R., LL, 2.....Portland
 Watts, James K., PE, 2.....Eugene
 Webb, Carl C., J, 4.....Eugene
 Webber, Charles M., PL, 2.....Eugene
 Webber, Louise, Eng, 3.....Portland
 Weber, Lucille, Soc, 4.....Yakima, Wash.
 Weber, Warren R., AA, 2.....Portland
 Webster, Catherine, AS, 2.....Portland
 Wedemeyer, Alice D., BAd, 2.....Portland
 Weed, Donald, PL, 2.....Condon
 Weed, James E., PL, 1.....Portland
 Weed, Margaret L., BAd, 1.....Portland
 Weisman, Frederick R., SSc, 2.....Los An-
 geles, Calif.
 Weisman, Harry E., PL, 1.....Klamath Falls
 Weiss, Erna S., LL, 1.....Portland
 Weiss, Lewis M., BAd, 3.....Long Beach, Calif.
 Weiss, Maurice S., PL, 2.....Hollywood, Calif.

Weitz, Marion G., PE, 3.....Eugene
 Welch, Harvey G., LL, 2.....Portland
 Welch, John D., BSc, 1.....Portland
 Wellington, Gilbert A., SSc, 1.....Portland
 Wellnitz, John E., PL, 1.....Eugene
 Wells, Edward T., BAd, 2.....Eugene
 Wells, James M., PL, 1.....Hillsboro
 Welsh, William E., BAd, 2.....Los Angeles,
 Calif.
 Wendell, Lucy A., AA, 1.....Eugene
 Wentz, Clayton, PJ, 1.....Portland
 Wentz, Virginia, J, 3.....Portland
 Weruham, Jay H., LL, S.....Eugene
 Werth, Cecilia S., Mus, 1.....North Bend
 West, Graham W., BAd, 2.....Portland
 West, Jack, BAd, 1.....Albany, Calif.
 West, Willis A., T, 2.....Warrenton
 Westenher, Charles L., SSc, 2.....Eugene
 Weststrom, Louise K., LL, 2.....Portland
 Wetterstrom, Margaret E., AA, S.....Eugene
 Wetterstrom, Marie E., BAd, 1.....Eugene
 Wetzal, Maisie V., AS, 2.....Eugene
 Wharton, Eleanor A., LL, 1.....Portland
 Wheat, Courtney T., BAd, 2.....Eugene
 Wheatley, Marjorie H., SSc, 2.....Seaside
 Wheeler, Earl J., BAd, 1.....Eugene
 Wheeler, Elaine M., Eng, 4.....Eugene
 Wheeler, Gwendolyn E., J, 2.....Spokane,
 Wash.
 Wheeler, Virginia B., BAd, 2.....Eugene
 Wheeler, William R., BAd, 1.....Portland
 White, Charles B., BSc, 2.....Alameda, Calif.
 White, Donald V., BAd, 1.....Multnomah
 White, Ora B., PhS, 1.....Salem
 White, Thomas J., PL, 2.....Portland
 White, William T., BAd, 2.....San Fran-
 cisco, Calif.
 Whiteside, Paul R., SSc, S.....Portland
 Whitesmith, Jean I., Eng, 3.....Eugene
 Whitfield, Mary Lucille, LL, 2.....Portland
 Whisman, George E., BSc, 2.....Klamath Falls
 Whitmer, Edna M., Mus, 2.....Portland
 Whitney, Mary F., LL, 1.....Walla Walla,
 Wash.
 Whitson, Betty, Eng, 4.....Boise, Idaho
 Whittaker, Maurice E., PE, 3.....Mapleton
 Whytal, William L., J, 2.....Eugene
 Wickersham, Margaret, Mus, 1.....Portland
 Wickham, Stanley F., SSc, S.....Medford
 Wicks, Walter W., Ed, 2.....Wendling
 Wight, Douglas C., SSc, 2.....Dayton
 Wilburn, Mary A., PE, 4.....Walterville
 Wilcox, Lina, Ed, 3.....Lakeview
 Wiley, Jack, Jr., SSc, S.....Placerville, Calif.
 Wilhelm, Marjorie C., Eng, 4.....Eugene
 Wilke, Frank E., AA, 3.....Berkeley, Calif.
 Wilkins, Henry H., SSc, 1.....San Francisco,
 Calif.
 Wilkinson, Malcolm W., L, 3.....The Dalles
 Will, George E., Ec, 4.....Portland
 Williams, Audrey A., LL, 1.....Multnomah
 Williams, Clark C., BAd, 2.....Portland
 Williams, Dorothy H., J, 1.....Rosalia, Wash.
 Williams, Elizabeth, BAd, 2.....Portland
 Williams, Hugh L., BAd, 2.....Portland
 Williams, Martha, AA, 1.....Portland
 Williams, Ralph E., BAd, 1.....Portland
 Williams, Rose F., BAd, 4.....Portland
 Williams, Stanley S., BSc, 1.....Wolf Creek
 Williams, Thomas L., PL, 1.....Salem
 Williams, Vivian, PE, 2.....Roseburg
 Williamson, Walter T., SSc, 2.....Portland
 Willis, Marshall L., BSc, 2.....Portland
 Wilnot, Wilbur G., Ph, 4.....Eugene
 Wilson, Anabel F., Mus, 3.....Eugene
 Wilson, Betty R., Mus, 1.....Eugene
 Wilson, David G., Jr., J, 3.....Portland

Wilson, Elberta, AA, 2.....Eugene
 Wilson, Frances A., PhS, 1.....Marshfield
 Wilson, George W., PE, 1.....Kent
 Wilson, Helen L., LL, 1.....Eugene
 Wilson, Ho Will, PL, 2.....Portland
 Wilson, Irene M., PhS, 1.....Eugene
 Wilson, Jay Russell, BAd, 2.....Portland
 Wilson, John H., J, 2.....Springfield
 Wilson, Kenneth, SSc, 2.....Eugene
 Wilson, Margaret R., LL, 2.....Salem
 Wilson, Max Keith, PJ, 1.....Joseph
 Wilson, Orville R., PJ, 2.....Medford
 Wilson, Wilberta O., Mus, 1.....Cottage
 Grove
 Wiltshire, Lyman L., PhS, 2.....Portland
 Windes, Lester J., PhS, 1.....Glendale
 Winestone, Edith, PhS, 4.....Portland
 Wingard, Lawrence S., BAd, 3.....Eugene
 Winkler, Winifred A., Mus, 4.....Portland
 Winslow, Gertrude, LL, 2.....Salem
 Winslow, Norman K., PL, 2.....Salem
 Winstead, Robert L., LL, 1.....Eugene
 Winter, Laurence E., PE, 4.....Eugene
 Wintermeier, Gretchen, LL, 2.....Eugene
 Wintermeier, Ward W., L, 1.....Eugene
 Wiscarson, Vernon H., BAd, 4.....Eugene
 Wiseman, Josephine, a.....Cottage Grove
 Wishard, Charles P., PE, 2.....Eugene
 Witchel, Frances M., BAd, 2.....Portland
 Witcher, Dorothy M., LL, 1.....Cottage
 Grove
 Witham, Clarice V., BAd, 4.....Paisley
 Withers, Dorothy J., LL, 2.....Springfield
 Witt, Zelia E., Mus, 1.....Walla Walla, Wash.
 Wittnebel, Ted H., BAd, S.....Houlton
 Wold, Eldrid A., LL, 2.....North Bend
 Wold, Phyllis A., LL, 2.....North Bend
 Wolfe, Alfred S., Bi, 3.....Portland
 Wood, Jack W., J, 2.....Portland
 Wood, Maurice, Psy, 4.....Salem
 Wood, Raymond G., L, 3.....Brookings
 Woodard, Chloethiel B., AA, 4.....Portland
 Woodin, Charles W., BAd, 4.....Eugene
 Woodin, Eldon F., BAd, 2.....Eugene
 Woodruff, Ray A., PhS, 2.....Harbor
 Woodson, Alice A., Mus, 4.....Eugene
 Woodworth, Margaret E., LL, 1.....Newberg
 Woolsey, Kathryn J., BSc, 1.....Eugene
 Worden, Ruth J., LL, 1.....Eugene
 Workman, Neva K., Ed, S.....Marcola
 Wright, Elizabeth, LL, 2.....Portland
 Wright, Marshall F., PL, 2.....Honolulu, T. H.
 Wynd, Beulah L., Mus, 2.....Eugene
 Yeon, Alan E., AA, 1.....Portland
 Yerkovich, John, L, 2.....Portland
 York, Duncan W., Bi, 3.....Beaverton
 York, Rhoeon M., AA, 2.....Eugene
 Young, Andrew D., AA, S.....Medford
 Young, Janet L., J, 3.....Portland
 Young, John, BAd, 2.....Portland
 Young, Juanita O., PE, 4.....Portland
 Young, Mildred C., Mus, S.....Eugene
 Young, Orville A., BAd, 2.....Portland
 Younger, Bruce H., BAd, 2.....Berkeley,
 Calif.
 Younger, Florine F., a.....Eugene
 Younger, Millard V., PL, 2.....Medford
 Yurri, Antone, PL, 1.....Jordan Valley
 Yurri, Louis J., BAd, 1.....Jordan Valley
 Zaragoz, Pedro Aguilar, Ed, 1.....Eugene
 Zehuthauer, John A., BAd, 1.....Portland
 Zellec, Magdalin M., LL, 2.....Portland
 Zentner, Betty, SSc, 1.....Bandon
 Zinjker, Pauline C., Eng, 3.....Eugene
 Zinsler, Norma B., Mus, 1.....Coburg
 Zurcher, Robert L., SSc, 1.....Portland
 Zwanck, Hermine M., LL, 2.....Portland

SUMMER SESSION 1931

Graduate and Undergraduate

Achterman, Margaret Elizabeth.....	Eugene	Braden, Marabel.....	Lebanon
Ackerson, Justine E.....	Eugene	Bradford, Maud B.....	Grants Pass
Adams, Art M.....	Portland	Bradshaw, Frederick Oliver.....	Salem
Agee, Kathryn.....	Eugene	Breakey, Hazel.....	Bellingham, Wash.
Ager, G. W.....	Bend	Brigham, Dorothy.....	Eugene
Agosti, Alfred P.....	San Luis Obispo, Calif.	Bristol, Olson A.....	Eugene
Albert, Muriel.....	Medford	Brown, Esther.....	Drain
Aldrich, Opal C.....	LaGrande	Browne, Albert.....	Portland
Allen, Elizabeth.....	Eugene	Bruce, William James.....	Portland
Allen, John Eliot.....	Eugene	Bruce, Howard Melvin.....	Freairie City
Allen, Mrs. Lilith B.....	Baker	Bryan, C. M.....	Eugene
Altman, Eugenin S.....	Portland	Buchanan, Lovia Belle.....	Eugene
Anderson, Mrs. Alice S.....	Fresno, Calif.	Buell, W. E.....	Springfield
Anderson, Elsie M.....	Eugene	Bullock, C. H.....	Eugene
Anderson, George Edward.....	Fresno, Calif.	Burgher, Darwin Kilburn.....	Medford
Armstrong, Hubert Elmer.....	Newberg	Burkett, Mrs. Gladys R.....	Eugene
Armstrong, Mrs. Hubert E.....	Newberg	Burt, Harold N.....	Forest Grove
Arpke, Frederick.....	Eugene	Burtis, Lucile.....	Ashtland
Austen, Willard W.....	Oakridge	Bush, Elber H.....	Portland
Austin, Paul G.....	Pasadena, Calif.	Busick, Dorothy A.....	Union
Averill, Richard Lisle.....	Portland	Butler, Helen E.....	Dallas
Ayres, Mrs. Flora.....	Tangent	Byers, Orrin Dunwood.....	Rainier
Ayres, George W.....	Scio	Byers, Ruth.....	San Jose, Calif.
Ayres, Leonard H.....	Tangent	Byrnes, William H.....	Stone Lake, Wis.
Bacon, Frances.....	Bellingham, Wash.	Cameron, Mary Elizabeth.....	Portland
Bailey, Allen A.....	Eugene	Carlton, Iowa Margaret.....	Springfield
Bailor, Mrs. Edna B.....	Eugene	Carnahan, Mrs. Gladys P.....	Grand Junction, Colo.
Bain, Anita J.....	San Francisco, Calif.	Carr, Vivian F.....	Salem
Bain, Christine.....	San Francisco, Calif.	Carson, Belle.....	Oakdale, Ill.
Baker, R. Frank.....	Pasadena, Calif.	Carter, Mell E.....	Ontario
Baker, Walter F.....	Portland	Caswell, John Edward.....	Eugene
Baldwin, Laurin Burton.....	Philomath	Cavaletto, Dusalina.....	Renton, Wash.
Ball, Edwin Duncan.....	Portland	Chamberlain, F. R.....	North Plains
Ballis, Edouise.....	Portland	Chase, Emma.....	Eugene
Barber, Bessie.....	Tillamook	Chase, Gladys A.....	Eugene
Barker, Blanche Wiggins.....	Charleston	Chatburn, Thomas W.....	Merrill
Barker, William A.....	Eugene	Cherry, Beth Huston.....	Condon
Barr, Beatrice.....	Klamath Falls	Cherry, E. LeGrande.....	Condon
Barry, Mrs. Maude.....	Marshfield	Christensen, Nedra Madge.....	Eugene
Barto, Harold E.....	Shelton, Wash.	Christenson, Lorene.....	Portland
Baughman, H. T.....	Eugene	Christenson, Mrs. P. E.....	Oregon City
Baumann, Fred.....	LaGrande	Christenson, Peter Emil.....	Oregon City
Beattie, Ronald H.....	Eugene	Church, Ralph M.....	Roseburg
Beck, Lester F.....	Eugene	Clark, Genevieve A.....	Portland
Beistel, Margaret A.....	Eugene	Clark, Howard W.....	Eugene
Beitel, Clare Faye.....	Eugene	Clark, Mamie F.....	Medford
Bell, Mrs. Anne Ulen.....	Rickreall	Clark, Mary.....	Eugene
Bell, Goldie.....	Sheridan	Clasey, E. Merl.....	Eugene
Bennett, Frank Brown.....	Tillamook	Clayton, Lillian Ellen.....	Dixon, Calif.
Bergerson, Percy Norman.....	Vernonia	Clink, Alice Ellen.....	Eugene
Biddle, Ethel L.....	Eugene	Coan, Burton L.....	Portland
Bilyeu, Joan.....	Eugene	Cofer, Bernice Grace.....	Portland
Birchett, Myrtle.....	Woodburn	Cole, Sypha Josephine.....	Bellingham, Wash.
Bishop, George.....	Eugene	Coleman, Edith.....	Eugene
Blackwell, Lorayne.....	Lebanon	Confrey, Donald M.....	Portland
Blackwell, F. Myron.....	Eugene	Conkey, Ruth.....	Roseburg
Blair, Mrs. M. S.....	Portland	Connor, Ella.....	San Bernardino, Calif.
Blais, Pauline.....	Eugene	Conoly, Bernice.....	Eugene
Blom, Anna.....	Eugene	Conrad, Ralph.....	Hammond, Wis.
Bluhm, Katherine Mark.....	Portland	Cook, L. Marble.....	McMinnville
Bock, Thorwald M.....	Eugene	Cook, Netta.....	Portland
Boehme, Anna Bertha.....	Spokane, Wash.	Cooley, Irene.....	Klamath Falls
Boesen, Nina C.....	Eugene	Cooper, Harold E.....	Eugene
Boesen, Richard G.....	Merrill	Copenhaver, Lacy B.....	Portland
Bolhovitnova, Nina.....	Medford	Cramer, John Francis.....	Grants Pass
Bolin, Russell C.....	Dooley, Mont.	Cramer, Mabel O.....	Grants Pass
Bond, Frederick R.....	Eugene	Crick, Melvin H.....	Tillamook
Bonney, Bessie.....	Maupin	Cross, Thelma Dell.....	Coburg
Bonney, Clyde T.....	Sisters	Cryer, Edward G.....	Los Angeles, Calif.
Bonney, Doris.....	Maupin	Dammeter, Margaret.....	Portland
Booth, Robert P.....	Claremont, Calif.	Darby, Loraine.....	Wasco
Bordwell, Constance.....	Portland	Davis, Irvin I.....	Portland
Boushey, Earl E.....	Eugene	Davis, Lynnette.....	Eugene
Bove, J. Roy Joseph.....	Waldport	Davy, Louis B.....	Bakersville, Calif.
Bowen, Theodore Ben.....	Cowiche, Wash.	Davy, Mrs. Mathilde Ruth.....	Bakersfield, Calif.
Bowman, Eugene.....	North Powder	Dawson, Mildred Pike.....	Eugene
Boyer, Delmer Frank.....	Willamina	DeBernardi, Lily.....	Glide
Boyle, Walden P.....	Portland		
Boyles, Rac Margaret.....	Grants Pass		

Deck, Laura.....	Hillsboro	Geenty, Anne.....	Portland
Degerstedt, Frances Violet.....	Portland	Geibel, Bess.....	LaGrande
DeGood, Mildred.....	Portland	Gerrits, Joanna.....	Portland
DeGroot, Mrs. Emily M.....	Portland	Gibson, Juliette C.....	Eugene
de la Fontaine, Marie C.....	Portland	Gilbaugh, James H.....	Portland
DeLanc, J. R.....	Grants Pass	Gilbert, Frances.....	Hoquiam, Wash.
Deierlein, Gertrude M.....	Eugene	Gildez, Georgia.....	Portland
Dennett, Eugene V.....	Rickreall	Gilkey, Gordon.....	Albany
Derby, Harold Kenneth.....	McMinnville	Givens, R. M.....	Portland
Dery, Robert.....	Eugene	Gonzales, Nadean.....	Tracy, Calif.
DeWitt, Albert.....	Seaside	Good, Gaile H.....	Eugene
Dey, Dorothy.....	Harchwout, N. Y.	Good, Rachel Applegate.....	Klamath Falls
DeYoe, Helen E.....	Myrtle Point	Goodrich, Ruth S.....	Dayton
Dickerson, Ruth Ella.....	Eugene	Gould, Coter.....	Eugene
Dickey, Ruth Marion.....	Portland	Gould, Robert J.....	Medford
Dickson, Mildred F.....	Eugene	Grace, Cora.....	El Paso, Tex.
Diebel, Clarence Edward.....	Eugene	Grace, Minnie.....	El Paso, Tex.
Dixon, Homer J.....	Independence	Graham, Helena.....	Eugene
Dobbins, Mildred E.....	Portland	Grant, Marjorie M.....	Springfield
Douglas, Marguerite.....	Junction City	Gravos, Clara Amanda.....	Eugene
Downey, Margaret.....	Silcott, Wash.	Gray, Aletha.....	Gold Hill
Downing, Carcy Jo.....	Tacoma, Wash.	Greer, Virginia Leonard.....	Baker
Drill, Harry T.....	Corvallis	Gregerson, Bessie.....	Mt. Angel
Druley, Mary.....	Eugene	Griffith, Harriet Louise.....	Oklahoma City, Okla.
Duke, Marthiel.....	Eugene	Griggs, Allan B.....	Eugene
Dunhar, Jack.....	Eugene	Gross, Florence.....	Condon
Duncan, Fern C.....	Portland	Gross, Mabel.....	Portland
Dunn, A. Claire.....	Eugene	Groves, Marie.....	Eugene
Dunn, Mrs. Mary Roberts.....	Tillamook	Guirard, Catherine.....	Palo Alto, Calif.
Dunn, Wallace W.....	Tillamook	Gullion, Mary Elizabeth.....	Eugene
Dunton, Marjorie May.....	Tracy, Calif.	Gullion, Omar.....	Eugene
Dybevik, Stella.....	Silverton	Gurney, Adeline E.....	Myrtle Point
Dyer, Aileen.....	Eugene	Gustin, Mrs. Cora T.....	Medford
Eagy, Clarence Herbert.....	Albany	Gustin, H. W.....	Medford
Eakin, Dorothy Frances.....	Portland	Haan, Aubrey E.....	Tillamook
Earl, Virgil D.....	Eugene	Hackett, Lena M.....	Klamath Falls
Early, Glennie Mae.....	Medford	Haldeman, Rose.....	Cottage Grove
Easton, Theodore S.....	Eugene	Halgedahl, Grace.....	Eugene
Eaton, Stanley D.....	Eugene	Hall, Frances E.....	McMinnville
Eccles, Grace.....	Buckley, Wash.	Hall, Phyllis Louise.....	McMinnville
Eckelson, Genevieve Ella.....	Portland	Hall, Robert Tallmadge.....	Monmouth
Elliott, Lertis R.....	Eugene	Halverson, Doris.....	Portland
Elliott, Florence E.....	Eugene	Hamilton, Delight C.....	Newberg
Elliott, Sue M.....	Eugene	Hamilton, James Thompson.....	Newberg
Ellis, Ernest W.....	Eugene	Hammond, Delpha.....	Portland
Ellis, Imogene E.....	Leavenworth, Kan.	Hanford, Russell B.....	Oakedale, Wash.
Emmons, Oma Belle.....	Monmouth	Harder, Lloyd Mills.....	Parkdale
Empey, Ernest Warne.....	Junction City	Hardman, Ray W.....	Eugene
English, Frances.....	Eugene	Harrington, Leah B.....	Bend
English, Henry Fred.....	Myrtle Creek	Harris, Agnes.....	Oregon City
Evans, Gordon Francis.....	Eugene	Harris, Helen.....	Oregon City
Everett, Mrs. Helen Addison.....	Eugene	Hartick, Clara.....	West Point, Neb.
Ewbank, Leola.....	Lemoore, Calif.	Hartley, James A.....	Eugene
Eyre, Pearl.....	Salem	Hartley, Mrs. Willetta.....	Eugene
Fasmacht, John H.....	Bandon	Hartung, Donald E.....	Molalla
Field, Marian.....	Eugene	Harvey, Jean.....	Victoria, B. C.
Field, Raymond.....	Eugene	Haskin, Gladys D.....	Portland
Finley, Bernice E.....	Springfield	Haslinger, Joe F.....	Hood River
Finley, Vera.....	Coquille	Hatch, Frances.....	Falls City
Fischer, Laurence E.....	Portland	Haughwout, Mildred.....	Billings, Mont.
Flanders, Maurice.....	Portland	Haugen, Frederick.....	Eugene
Fletcher, Gladys.....	Silverton	Hawley, Jesse Meredith.....	Carpinteria, Calif.
Foley, William.....	Bend	Hayden, Gwendolen Lampshire.....	Eugene
Foord, Phillip Edward.....	McMinnville	Hedges, Barbara.....	Oregon City
Foot, Dorothy B.....	Eugene	Heim, Myrtle.....	Klamath Falls
Forcier, Theodore.....	Eugene	Helms, Ruth Esther.....	Eugene
Forrester, Kathryn B.....	Eugene	Hemagin, Mrs. Luella L.....	Coburg
Forrette, Grace.....	Dallas	Hemagin, Robert L.....	Coburg
Foss, E. Marie.....	Marshfield	Hendricks, Russell Gordon.....	Eugene
Foster, Charlie W.....	Portland	Herman, Mardell.....	Harrisburg
Freel, Alice Omar.....	Portland	Herring, Gertrude M.....	Eugene
Fullerton, Winifred.....	Eugene	Hesler, Alice Rachel.....	Eugene
Galey, Mary.....	Ashland	Hewitt, Bowman H.....	Eugene
Gallagher, Evelyn.....	Portland	Hewitt, Herschel E.....	McMinnville
Galloway, Frances H.....	Yakima, Wash.	Hewitt, Marianne.....	Eugene
Gardiner, Alice.....	Eugene	Hewitt, Marjorie.....	McMinnville
Gardner, Florence McAuliffe.....	Oakland, Calif.	Hibbert, Elizabeth.....	Dayton
Gardner, Lester.....	Eugene	Hibbert, Hester.....	Dayton

Hickey, Mildred Dow.....	Portland	Kraxberger, Walter.....	Oregon City
Higbee, V. B.....	Tillamook	LaBarre, Gwen.....	Portland
Highby, Paul Richard.....	Parkland, Wash.	Lacy, Veryl.....	Eugene
Hill, Florence Arville.....	Harbor	Lamb, F. LaVene.....	Eugene
Hilgen, Marcella Margaret.....	Dufur	Lamb, Lottie Lee.....	Eugene
Hines, Clarence.....	Bend	Lamb, Maxine.....	Eugene
Hirsch, Helen.....	Portland	Lancaster, Harry N.....	Portland
Hoard, Lily B.....	Silver Lake	Lancaster, Murl.....	Halfway
Hobson, Agnes.....	Ingot, Calif.	Lane, Robert Frederick.....	Eugene
Hockett, Wayfe Elizabeth.....	Enterprise	Latimer, Dorene.....	Springfield
Holiday, Joseph A.....	Eugene	Larsen, Gertrude.....	Portland
Holzmeier, Frieda Louise.....	Forest Grove	Latham, Mabel.....	Eugene
Hopkins, Winifred.....	Bandon	Leavenworth, Catherine.....	Portland
Hopson, Ruth E.....	Marshfield	Lee, Guy I.....	McMinnville
Horn, Francis M.....	Cottage Grove	Lee, Patsy M.....	Eugene
Howe, Marion.....	Hood River	Lee, Tummie.....	Portland
Hubbs, Blanche B.....	Silverton	Letner, Bertha.....	Portland
Hunsaker, H. B.....	Honeyville, Utah	Leslie, Lawrence Dale.....	Eugene
Hunter, Howard M.....	Alberton, Mont.	Lewis, Eleanor.....	Marshfield
Huntington, Ben C.....	Camas Valley	Lienkaemper, George.....	Salem
Hurst, Esther.....	Myrtle Point	Ludeman, Dorothy.....	Rainier
Husby, Kathryn Lucille.....	Eugene	Lunn, Leland F.....	Myrtle Point
Hutchins, Ruth Ione.....	Pasadena, Calif.	Lisle, Esther Luella.....	Woodburn
Hutton, Rose.....	Albany	Little, Stella Sankey.....	Eureka, Calif.
Ickes, Dale James.....	Falls City	Livengood, Marjorie.....	Eugene
Ingles, Miriam.....	Gresham	Livingston, E. James.....	Toholah, Wash.
Isted, Leslie M.....	Bend	Long, Kenneth C.....	Eugene
Jackson, Ruth Florence.....	Eugene	Loomis, Mary K.....	Toledo
Jacobs, Charles, Jr.....	Portland	Lyans, Florence Wuest.....	Santa Barbara, Calif.
Jacobs, Norma.....	Eugene	Lyans, Roscoe C.....	Santa Barbara, Calif.
Jacobsen, Josephine.....	Eugene	Lynn, Carl Morris.....	Eugene
Jacobson, Rosalie.....	Los Gatos, Calif.	Lyon, Lawrence LeRoy.....	Eugene
Jacobson, Wilma.....	Eugene	McArthur, Evelyn.....	Eugene
Jakway, Anna Laura.....	Portland	McCallan, Lyle W.....	Eugene
Jandral, John Middleton.....	Seaside	McCullom, Ivan Newton.....	Medford
Jenkins, Ruby.....	Pengra	McClurg, Robert G.....	Eugene
Jensen, John G.....	Bend	McCart, Ray.....	San Luis Obispo, Calif.
Jensen, William C.....	Creswell	McCormack, Raymond Elwood.....	Pendleton
Johns, Tom.....	Pendleton	McCracken, Maurice R.....	Eugene
Johnson, Estie Marian.....	Washougal, Wash.	McCraw, Troy L.....	Parkdale
Johnson, Estelle Gloria.....	Portland	McCurdy, Louise Jane.....	Portland
Johnson, E. VanNess.....	Independence	McDaniel, Warren H.....	Eugene
Johnson, Georgia Chaire.....	Bellingham, Wash.	McDermott, Mildred Ferne.....	Eugene
Johnson, Lillian E.....	Portland	McDevitt, Margaret M.....	Ione
Johnson, Trixie J.....	Tualatin	McDonald, Lester B.....	Eugene
Jones, Ferd W.....	Gates	McDonough, Madaline Ann.....	Eugene
Jones, Flora S.....	Blackfoot, Idaho	McGrave, Patricia Edua.....	Lewiston, Idaho
Jones, Herbert L.....	Crow Stage	McIntire, Maude Eleanor.....	Marshfield
Jones, Ralph Elvin.....	Freewater	McIntyre, Laura.....	Eugene
Kabler, Gerald.....	Creswell	McKeenan, Verna B.....	Glendale, Calif.
Kaser, Sadie.....	Freewater	McKennon, Cleo Pearl.....	Eugene
Keeney, Mrs. Delia Tibbetts.....	Independence	McKittrick, William F.....	Eugene
Keeney, Earl A.....	Monmouth	McKnight, Mrs. Frances M. P.....	Milton
Keesling, Cecil S.....	Campbell, Calif.	McKnight, Robert W.....	Milton
Keithly, Ruth.....	Midvale, Idaho	McLaughlin, Julia B.....	North Bend
Kelley, Irene F.....	Eugene	McLellan, Edgar G.....	Burlingame, Calif.
Kelling, Mary Lee.....	Reedville	McMahon, Mrs. Echo S.....	Oregon City
Keunedy, Vivian F.....	Madera, Calif.	McMullen, Rita.....	Eugene
Kerr, Frederic D.....	Eugene	McMullen, Roy D.....	Portland
Kerr, Olive M.....	Portland	Macduff, Betty Anne.....	Eugene
Kersbergen, W. G.....	Fromburg, Mont.	Magers, Mary.....	Portland
Kidwell, Vivian.....	Pomeroy, Wash.	Mahoney, Teresa M.....	San Francisco, Calif.
Kiesz, Arthur.....	Ontario	Mangavil, Florendo.....	Eugene
Kilpatrick, Eber E.....	Goshen	Mann, Isabelle T.....	Oregon City
Kimball, Herbert G.....	Eugene	Manning, James W.....	Silverton
Kincaid, Harrison.....	Portland	Manning, Robert.....	McMinnville
King, Charles G.....	Portland	Mackewitz, Arthur J.....	Portland
King, Harold William.....	Grants Pass	Marshall, Loye W.....	Medford
King, James W.....	Imbler	Martin, Amy E.....	Salem
King, William Earl.....	Helix	Martin, Grace E.....	Academy, S. D.
Kinney, Cynthia Lee.....	Blackfoot, Idaho	Masterson, Mary C.....	Eugene
Kirkham, Floy M.....	Eugene	Masterton, Mona.....	Eugene
Kirley, E. M.....	Medford	Mather, Kathleen.....	Eugene
Kirkley, Ervin H.....	Corvallis	Matteson, Amy Marie.....	San Francisco, Calif.
Klemm, Karl.....	Eugene	Mathew, Harry Virgil.....	Longview, Wash.
Klockars, Maxine.....	North Bend	Maxwell, Gertrude.....	Walla Walla, Wash.
Koch, Linda B.....	Hillsboro	Mayfield, Stella.....	Elgin
Kramer, Herman James.....	Hood River	Merrick, Pat.....	Portland
Kratt, William E.....	Portland		

Mettie, Mossie.....	Pendleton	Putnam, Rex.....	Redmond
Merrill, Bayard Taylor.....	Eugene	Rae, Ernest.....	Eugene
Merrill, Marian Mariel.....	Eugene	Ransom, Lucy.....	Walla Walla, Wash.
Mevig, Ethel Louise.....	Eugene	Rea, Ruth.....	Klamath Falls
Miles, Mrs. Lois.....	Baker	Rebec, Betty Lowell.....	Eugene
Millegan, Guy Johnson.....	Portland	Reid, Ethel.....	Ashland
Miller, Barney R.....	Ashland	Reid, Margaret.....	Eugene
Miller, Leona B.....	Gold Hill	Reid, Mary Fraser.....	Vancouver, B. C.
Millican, Jean E.....	Leaburg	Reid, Virginia J.....	Eugene
Milligan, William Scott.....	Eugene	Reynolds, James N.....	Eugene
Mitzner, Amanda.....	Halsey	Rice, Margaret.....	Eugene
Mitzner, Ida.....	Eugene	Rickard, Oran Clinton.....	Eugene
Moe, Anna Root.....	Eugene	Riley, Grace.....	Newberg
Montgomery, Edgar P.....	Eugene	Riley, J. Kenneth.....	McMinnville
Moore, Delbert W.....	Eugene	Ring, Marie Kathryn.....	Monmouth
Moore, Edward Randolph.....	Eugene	Ritchey, Beulah.....	Drain
Moore, Maxine.....	Eugene	Robb, Olive Jane.....	Portland
Moore, Maxine Kirk.....	Eugene	Roberts, Hermine M.....	Billings, Mont.
Morgan, A. Rebecca.....	Portland	Robertson, Fay H.....	Eugene
Morrison, Margarette.....	Arlington	Robertson, George Marcos.....	Eugene
Muhr, Margaret.....	Eugene	Robinson, Edward Jr.....	Portland
Mullholland, R. R.....	Springfield	Robinson, Hazel G.....	Monmouth
Mullins, Eugene D.....	Eugene	Rodman, John Franklin.....	Santa Clara
Mullins, Francis.....	Eugene	Rogers, Alaine.....	Eugene
Mullins, Mrs. Georgia M. Upthegrove.....	Eugene	Rogers, Velna Marpic.....	Portland
Mullins, James Albert.....	Arago	Rohner, Martha.....	Portland
Murphy, Hazel I.....	Eugene	Root, J. E.....	Hood River
Murray, A. F.....	Santa Monica, Calif.	Rorer, Emma Jane.....	Eugene
Myers, Marjorie A.....	North Powder	Ross, Isabel Bumgarner.....	Covina, Calif.
Nash, Clarence.....	Sacramento, Calif.	Ross, Veola Peterson.....	Eugene
Nash, Mildred Johnson.....	Sacramento, Calif.	Rothwell, Charles Euston.....	Eugene
Nash, Peter Marcus.....	Lookingglass	Ruff, Lloyd L.....	Eugene
Navaroso, Enrique.....	Eugene	Rydell, Holding A.....	Willamina
Neale, E. W.....	Portland	Sawyer, Roy E.....	Silver Lake
Neel, Helen Lorraine.....	Los Angeles, Calif.	Schaefers, Marie Ann.....	Eugene
Nelson, Ann-Marie.....	Pendleton	Schindler, David H.....	Portland
Nelson, Margaret.....	Portland	Schmidt, George Carlyle.....	Laurel
Noordhoff, F. K.....	Creswell	Schneider, Elsbeth.....	Berkeley, Calif.
Norman, William A.....	Portland	Schoeni, Arthur Lyman.....	Medford
Norton, Lucy.....	Eugene	Schulmerich, Alma.....	Hillsboro
Nonson, Edward Albert.....	Heppner	Schutz, Irwin.....	Duniway
Nye, Sybil.....	Mill Valley, Calif.	Schwering, Hazel Prntsman.....	Eugene
Officer, Robert Owen.....	Eugene	Scott, Fern.....	Bend
Oldham, Howard D.....	Newberg	Scott, Fern.....	Roseburg
Olson, Elmer Erick.....	Wahkon, Minn.	Sears, Gertrude.....	Eugene
Olson, Hulda.....	Wahkon, Minn.	Seashore, Marjorie Moore.....	Eugene
Olson, Mabel E.....	Wahkon, Minn.	Seashore, Sig.....	Eugene
Ormandy, Margaret.....	Eugene	Severson, Amy.....	Eugene
Orme, Douglas Wesley.....	Eugene	Shaw, Maude Allen.....	Wanna
Otto, Retta M.....	Portland	Sheets, M. Meredith.....	Medford
Otto, Tuley P.....	Portland	Shelley, Margerite.....	Eugene
Overholser, W. D.....	Albany	Shepherd, Sue M.....	Eugene
Overmeyer, G. W.....	Eugene	Sherman, Dorothy.....	Eugene
Overmeyer, F. H.....	Orting, Wash.	Shields, Alfred Eugene.....	Eugene
Owen, Estelle.....	Chattaroy, Wash.	Shumaker, Lawrence Kenneth.....	Eugene
Paddock, Myrtle Marian.....	Eugene	Simerville, George Melvin.....	Amity
Pallett, Vera.....	Eugene	Simon, Beatrice G.....	Eugene
Palmer, Hazel Eugenia.....	Eugene	Simonet, Eleanor Anna.....	Red Bluff, Calif.
Palmer, Oren K.....	Springfield	Simons, Inez.....	Eugene
Parker, Mrs. Catherine.....	Salida, Colo.	Simpson, Fern L.....	Eugene
Parrish, F. H.....	Medford	Sister Mary Basilla.....	Eugene
Patterson, Hyron M.....	Klamath Agency	Sister Mary Xaverine.....	Eugene
Pattison, Horace Evans.....	Salem	Skinner, Clifford J.....	McMinnville
Patton, Fred J.....	Glatkskanie	Skipworth, Helen.....	Eugene
Pennington, Ruth.....	Seattle, Wash.	Slawson, Katherine.....	Eugene
Peterkin, Wilbur J.....	Portland	Slawson, Robert C.....	Sandy
Peters, E. C., Jr.....	Eugene	Sly, Estol Verna.....	Creswell
Peterson, Otto H. H.....	Scappoose	Smith, Arthur Henry.....	Yakima, Wash.
Peterson, Ethel M.....	Yoncalla	Smith, Eleanor.....	Springfield
Peterson, Thelma.....	Yoncalla	Smith, Elsa.....	Eugene
Pittenger, J. Riley.....	Portland	Smith, Eunice.....	Scio
Poble, Alma.....	Salem	Smith, Gerald.....	Condon
Pollock, Roma M.....	Eugene	Smith, Mabel I.....	Ione
Potter, Grace E.....	Eugene	Smith, Wallace A.....	Yakima, Wash.
Poucher, Robert S.....	Portland	Snyder, Walter Edward.....	Monroe
Powers, Thomas Richard.....	Lowell	Southwick, Eugene N.....	Portland
Pratt, Martha Moroney.....	Baker	Spencer, Edna Curtis.....	Eugene
Purvine, Maud C.....	Corvallis	Spining, Effie B.....	Davenport, Wash.
		Spining, Lois L.....	Pendleton

Spittle, Lucy Marion.....	Astoria	VanDine, Ruth Clark.....	Eugene
Springer, Mrs. Ruth.....	Philomath	VanLoan, W. L.....	Eugene
Stafford, Howard Straub.....	Eugene	Veatch, Sibly L.....	Cottage Grove
Stark, Gerald Edward.....	Portland	Veatch, Sylvia Addie.....	Cottage Grove
Starr, Paul H.....	Portland	Vestal, Mrs. Luella Marie.....	Eugene
Steinke, Henrietta.....	Portland	Vogel, Anna F.....	Eugene
Stirling, Virginia.....	Eugene	Vorlicky, Henry T.....	Pendleton
Sterner, Henrietta.....	Portland	Vose, D A.....	Oswego
Stockstill, Bertha.....	Eugene	Vose, Lowell.....	Oswego
Stone, Gordon.....	Bend	Wagner, Wilfred.....	Ashland
Stone, Harry William.....	Portland	Walton, Katharine.....	Klamath Falls
Stone, Ruth Matilda.....	Portland	Ward, H. M.....	Sacramento, Calif.
Straight, Winona.....	Vancouver, B. C.	Warren, Ruth.....	Essex, Ill.
Stutzman, Magdalen A. M.....	Portland	Watkins, Annie Meade.....	Eugene
Sullens, Elsie D.....	Oklahoma City, Okla.	Watson, Alice E.....	Pocatello, Idaho
Summers, Floyd E.....	Myrtle Point	Watson, Carroll D.....	Trail
Swayne, Marjorie.....	Brownsville	Webb, Priscilla.....	Medford
Sweet, Helen T.....	Bandon	Webb, Ray.....	Tucson, Ariz.
Swenson, Hilda G.....	Colton, S. D.	Weber, William.....	Quincy, Wash.
Swinson, Ruch.....	Roseburg	Weimer, Stella J.....	San Bernardino, Calif.
Tallant, J. C.....	Murraysville, Pa.	Wells, Edward T.....	Eugene
Tapp, Robert George.....	Portland	Wells, Mrs. May Arnold.....	Silverton
Taylor, Adah.....	Halsey	Westfall, Frances.....	Caldwell, Idaho
Taylor, Alfred.....	Eugene	Wetzel, Maisie.....	Eugene
Taylor, Delphie Meek.....	Eugene	Wetzel, Mrs. Afton Marinelle.....	Burns
Taylor, Florence.....	Portland	Wheeler, Elaine.....	Eugene
Tegart, R. Lloyd.....	Troutdale	White, Douglas C.....	Santa Barbara, Calif.
Thayer, Barbara.....	Eugene	White, Hugh M.....	Canyon City
Theiring, June.....	Marshfield	Wilcox, Lester A.....	Lebanon
Thielsen, Nancy.....	Salem	Wilhelm, Louise.....	Eugene
Thom, Claudia.....	Bend	Wilhelm, Marjorie.....	Eugene
Thoma, Celia.....	Little Falls, Minn.	Wilkinson, Thelma.....	Williams
Thomas, Marguerite L.....	Great Falls, Mont.	Williams, Astrid Mork.....	Eugene
Thomas, Walter E.....	Corvallis	Williams, M. Elaine.....	Elgin
Thompson, Aileen S.....	Los Angeles, Calif.	Wilson, Rachel Elizabeth.....	Prineville
Thompson, Florence B.....	Eugene	Wilson, Velma.....	Youcalla
Thompson, Frances E.....	Eugene	Wing, Florence I.....	Portland
Thompson, George R.....	Oakland, Calif.	Winkler, Winifred A.....	Portland
Thompson, Grace.....	Salem	Winnard, Winifred McKean.....	Portland
Thompson, Nancy.....	Eugene	Winter, Esther.....	Madras
Thompson, Pauline.....	Eugene	Wintermeier, Gretchen.....	Eugene
Thurston, Edward M.....	Eugene	Wisconsin, Vernon L.....	Eugene
Tiggelbeck, Frances.....	La Grande	Wisecarver, Amy E.....	San Francisco, Calif.
Tiggelbeck, Marie Elizabeth.....	La Grande	Witt, Zelia Elizabeth.....	Eugene
Tinker, Carrie Marie.....	Eugene	Wood, Desmond.....	Bend
Tinker, Zada May.....	Eugene	Wood, Maurice.....	Salem
Todd, Roy J.....	Junction City	Wood, Norman E.....	Gooding, Idaho
Torkelsen, Marian Alice.....	Walla Walla, Wash.	Woods, Carolyn Louise.....	Eugene
Trachsel, Charles William.....	Sweet Home	Woods, Perry Daniel.....	McMinnville
Trachsel, Grace H.....	Sweet Home	Woods, Richard Otis.....	Wichita, Kan.
Trainor, Hazel Brenan.....	Eugene	Woods, Ruth.....	McMinnville
Trainor, Joseph Charles.....	Eugene	Woods, Zelma Maude.....	Dallas
Tucker, George E.....	Astoria	Wright, Albert Harvey.....	Crane
Tupper, Josephine.....	JuncEAU, Alaska	Wriston, Clyde O.....	Sumner
Turnbull, George S.....	Eugene	Yoder, Miriam.....	Eugene
Turner, Margaret Bacon.....	Medford	Youmans, John Stull.....	Eugene
Turner, William Elwyn.....	Chico, Calif.	Younn, Beatrice Littlefield.....	La Grande
Ullery, I. L.....	Paradise, Calif.	Young, Juanita O.....	Portland
Van der Vate, Jan.....	Eugene	Yutzler, Mrs. Ruby.....	Portland
VanDine, W. Harry.....	Eugene	Zaretsky, Oscar.....	Portland
		Zevely, Alexander Martin.....	The Dalles

POST SUMMER SESSIONS 1931

Graduate and Undergraduate, Alaska, Hawaii, Portland, and Eugene

Agosti, Alfred P.....	San Luis Obispo, Calif.	Allen, John Eliot.....	Eugene
Albert, Muriel.....	Medford	Allen, Liliith B.....	Baker
Albright, Marion E.....	Astoria	Ammons, Thelma.....	Delano, Calif.
Alexander, Ethel.....	San Francisco, Calif.	Anderson, Anne Helene.....	Crary, N. D.
Allen, Ethan E.....	Eugene	Anderson, Donald.....	Honolulu, T. H.

Andrews, Helen Grace.....	Eugene	Dolan, Henrietta.....	Eugene
Andrews, Marie June.....	Wasco	Drill, Harry T.....	Eugene
Andrews, Roy C.....	Eugene	Dunham, Tom.....	Portland
Armstrong, Hubert Elmer.....	Newberg	Bunn, Wallace W.....	Tillamook
Ashcraft, Lyle J.....	Portland	Emmons, Oma Belle.....	Monmouth
Austin, Paul G.....	Pasadena, Calif.	English, Henry Fred.....	Myrtle Creek
Austin, W. W.....	Oakridge	Fassette, Frank.....	Eugene
Averill, Richard Lisle.....	Portland	Fellows, Frances.....	Salem
Baker, R. Frank.....	Pasadena, Calif.	Fellows, Lois M.....	Salem
Bandettini, Edythe M.....	Bakersfield, Calif.	Follis, Glade C.....	Hillsboro
Barger, Leone.....	Eugene	Foord, Phillip E.....	McMinnville
Barker, Blanche Wiggin.....	Charleston	Foote, Dorothy B.....	Eugene
Barker, Barbara.....	Portland	Fort, Emma G.....	Newberg
Barker, L. Aileen.....	Myrtle Point	Franklin, Lottie M.....	Central Point
Baughman, H. T.....	Eugene	Freeman, Esme.....	San Diego, Calif.
Beamam, Genevieve.....	Springfield	Full, Evelyn.....	Portland
Beattie, Mrs. Inez M.....	Eugene	Fuller, Margaret.....	Oregon City
Beattie, Mrs. Suzanne M.....	Portland	Fuller, Ruth.....	Lakeview
Bellport, Louise G.....	Concord, Calif.	Fullerton, Winifred.....	Eugene
Bennett, Frank Brown.....	Tillamook	Gadsby, Margaret.....	Portland
Bergerson, Percy Norman.....	Vernonia	Gale, Betty.....	Bandon
Black, Mabel.....	Portland	Gale, Mrs. D.....	Bandon
Boesen, Nina C.....	Eugene	Gallagher, Evelyn.....	Portland
Bogue, Richard G.....	Merrill	Garlinghouse, Isabelle.....	Modesto, Calif.
Bolin, Russell Charles.....	Dooley, Mont.	Geenty, Anne.....	Portland
Bove, LeRoy Joseph.....	Waldport	Getting, Mabel E.....	Eugene
Bovingdon, Beulah.....	Portland	Gilbaugh, James Herbert.....	Portland
Bowman, Eugene.....	North Powder	Gill, Donna.....	Lebanon
Brainard, Esther C.....	San Diego	Givens, Richard M.....	Portland
Brand, Edith.....	Dunkirk, N. Y.	Good, G. H.....	Eugene
Brand, Leita.....	Spokane, Wash.	Goodman, Gwen.....	Seattle, Wash.
Brosius, Charlotte M.....	Eugene	Goodson, Opal.....	Glendora, Calif.
Brown, Frances E.....	Trout Lake, Wash.	Gough, Ruth.....	Portland
Burkert, Gladys Ruth.....	Eugene	Gould, Robert J.....	Medford
Burton, T. R.....	McMinnville	Grace, Cora.....	El Paso, Tex.
Bush, Virginia.....	Salt Lake City, Utah	Grace, Minnie.....	El Paso, Tex.
Byers, Orrin Durward.....	Rainier	Graham, Kate.....	Alliance, Neb.
Byers, Ruth.....	San Jose, Calif.	Graham, Madge.....	Alliance, Neb.
Caldwell, C. C.....	Eugene	Graves, Cecile.....	Alpine
Cantrall, Harriet M.....	Springfield, Ill.	Graves, Clara Amanda.....	Eugene
Carnahan, Mrs. Gladys P.....	Eugene	Gray, Aletha.....	Gold Hill
Carroler, John J.....	San Rafael, Calif.	Griffin, C. J.....	West Linn
Carter, Mell F.....	Ontario	Griggs, Allan B.....	Eugene
Catto, Vera C.....	Wauna	Groves, Marie.....	Eugene
Chandler, Helen W.....	Portland	Gustin, H. W.....	Medford
Chase, Gladys A.....	Eugene	Haan, Aubrey E.....	Tillamook
Chase, Harriet.....	Portland	Haldeman, Rose.....	Cottage Grove
Cherry, E. LeGrande.....	Condon	Haley, Nellie E.....	Bell, Calif.
Christensen, Olga.....	Bandon	Halgedahl, Grace.....	Eugene
Christopherson, Lillie.....	Eugene	Hall, Robert Tallmadge.....	Monmouth
Claassen, Ruth L.....	Vancouver, Wash.	Halvorsen, Mildred.....	Portland
Clark, Louise.....	Eugene	Hamilton, James Thompson.....	Newberg
Clark, Mamie F.....	Medford	Hanford, Russell B.....	Oakdale, Wash.
Clark, Reed L.....	Lebanon	Harder, Ann.....	Reedley, Calif.
Clayton, Lillian Elien.....	Dixon, Calif.	Harder, Susan.....	Reedley, Calif.
Clink, Alice Elien.....	Eugene	Harrison, Erma Irene.....	Cashmere, Wash.
Coan, Adelaide B.....	Nevada City, Calif.	Hartley, Gertrude.....	Ferndale, Calif.
Coke, T. H.....	Grants Pass	Hartung, Donald E.....	Molalla
Coleman, John Edward.....	Portland	Hastings, Lyle K.....	Eugene
Collins, Anne M.....	San Bernardino, Calif.	Hastings, Norma.....	Santa Rosa, Calif.
Cook, Netta.....	Portland	Hatch, Agnes.....	Chisholm, Minn.
Copenhaver, Lacy B.....	Portland	Haugen, Frederick.....	Eugene
Cram, Evelyn Underwood.....	Portland	Haugen, Nettie Mae.....	Eugene
Cram, William Arthur.....	Portland	Hawley, Jesse Meredith.....	Carpinteria, Calif.
Cramer, John Francis.....	Grants Pass	Heiser, Lauretta.....	Eugene
Cross, Geraldine.....	Visalia, Calif.	Helmi, Myrtle.....	Klamath Falls
Curtin, Rebecca.....	Portland	Herman, Mardell.....	Harrisburg
Dallinger, Matilda.....	Hillsboro	Herring, Gertrude M.....	Eugene
Dart, Leonard.....	Eugene	Hewitt, Bowman H.....	Eugene
Davis, Maybelle E.....	Santa Barbara, Calif.	Hewitt, Leva.....	Portland
Davis, W. B.....	Oroville, Calif.	Hickey, Winona J.....	Salinas, Calif.
de la Fontaine, Marie Callista.....	Portland	Higby, Paul Richard.....	Parkland, Wash.
Derby, Harold Kenneth.....	McMinnville	Hinckley, Loretta.....	Tacoma, Wash.
Dery, Robert.....	Eugene	Hogan, Marion L.....	Oakland, Calif.
Dickson, Mildred F.....	Eugene	Holaday, Joseph A.....	Eugene
Diebel, Clarence E.....	Eugene	Holst, Almeda Fuller.....	Eugene
Dobbins, Mildred E.....	Portland	Holzmeier, Frieda Louise.....	Forest Grove
Dodds, Pearl Agnes.....	Albany	Hopson, Ruth E.....	Boring Marshfield

Horn, Francis M.	Cottage Grove	Matthew, Harry Virgil	Longview, Wash.
Howe, Marion	Hood River	Mayfield, Stella	Elgin
Howell, Editha	Pasadena, Calif.	Melendy, Ruth	Portland
Hoyt, Mildred Wayne	La Grande	Melium, Hannah E.	Uter, Minn.
Hoyt, Myrtle Mae	La Grande	Mickey, Mabel C.	Portland
Hukce, Alma A.	Winger, Minn.	Miller, Carroll Edward	Deer Lodge, Mont.
Hunsaker, H. B.	Honeyville, Utah	Miller, Leona B.	Gold Hill
Hunter, Howard M.	Alberton, Mont.	Milstead, Velfie	Long Beach, Calif.
Huntington, Ben C.	Camas Valley	Minetti, Henry L.	Cambria, Calif.
Hurd, Conifred	Salem	Minetti, Mrs. Henry I.	Cambria, Calif.
Hutchins, Ruth Ione	Pasadena, Calif.	Mitzner, Amanda	Halsey
Hutton, Rose	Albany	Moll, Leno	Eureka, Calif.
Ingle, Mrs. Stella N.	La Grande	Monlux, Gladys	Los Angeles, Calif.
Israelsen, Alice	Hyrum, Utah	Moore, Edward Randolph	Eugene
Jacobs, Charles	Portland	Moore, Maxine	Eugene
Jandrall, John Middleton	Seaside	Moreland, Mary	Portland
Jelis, Florence	Long Beach, Calif.	Morris, Margaret M.	Marshfield
Johnson, Elsie Miriam	Washougal, Wash.	Mullins, Eugene D.	Eugene
Johnson, E. Van Ness	Independence	Myers, Marjorie A.	Willamina
Johnson, Helena Adelina	Tacoma, Wash.	Nash, P. M.	Lookingglass
Johnson, Hilda	Portland	Nelson, Nina Marie	Seattle, Wash.
Johnson, Trixie J.	Tualatin	Nil, Enid Hope	Delano, Calif.
Johnston, Alice E.	Pittsburgh, Pa.	Nimmo, Merle	Eugene
Johnston, Florence M.	Pittsburgh, Pa.	Noreen, Olga E.	Portland
Jones, Herbert I.	Eugene	O'Brien, Teresa Veronica	Fondulac, Wis.
Kausen, Marjorie L.	Fernsdale, Calif.	Officer, Robert	Eugene
Kearns, Jennie	Dayton	Ormandy, Margaret	Portland
Keeney, Earl A.	Cloverdale	Otto, Rhetta M.	Portland
Keller, Alfred	Portland	Otto, Tuley P.	Portland
Kelley, Irene	Eugene	Overmeyer, George, Jr.	Carson, Wash.
Kerr, Frederic D.	Eugene	Pallett, Vera	Eugene
Kiesz, Arthur	Ontario	Pemberton, H. Earl	Mt. Vernon, Wash.
Kilpatrick, Eber E.	Goshen	Peters, E. C.	Honolulu, T. H.
King, Florence R.	Portland	Peterson, Otto H.	Scappoose
Kleffman, Ervin H.	Corvallis	Peterson, Ethel M.	Yoncalla
Klema, Karl	Eugene	Phillips, A. J.	Portland
Kochevar, Angela M.	Chisholm, Minn.	Phillips, C. D., Jr.	Milwaukie
Lamb, Lottie Lee	Eugene	Phillips, John H.	Oakland, Calif.
Lee, Guy L.	McMinnville	Priest, Eda L.	Portland
Lee, Helen L.	Dunkirk, N. Y.	Prunty, Gladys	Fresno, Calif.
Lee, Patsy	Eugene	Prunty, Modena	Fresno, Calif.
Lee, Tunnie	Portland	Purvine, Maud C.	Corvallis
Leach, Mrs. Blanche Wilder	Ardmore, Pa.	Rae, Ernest	Eugene
Leitner, Bertha	Portland	Ragan, Howard	Eugene
Lewis, Ruth E.	Denver, Colo.	Ramsaur, Virginia	Deverley Hills, Calif.
Lieuallen, Barbara	Bend	Rebec, Betty Lowell	Eugene
Lindley, Myrl	Portland	Reid, Avis	Portland
Linn, Leland F.	Myrtle Point	Reid, Margaret B.	Eugene
Little, Stella Sankey	Eureka, Calif.	Reynolds, James N.	Portland
Lloyd, Marie W.	Reno, Nev.	Ricc, Gertrude	Pomona, Calif.
Long, Alyce E.	Delona, Calif.	Ridings, Marie	Eugene
Long, Cora Curtis	Boulder, Colo.	Riley, Grace Sylvia	Newberg
Long, Elizabeth Curtis	Boulder, Colo.	Robb, Olive Jane	Portland
Loomis, Beatrice M.	Bieber, Calif.	Robertson, George M.	Eugene
Luther, Marvin	Leavenworth, Wash.	Robinson, Edward	Portland
Lyon, Lawrence LeRoy	Eugene	Robinson, Letha	Ferndale, Calif.
McCallum, Lyle W.	Eugene	Robinson, Maxine	Ferndale, Calif.
McCart, Roy	San Luis Obispo, Calif.	Rogers, Aline	Eugene
McClew, Ann Elizabeth	Eugene	Rogers, Vel	LaGrande
McCormell, Ivan N.	Medford	Robner, Martha	Portland
McCormell, Jeannett	Alliance, Neb.	Root, Marion	Los Angeles, Calif.
McCool, Wendell R.	San Mateo, Calif.	Root, Stella R.	St. Cloud, Minn.
McCormick, Eva Helen	Hillsboro	Rorer, Emma Jane	Eugene
McCulloch, John R.	Portland	Rosendahl, Fannie	Fresno, Calif.
McDaniel, Warren H.	Eugene	Ross, Barbara	Marshfield
McDonald, Benson S.	Clackamas	Ruff, Lloyd L.	Eugene
McDougal, Marjorie	Eugene	Sagaberd, Margaret F.	Gardiner
McKittrick, William E.	Eugene	Schaefer, Ruth E.	Eugene
McMullin, Medora	Powers	Schmidt, George Carlyle	Laurel
Mack, Mrs. A. C.	Bakersfield, Calif.	Schreppel, Marie F.	Corvallis
Mackey, Ethel B.	Cottage Grove	Schultz, Helen L. R.	Oregon City
Mackey, Ulrich I.	Phoenix, Ariz.	Schulz, Irvin	Drewsey
Magers, Mary	Portland	Scott, Beulah M.	Fremont, Neb.
Maler, Aune	LaJolla, Calif.	Scott, Ethel Christman	Cottage Grove
Mangavil, Florendo	Eugene	Scott, Fern M.	Roseburg
Mann, Isabelle T.	Oregon City	Sevy, Alice	Salt Lake City, Utah
Manuel, Alice	Grants Pass	Scyfarth, Donna M.	Salt Lake City, Utah
Martin, Mrs. Ruby Ray	Santa Rosa, Calif.	Shaw, Mrs. Maude Allen	Wauna
Mather, Irving Allan	Eugene	Sheets, M. Meredith	Medford

Shellenberger, Rhoda.....	Beaverton	Vanlandingham, Irene.....	Portland
Shields, Alfred Eugene.....	Eugene	VanWormer, C. J.....	Dayton
Shoemaker, George Estell.....	Independence	Vestal, Luella Marie.....	Wray, Colo.
Shucy, Ada R.....	Eugene	Vosepka, Mrs. Floy W.....	Pasadena, Calif.
Sibley, Homer.....	Portland	Wagner, Berma.....	Forest Grove
Simonet, Eleanor Anna.....	Red Bluff, Calif.	Ward, Nora E.....	Dorena
Simpson, Mabel A.....	Portland	Washburn, O. M.....	Portland
Skinner, Clifford J.....	McMinnville	Washburn, Mrs. O. M.....	Portland
Smith, Eunice Mae.....	Seio	Watson, Carsell D.....	Trail
Smith, Gerald.....	Condon	Webb, Carl C.....	Eugene
Souders, Laura.....	Portland	Webster, Catherine.....	Portland
Spencer, Vera H.....	Alliance, Neb.	Wedding, Lucy Townsend.....	Hepner
Spncker, Edna Curtis.....	Eugene	Weinick, Isabel Ann.....	Eugene
Spracklen, Mabel.....	Kirby, Montana	Weir, William F.....	Glde
Stafford, Howard Straub.....	Eugene	Wells, Karblen.....	Coalinga, Calif.
Stone, Harry William.....	Portland	White, Hugh M.....	Canyon City
Stone, Ruth Matilda.....	Portland	Wiggin, Irma.....	Portland
Sunners, Floyd E.....	Myrtle Point	Wilcox, Lester A.....	Lebanon
Swayne, Marjorie Gates.....	Brownsville	Wilder, Caledora Esther.....	Crawley, Ia.
Swenson, Hilda G.....	Colton, S. D.	Wilhelm, Marjorie.....	Eugene
Tapp, Robert George.....	Portland	Wilkie, Helen.....	Pomona, Calif.
Tegart, R. Lloyd.....	Troutdale	Wilkinson, Juanita.....	Portland
Terrill, Nina H.....	Fresno, Calif.	Willey, Genevieve.....	Los Angeles, Calif.
Tessien, Helen E.....	Santa Barbara Calif.	Williams, Alpha.....	Beaverton
Thirwell, Alida Christine.....	Eugene	Williams, Daisy D.....	Cody, Wyo.
Thomas, Ella.....	Amity	Williamson, Walter T.....	Portland
Thompson, Florence B.....	Eugene	Wilson, Elizabeth.....	Eugene
Thompson, Genevieve B.....	Portland	Wilson, Lorena C.....	Portland
Thompson, George R.....	Oakland, Calif.	Winter, Joy Merrill.....	Rose Lodge
Torkelsen, Marian Alice.....	Walla Walla, Wash.	Witt, Zelia Elizabeth.....	Walla Walla, Wash.
Trachsel, Charles William.....	Sweet Home	Wood, Desmond.....	Bend
Trachtenberg, Isadore N.....	Oswego	Wood, Maurice.....	Salem
Trevarrow, Vivian Ruth.....	Santa Rita, N. M.	Wright, Wilma L.....	Glendora, Calif.
Triplitt, Maggie A.....	Wasco	Yarbrough, Ethel Akerson.....	Junction City
Tucker, Edith Lee.....	Portland	Younans, John Stull.....	Eugene
Tucker, William Motier.....	Fresno, Calif.	Young, Beatrice J.....	La Grande
Turner, William Elwyn.....	Chico, Calif.	Young, Juanita.....	Portland
Turney, Dorothy.....	Portland	Young, Olive.....	Bend
Utter, James W.....	Los Angeles, Calif.	Yutzler, Mrs. Ruby.....	Portland
van der Vate, Jan.....	Eugene	Ziniker, Nieta D.....	Creswell

La Grande: Eastern Oregon Normal School

ENROLLMENT 1931-32

Adams, Faye, 2.....	La Grande	Billings, Gladys, 2.....	Imbler
Adler, Genevieve, 1.....	La Grande	Bishop, Bernice, 2.....	Fruitland, Idaho
Allen, Retta M., 2.....	North Powder	Hittner, Ivena Gott, 1.....	Kahlotus, Wash.
Anthony, Hilda, 1.....	La Grande	Blanchard, Robert, 1.....	La Grande
Ashbaugh, Elizabeth, 1.....	La Grande	Bliss, Delia, 3.....	Milton
Baird, Marjorie, 2.....	Baker	Boner, Harold, 1.....	Joseph
Baird, Pearl Gowen, 1.....	McMinnville	Borders, Leona, 3.....	Jordan Valley
Baker, Maurice, 1.....	La Grande	Boyd, James Sterling, 1.....	Pilot Rock
Barry, Dorothy, 2.....	Cove	Braden, Leona, 1.....	Walla Walla, Wash.
Barry, Bessie, 2.....	Mt. Vernon	Brashers, Gladys, 1.....	Ione
Baum, Oreta, 1.....	Union	Bredow, Fernie, 1.....	Portland
Baxter, Clifton, 1.....	Union	Briggs, Edwin, 1.....	La Grande
Baxter, Floyd, 1.....	La Grande	Brown, Harold, 1.....	La Grande
Beardsley, Gwendolen, 1.....	Milton	Brown, Hillard, 2.....	La Grande
Beauchamp, Mural, 2.....	Umapine	Buchanan, Edith, 2.....	Haliway
Beaudoin, Gerald, 1.....	Enterprise	Buchanan, Mattie, 3.....	La Grande
Becker, Cassie, 2.....	Harper	Bull, Eileen, 1.....	La Grande
Beers, Delva, 2.....	Ontario	Bull, Paul, 1.....	La Grande
Beers, Eleanor, 2.....	Ontario	Burnett, Myrtle, 2.....	Pendleton
Beers, Jennie, 3.....	Creston	Byrd, Arlene, 2.....	Pilot Rock
Belts, Elbert, 1.....	Pendleton	Cade, Mildred, 1.....	La Grande
Bennett, Evelyn M., 1.....	La Grande	Caldwell, William, 1.....	La Grande
Benson, Doris, 1.....	Ontario	Carden, Allen, 1.....	Pendleton
Benson, Lena, 2.....	Huntington	Carper, Sibyl Ballard, 2.....	Enterprise
Berry, Leona, 1.....	La Grande	Carter, Harvey, 2.....	La Grande
Bible, Rufus E., 2.....	Monument	Case, Ruby, 2.....	Weston
Bichsel, Velma, 2.....	The Dalles	Catterson, Ruth, 2.....	Crane
Bickford, Verma, 1.....	La Grande	Chadwick, Lillian, 2.....	Elgin

1—first-year student; 2—second-year student; 3—special student.

Chandler, Phyllis, 1.....	Portland	Geibel, Ruth, 1.....	La Grande
Chapel, Delsie, 1.....	Hardman	Gerards, Waldo, 1.....	La Grande
Charlton, Roma, 2.....	Athena	Gibbons, Norma, 1.....	North Powder
Christeson, Beth Rogers, 2.....	Ontario	Gietlhuber, Anne, 2.....	La Grande
Christeson, Charles, 2.....	Ontario	Gietlhuber, Elsie, 1.....	La Grande
Christian, Leone, 2.....	Adams	Gietlhuber, Theresa, 2.....	La Grande
Christiansen, Eleanora, 1.....	Enterprise	Gilkison, Edna, 2.....	Haines
Clark, May, 1.....	Siuslaw	Gillette, Eula, 3.....	Halfway
Cleek, Charles, 1.....	Portland	Glenn, Harriett Emma, 2.....	Halfway
Cline, Lois, 1.....	Union	Glenn, Helen, 2.....	Halfway
Coble, Winifred, 2.....	New Bridge	Gooding, Iola, 2.....	Milton
Coleman, Carl, 1.....	La Grande	Gott, Stanley, 1.....	Kahlotus, Wash.
Coies, Garnard, 1.....	Haines	Gray, Lawrence, 1.....	La Grande
Colwell, Miriam, 2.....	Ontario	Gray, Leroy Emmett, 2.....	Blaine
Conlogue, Marie, 3.....	Eugene	Greene, Ruth, 2.....	La Grande
Connor, Barton, 1.....	Union	Gregory, John, 1.....	Wallowa
Connor, Ralph, 2.....	Union	Gregory, Laura, 2.....	Wallowa
Connor, Ruth, 2.....	Union	Grover, Bernice, 2.....	Ontario
Cook, Raymond, 1.....	La Grande	Groves, John H. E., 1.....	Portland
Coolidge, June, 2.....	La Grande	Hagey, Floyd, 1.....	Island City
Cox, Georgia, 2.....	Riverside	Hall, Laura, 1.....	Pendleton
Crabill, Jeanne, 1.....	Weiser, Idaho	Hall, Thelma L. Moore, 2.....	Wallowa
Crabill, Louise, 2.....	Weiser, Idaho	Halsey, Elma, 1.....	Joseph
Crabill, Phyllis, 1.....	Weiser, Idaho	Halvorsen, Lewis, 1.....	Pendleton
Crouter, Dora, 1.....	Union	Hammack, Edna, 2.....	Lostine
Cunliffe, Margaret, 1.....	La Grande	Hand, J. Douglas, 1.....	North Powder
Dale, Eda, 2.....	Helix	Hanford, Jeanette, 2.....	La Grande
Daron, Walter, 3.....	Quincy	Hansen, Elmer C., 2.....	La Grande
Dayenport, Valda, 2.....	Spray	Hansen, Elvora, 2.....	La Grande
Davis, Agness, 1.....	Burns	Hansen, Ethel S., 2.....	Island City
Davis, Mildred, 1.....	La Grande	Hansen, Lorel O'Dell, 2.....	Baker
Dawson, Alex R., 1.....	Joseph	Hanson, Hazel, 2.....	La Grande
Dearborn, Meda, 2.....	Ontario	Hardman, Louise, 2.....	Unity
DeMoss, Harvey, 2.....	Hermiston	Hart, Edna, 2.....	Westfall
Densley, Alice, 1.....	Richland	Hart, Lucile, 1.....	The Dalles
DeWilde, Margaret, 1.....	Pendleton	Hartell, Reatha, 2.....	Keno
Dodds, Ruby, 2.....	Baker	Hartle, Dorothy, 2.....	Pendleton
Doherty, Agnes, 2.....	La Grande	Hays, Elma, 2.....	Enterprise
Doherty, Mae, 2.....	Lexington	Heard, Charles, 1.....	Pendleton
Donovan, Paul, 1.....	La Grande	Hedden, J. Grace, 2.....	La Grande
Dorton, Mary, 1.....	Bend	Hedwall, Clara, 2.....	Hermiston
Dougherty, Veta, 1.....	Baker	Heger, Isabel, 2.....	Joseph
Douglas, Esther, 1.....	Lime	Helmick, Gladys, 1.....	Baker
Duncan, Lessie, 1.....	The Dalles	Henner, Wilma, 1.....	Haines
Duncan, Lillian, 2.....	Joseph	Henricks, Mary, 2.....	The Dalles
Dunn, Austin, 2.....	La Grande	Hercford, Marguerite, 3.....	Weston
Eastridge, Ralph, 1.....	Pendleton	Herr, Eunice, 2.....	La Grande
Eberhard, Franklin, 1.....	La Grande	Herr, Grace, 2.....	Freewater
Ebert, Natalie, 1.....	La Grande	Hesse, Elizabeth, 2.....	La Grande
Edvalson, Stella, 2.....	Union	Hewitt, Wiley, 1.....	Milton
Engelman, Viola, 2.....	Ione	Hiatt, Elwood, 1.....	La Grande
Engstrom, Beryl, 2.....	Durkee	Hibbert, Rudelle, 1.....	La Grande
Epling, Golan, 1.....	La Grande	Hibbert, Eugene, 1.....	La Grande
Erickson, Jerry, 1.....	Pendleton	Hickey, Hazel, 2.....	Ontario
Erwin, Wayne, 1.....	Pendleton	Hickey, Myrtle, 1.....	Ontario
Estes, Kermit, 2.....	Joseph	Higgins, Dorothy, 1.....	La Grande
Evans, Hazel, 2.....	Flora	Hill, Wilma, 2.....	Elgin
Ewing, Nellie, 1.....	Oakland	Hinchliff, Mildred, 2.....	Pendleton
Faires, Gordon, 1.....	Milton	Hinshaw, Harold, 1.....	Pasadena, Calif.
Faus, Eugene, 1.....	La Grande	Hinton, Robert, 1.....	The Dalles
Fellman, Esther A., 2.....	La Grande	Ilite, Marie, 2.....	Boring
Ferris, Frank, 2.....	Portland	Hodgen, Kenneth, 1.....	Adams
Field, Leonard, 2.....	La Grande	Hodgin, Minnie E., 2.....	La Grande
Finkel, Lucy, 2.....	Milton	Hogensen, Veda, 1.....	La Grande
Fisher, Clarissa, 1.....	Halfway	Hogg, John, 1.....	Baker
Fisher, H. K., 1.....	Haines	Holcomb, Donna, 1.....	Richland
Fleener, Esther, 1.....	Evans	Hopkins, Albert, 2.....	Nyssa
Fleshman, Bethel, 2.....	La Grande	Houck, Gladys, 2.....	Joseph
Flynn, Zenith, 1.....	Austin	Houx, Veda, 1.....	Cove
Fowler, Arthur, 1.....	Alicel	Howard, Ernestine, 1.....	Ironside
Fraser, Bonnie, 2.....	Richland	Hoyt, Harold, 1.....	La Grande
Fraser, Madeline, 1.....	La Grande	Hubbard, Margaret, 2.....	Eugene
Fraser, Ruth, 2.....	Richland	Huckstep, La Rue, 1.....	Pendleton
Fredrickson, Fred, 1.....	Gardiner, Mont.	Hudelson, Lucille, 2.....	North Powder
Freeman, Bertha, 1.....	La Grande	Hudson, Ona A., 3.....	Imbler
Fuller, Lowell, 2.....	Pondosa	Hughes, Helen, 1.....	La Grande
Fuller, Lynn, 1.....	La Grande	Hull, Gussie, 3.....	Oregon City
Gardiner, Iona, 2.....	Nyssa	Hunsaker, Addaline, 1.....	Pine
Garrison, Olive, 2.....	Huntington	Hyde, Albert, 1.....	Nyssa

Hyde, Lloyd, 1.....	North Powder	Mullinix, Stanley, 1.....	Rockville
Inlow, Alice, 2.....	La Grande	Munn, Phyllis, 2.....	Hereford
Irwin, Irene, 1.....	La Grande	Murray, Doris Kramer, 2.....	Pilot Rock
Irwin, Ray, 1.....	La Grande	Nebecker, Ida, 2.....	La Grande
Jackson, Myrtle, 2.....	Haines	Neilson, Roberta, 2.....	La Grande
Jahn, Frances, 1.....	The Dalles	Nelson, Beryl, 2.....	Nampa, Idaho
Johnson, Ada, 2.....	Wallowa	Nelson, Nellie, 2.....	La Grande
Johnson, Agnes M., 2.....	Nyssa	Nelson, Roy, 1.....	La Grande
Johnson, Carl, 1.....	La Grande	Newton, Ufa, 2.....	Helix
Johnson, Esta, 2.....	Wallowa	Nice, Eva, 1.....	North Powder
Johnson, Lee, 2.....	La Grande	Nichols, Winonah, 1.....	La Grande
Johnson, Lemius, 3.....	Milton	Nielsen, Jennie, 2.....	La Grande
Johnston, George, 1.....	Nyssa	Noble, Evelyn, 3.....	Jordan Valley
Jones, Beryl, 2.....	Hend	Northrup, Olive, 2.....	Newberg
Jones, Ewawynne, 2.....	Dufur	Norton, Dallas, 2.....	The Dalles
Jordan, Ione, 1.....	Enterprise	Nowland, Mary, 1.....	La Grande
Kail, Mary B., 2.....	La Grande	Noyes, Arlo, 1.....	La Grande
Kamkoff, Konaka, 1.....	Anchorage, Alaska	O'Brien, Jacqueline, 1.....	Pondosa
Karstens, Anita, 2.....	Pendleton	Oesterling, Robert, 1.....	La Grande
Kaser, Rose, 2.....	Dufur	Ogan, Wilson, 1.....	Joseph
Keist, Neville, 1.....	Richland	Oliver, Emma, 2.....	Eugene
Kemler, Rebecca, 2.....	Pendleton	Oliver, Eugene, 2.....	Eugene
Kennedy, Louise, 2.....	Joseph	Owen, Gladys, 1.....	La Grande
Kenville, Mable, 2.....	Joseph	Owings, Frieda, 2.....	Jordan Valley
Ketcham, Alice, 2.....	Payette, Idaho	Parker, Jesse, 1.....	La Grande
Kirby, Alberta, 2.....	Adams	Parsons, Jack, 1.....	Elgin
Kirby, Joyce, 2.....	Adams	Parsons, Ruby, 2.....	Elgin
Kirk, Letha, 2.....	The Dalles	Paul, Henrietta, 2.....	Princeton
Knoits, Helen, 2.....	Pilot Rock	Payne, Fay, 1.....	Enterprise
Knox, Esther, 2.....	Tygh Valley	Pearson, Walt, 1.....	Tillamook
Kraiman, Evelyn, 2.....	Freewater	Phillips, Grace, 2.....	Haines
Kraiman, Rita, 2.....	Freewater	Pierce, Kathryn H., 2.....	La Grande
La Fremier, Frank J., 2.....	La Grande	Piercion, Avis, 3.....	Huntington
Langley, Alta, 2.....	Lone	Piper, Marylou, 1.....	La Grande
Lassen, Christian, 1.....	Pendleton	Plank, George, 1.....	La Grande
Laughlin, J. Esther, 2.....	Portland	Plass, Granville, 1.....	Wallowa
Leonard, Ruth, 2.....	Lostine	Porch, Donn, 1.....	La Grande
Lequerica, Connie, 2.....	Jordan Valley	Pokel, Nelda, 3.....	Wenatchee, Wash.
Leslie, Teresa Bliss, 2.....	La Grande	Posey, Wm. Cecil, 2.....	La Grande
Lewis, Francis, 2.....	La Grande	Pratt, Seville, 1.....	La Grande
Lilly, Charles, 1.....	La Grande	Trillaman, Rolex, 2.....	Cove
Lines, Nellie, 1.....	Portland	Putnam, Keith, 1.....	Huntington
Long, Beulah, 2.....	Haines	Pye, Myrtle, 2.....	Portland
Long, Mabel, 2.....	Haines	Quinn, Annabelle, 1.....	Haliway
Long, Wilma, 2.....	Ontario	Ragan, Edith, 1.....	La Grande
Longiellow, Ruth, 1.....	La Grande	Ragsdale, Robert, 1.....	Grass Valley
Lowry, William T., 1.....	Portland	Reed, Helen, 2.....	Elgin
Loyd, Jack, 1.....	Wallowa	Reynaud, Derwin, 1.....	La Grande
McClain, Gene, 1.....	La Grande	Rhea, Lum, 1.....	Redmond
McCulley, Suzanne, 2.....	Baker	Rhine, Dorothy, 1.....	La Grande
McCullough, Christine, 1.....	Baker	Richards, Frances, 1.....	La Grande
McDaid, Nora, 2.....	Lexington	Richey, LaVelle, 1.....	La Grande
McGlenning, Marguerite, 1.....	La Grande	Ridgeway, Opal, 2.....	John Day
McKennon, Frances, 1.....	Imbler	Rinehart, Grant, 2.....	Enterprise
McKinney, Bernice, 2.....	La Grande	Rinehart, Lucille, 1.....	Enterprise
McKinnis, Don, 1.....	Imbler	Roe, Leonard, 1.....	La Grande
McLin, Charles, 1.....	Cottage Grove	Rogers, Hattie, 2.....	Parma, Idaho
McMeekin, Ida, 1.....	La Grande	Rogers, Marjory, 1.....	Portland
McMillan, Doris, 1.....	La Grande	Roll, Raymond, 1.....	Portland
McMurren, Abbie, 2.....	Ontario	Rollins, Ruth, 3.....	Haines
McWilliams, Virginia, 1.....	La Grande	Rooney, Blossie, 1.....	Joseph
Maddock, Margaret Ann, 2.....	Condon	Rosenlof, Fern, 1.....	Huntington
Magee, America, 1.....	Helix	Rutherford, Vada, 2.....	Malheur
Magee, Mary, 2.....	Enterprise	Sanders, Gertrude, 2.....	Haliway
Mahoney, Dwight, 1.....	Pendleton	Sanders, Jack, 1.....	Baker
Makie, Alena, 2.....	Norwood, Idaho	Sass, Catharina, 1.....	Richland
Marlatt, Beryle, 1.....	Umapine	Sayre, Joe, 1.....	La Grande
Marl, June, 1.....	Weston	Scott, Alice, 3.....	La Grande
Marshall, Leonard, 1.....	Nyssa	Scott, Marian, 1.....	Enterprise
Mayger, Merlyn, 1.....	La Grande	Sheridan, Ann, 2.....	Freewater
Medcalf, Jerry, 1.....	Tillamook	Shoemaker, Edith, 3.....	Ontario
Merrill, Pearl, 2.....	McEwen	Simons, Selma, 3.....	Newberg
Metcalf, Kathryn, 2.....	La Grande	Singleton, Harriett, 1.....	La Grande
Miller, Gladys Evelyn, 2.....	La Grande	Slack, Vadis, 2.....	La Grande
Milne, Alyce, 1.....	La Grande	Sloat, Rachel, 3.....	Stanfield
Milne, Margaret, 2.....	La Grande	Smalley, G. Ruth, 2.....	La Grande
Moehake, Rhoma, 1.....	Beaver Creek	Smith, Alice Chenoweth, 2.....	Promise
Moore, Gertrude, 3.....	Ontario	Smith, Beulah, 3.....	Island City
Morton, Iris, 2.....	Portland	Smith, Dortha, 1.....	Pilot Rock

Smith, Ernest, 1.....	La Grande	Veit, Lyle, 1.....	Portland
Smith, Florence, 2.....	Elgin	Waite, Leo, 2.....	La Grande
Smith, Julia, 1.....	La Grande	Wakefield, Robert, 2.....	Union
Smith, Wilma, 1.....	La Grande	Wall, Deiva, 1.....	Nyssa
Smuckal, Verna, 2.....	Freewater	Walter, Elsie, 2.....	Ontario
Snyder, Della, 2.....	La Grande	Ward, Evelyn, 2.....	Prairie City
Scoter, Beulah, 1.....	Ontario	Watkins, Ellis, 1.....	La Grande
Sparks, Lurline, 1.....	Pendleton	Weber, Marjorie, 2.....	Athens
Stalker, Mariam, 2.....	Halfway	Weed, Beatrice, 2.....	Condon
Stark, Wanda, 1.....	Baker	Weeks, Robert, 1.....	La Grande
Stein, Roy, 1.....	La Grande	Weir, May, 1.....	Baker
Stephenson, Frances, 2.....	La Grande	Weir, Wyne, 1.....	Baker
Strain, Thelma, 1.....	La Grande	Welch, La Velle, 2.....	Long Creek
Strand, Richard, 1.....	La Grande	West, Edith, 2.....	Baker
Strickler, Dorothy, 2.....	Enterprise	Westenskow, Hester F., 2.....	Imbler
Sullivan, Dan, 1.....	La Grande	Westenskow, Portia, 2.....	Imbler
Sullivan, Florence, 1.....	La Grande	Wetzel, Louise C., 2.....	La Grande
Sullivan, Robert, 2.....	La Grande	White, Katherine, 1.....	Joseph
Sutton, Elizabeth, 2.....	Imbler	Whitehead, Rosalie, 2.....	Evans
Swift, Kenneth, 1.....	Baker	Wicklander, Carl, 1.....	Boardman
Taylor, Wava, 3.....	Pendleton	Wilde, Mary, 1.....	Clackamas
Temple, William, 1.....	Pendleton	Wilkinson, R. A., 3.....	La Grande
Thomas, Clare, 2.....	La Grande	Williamson, Hazel, 2.....	Pendleton
Thomas, Reta, 3.....	Weston	Wilson, Eldon, 1.....	Boardman
Thornburg, Leveta, 2.....	Parma, Idaho	Witty, Esther, 2.....	Elgin
Tillotson, Elsie, 1.....	Freewater	Witty, Luella, 2.....	Elgin
Tucker, Irene, 1.....	Heppner	Worden, Victoria, 2.....	La Grande
Turner, Edna, 1.....	La Grande	Worthley, Norman, 1.....	Portland
Tuveson, Ernest, 1.....	La Grande	Wright, Geraldine Smiley, 1.....	La Grande
Twidwell, Naoma, 2.....	La Grande	Zabala, Juanita, 1.....	Jordan Valley
Vandecar, Myrtle, 2.....	Durkee		

Monmouth: Oregon Normal School

ENROLLMENT 1931-32

Acree, Mrs. Blanche, 1.....	Hood River	Auderway, Audrey, 1.....	Lebanon
Adams, Harvey T., 1.....	Dufur	Austin, Lillian Beck, 2.....	Marshfield
Adams, J. Maurice, 1.....	Dufur	Aydlett, Owen, 2.....	Independence
Adams, Velma Moser, 3.....	Lyons	Ayers, Edith M., 2.....	Leaburg
Adamson, Sarah Grace, 2.....	Myrtle Creek	Aylesworth, Grace Golda, 1.....	Monroe
Aebi, Esther Arlene, 1.....	Dallas	Ayres, Alberta, 2.....	Wamic
Ailor, Charles C., 2.....	Monmouth	Ayres, J. Vernon, 2.....	Wamic
Ailor, Eloise Levering, 2.....	Monmouth	Bachlund, Albin Eric, 1.....	Warren
Albee, Georgia R., 2.....	Salem	Bacon, Theodore R., 2.....	Hebo
Albright, Christine Leonora, 1.....	Lebanon	Badley, B. Elinore, 1.....	Portland
Allard, Anna Laura, 1.....	Marshfield	Baier, Audrey Leona, 3.....	Portland
Allen, Alfred Thomas, 2.....	Portland	Baker, Blanche, 3.....	Independence
Allen, Alice Bernice, 2.....	Eugene	Baker, Robert, 2.....	Albany
Allen, Charlotte W., 2.....	Albany	Baker, Ruth L., 2.....	Newberg
Allen, Esther, 1.....	Forest Grove	Baker, Wilma Frances, 2.....	Manning
Allen, Katherine Ora, 2.....	Portland	Baldwin, Ella, 2.....	Scappoose
Allen, Sheldon L., 1.....	Portland	Baldwin, Wallace, 2.....	Scappoose
Amundson, Helen J., 2.....	Silverton	Bullangrud, Della, 2.....	Silverton
Anderson, C. Eleanor, 3.....	Sherwood	Barclay, Bertha Leola, 1.....	Alsea
Anderson, Margaret F., 2.....	Colton	Barclay, Jennie Frances, 2.....	Tidewater
Anderson, Nelle L., 2.....	Clatskanie	Barger, Francis Patrick, 1.....	Hood River
Anderson, Nels O., 3.....	Sherwood	Barker, Lloyd Russell, 1.....	St. Helens
Anderson, Sylvia I., 2.....	Oregon City	Barkley, Clara Loretta, 2.....	Sheridan
Anderson, William Theodore, 2.....	Manzanita	Barnes, Alyce Arlena, 2.....	McMinnville
Andrews, Lavona Bernice, 2.....	Milwaukie	Barnes, Warren B., 2.....	Cornelius
Angberg, Edith Louise, 2.....	Astoria	Barnett, Janice I., 2.....	Rainier
Annala, Levi S., 3.....	Hood River	Barr, Eleanor E., 2.....	Portland
Annala, Viene Esther, 3.....	Hood River	Bateman, Florence, 2.....	Gales Creek
Annala, Wilma Ruth, 2.....	Hood River	Bateman, Nina E., 2.....	Gales Creek
Applegate, Beulah Juanita, 2.....	Yoncalla	Bates, Walter Eugene, 1.....	Portland
Archer, Carol Catherine, 1.....	Portland	Bear, Dola Mae, 2.....	Reedville
Arnold, Harriet Eloine, 2.....	Salem	Beard, Inez Vesting, 1.....	Estacada
Armstrong, Claudia, 1.....	Portland	Beattie, Lillian Marion, 2.....	Aloha
Armstrong, Nan Hunter, 3.....	Corvallis	Beck, Walter, 2.....	Dallas
Arndt, Bertha Florentine, 1.....	Portland	Becker, Bernice, 1.....	Springbrook
Arnold, Arah Nell, 2.....	Goshen	Beckley, Marian Carolyn, 1.....	Salem
Asbahr, Helen Annette, 2.....	Hillsboro	Beehler, Fay LaFern, 2.....	Boring
Athey, Irene, 2.....	Portland	Begert, Matilda Emma, 2.....	Gaston

Beight, Doris M., 1.....Albany
 Beight, Paul D., 1.....Albany
 Benedict, Emma Conger, 2.....Albany
 Benedict, Opal J., 2.....Dufur
 Bell, Burton C., 3.....Rickreall
 Bennett, Julia Marian, 2.....Portland
 Bennette, Dolly Gertrude, 2.....McMinnville
 Benninger, Mary Lorraine, 2.....Horton
 Bentley, Dolly Lucille, 2.....Marquam
 Bentley, Gladys Fern, 2.....Hillsboro
 Benton, Eva G., 2.....Creswell
 Berg, Helen Josephine, 1.....Toledo
 Berger, Catherine E., 2.....Oregon City
 Berger, Oliva, 1.....Forest Grove
 Bergman, Nellie, 2.....Clatskanie
 Bestvater, Arthur W. J., 2.....Dallas
 Bickner, Edna K., 2.....Oswego
 Bidgood, Gungadene, 2.....Independence
 Bignness, Eleanor Ingebjorg, 2.....Portland
 Binshadler, Margaret, 2.....Lebanon
 Binshadler, Mrs. Theda A., 1.....Lebanon
 Bishop, Juanita, 2.....Monmouth
 Bixler, Alta Jennie, 2.....McMinnville
 Bjorg, Alleta Mildred, 2.....Knappa
 Black, Helen L., 2.....Portland
 Black, Lois Burch, 1.....Portland
 Blackley, Louis H., 1.....Oak Grove
 Blackley, Martin, 2.....Redmond
 Blodgett, Mary F., 2.....Monmouth
 Boekli, Anna Marie, 1.....Linnton
 Boelander, Lorraine Elizabeth, 2.....Oak Grove
 Bond, Herschel, 2.....Monmouth
 Bond, M. Velma, 3.....Monmouth
 Bond, Edna B., 2.....Monmouth
 Borjgo, Edna, 1.....Beaverton
 Boring, Milton D., 2.....Monmouth
 Bork, Dorothy M., 2.....Portland
 Bowers, Helen Carrie, 2.....Portland
 Bowman, Hazel Pearl, 2.....Molalla
 Bowman, Maxine Agnes, 2.....Oregon City
 Bowman, Mildred A., 2.....Bend
 Boyce, Ruth Ellen, 2.....McMinnville
 Brabham, Harriet Eleanor, 2.....Gresham
 Bradley, Margarethe M., 2.....Portland
 Bratcher, La Verne, 2.....McMinnville
 Brewer, Dorothy Zilman, 2.....Clatskanie
 Brigham, Bessie Ruth, 2.....Toledo
 Brinker, Margaret Ann, 1.....Freewater
 Briscoe, Marguerite Phyllis, 1.....Monmouth
 Brissenden, Mary Edna, 2.....Multnomah
 Bristol, Lura B., 2.....Newberg
 Brown, Kathryn, 2.....Portland
 Brown, M. Pearl, 2.....Baker
 Brown, Mildred, 2.....Sheridan
 Brown, March K., 2.....Roseburg
 Brown, Robert Henry, 1.....Eugene
 Brude, Vyrigel, 1.....McKenzie Bridge
 Brumbach, Katherine May Belle, 1.....The Dalles
 Brunk, Mrs. Dorotha B., 2.....Salem
 Bryant, Clare, 2.....Portland
 Bryant, Dorothy Rose Marie, 2.....Forest Grove
 Bryant, Mrs. Emma, 2.....Forest Grove
 Bryant, Lois Caroline, 1.....Moro
 Buchanan, Jean Elizabeth, 2.....Portland
 Buckley, Catherine, 2.....La Grande
 Buel, Lauren S., 2.....Tillamook
 Buhman, Franklin, 2.....Forest Grove
 Burch, Berta, 2.....Portland
 Burch, Ethel N., 2.....Independence
 Burch, Lennie Lou, 1.....Independence
 Burgess, Sybil Rose, 2.....Portland
 Burghardt, Inez Louise, 2.....Boring
 Burhardt, Ethel Christine, 2.....Bend
 Burk I., Helen, 3.....Salem
 Burkholder, Lovedy Douglas, 2.....Portland
 Buroker, Leora Fadelis, 1.....Aurora

Buroker, Lois Natalia, 2.....Aurora
 Burrell, Francois Irens, 2.....Portland
 Burrell, L. S., 2.....Portland
 Bura, Frank, 2.....Beaverton
 Bush, Golda Frances, 3.....Independence
 Bush, Irene M., 1.....Independence
 Bush, James II., 3.....Monmouth
 Bush, Mildred Leona, 3.....Independence
 Butcher, Ellen Edith, 2.....Hillsboro
 Butler, Mollie Pauline, 2.....Salem
 Butler, Yuba Dyer, 3.....Mayville
 Byington, Hazel M., 2.....Philomath
 Byrd, Arlene, 1.....Pilot Rock
 Cadwalander, Mildred Lorenc, 1.....Yamhill
 Caldwell, Ernest Paul, 2.....Scio
 Calef, Ernest, 3.....Monmouth
 Calger, Bertha, 2.....Oregon City
 Camberg, Alice Beatrice, 1.....Birkenfeld
 Campbell, Elizabeth, 2.....Clatskanie
 Campbell, Jeanne, 2.....Salem
 Cannon, H. Leone, 1.....Glide
 Cannon, Roy Edwin, 2.....Portland
 Carnes, Charles Burton, 1.....Pilot Rock
 Carothers, Raleigh F., 2.....Woodburn
 Carpenter, Fisie, 1.....Salem
 Cartier, Mabel Margaret, 2.....Portland
 Carter, Wynona Sarah, 2.....Walterville
 Case, Mrs. Josephine Shearer, 1.....Hillsboro
 Chamberlain, Earl L., 2.....Troutdale
 Chamberlain, Pearl, 2.....Corbett
 Chance, Irma, 1.....Vernonia
 Chapin, Elizabeth S., 1.....Post Falls, Idaho
 Chapin, Nell D., 1.....Tillamook
 Chapman, Audrey Iris, 2.....Seattle, Wash.
 Chapman, Florence, 2.....North Bend
 Chapman, Mabel Aileen, 3.....North Bend
 Chapman, Hal H., 2.....Salem
 Chapman, Odna Janette, 1.....Eugene
 Charlton, Arthur John, 2.....Portland
 Chase, Mary Pauline, 2.....Coquille
 Chestnut, Lawrence I., 2.....Cottage Grove
 Chicote, Jessie Lena, 3.....Suver
 Chunggren, Vivian Lucille, 1.....Mulino
 Choate, Charlotte A., 1.....Eugene
 Chorpening, Clinton D., 1.....Salem
 Christensen, Helen I., 2.....Monmouth
 Church, Marjorie Nine, 1.....Aurora
 Clark, Florence J., 2.....Tangent
 Clark, Marjorie E., 2.....Goble
 Clark, Verita M., 3.....Tangent
 Clarke, Jack, 2.....Monmouth
 Cleland, Maurice A., 2.....Portland
 Clem, Mary Anne, 1.....Lebanon
 Cloninger, Harry Hugh, 2.....Warren
 Clute, Crystal Fern, 2.....Portland
 Coberly, Emma C., 2.....Monmouth
 Coberly, Frances E., 2.....Monmouth
 Cochran, Alice L., 2.....Brownsville
 Coffey, Maud Myrtle, 2.....Silverton
 Cole, M. Ruth, 2.....Flora
 Coleman, Emma Elizabeth, 2.....Carlton
 Coleman, Mildred May, 1.....Monmouth
 Colvin, Ellen Louisa, 2.....Waldport
 Colvin, Mary McGregor, 2.....Deer Island
 Combs, Opal Mae, 2.....Waldport
 Comstock, Harold Louis, 1.....Monmouth
 Conn, Jo Ruth, 2.....Dayton
 Connell, Robert Carl, 1.....Amity
 Cook, Mrs. C. J., 2.....Portland
 Cooke, A. Pearl, 2.....Forest Grove
 Cooper, Edith Lavina, 2.....St. Helens
 Cooper, Lulu E., 2.....Portland
 Cornelius, Henrietta E., 1.....Hood River
 Cornelius, Hilda J., 2.....Cornelius
 Corser, Eva May, 2.....Aumsville
 Cory, Frances M., 2.....Lakeview
 Coulter, Olive E., 3.....Portland
 Cox, Eulalie F., 2.....Portland
 Cox, Ida Jane, 2.....Springfield

Cox, Lowell, 2	Ontario	Edwards, Harold E., 2	Portland
Craft, Charlotte A., 1	Corvallis	Edwards, Hugh Wilson, 2	Portland
Craig, Bertha Helen, 1	Portland	Ehmsen, Catherine Patricia, 2	Portland
Crawford, Grace L., 2	Canby	Ehmsen, Emma E., 2	Portland
Cree, Laurell Ora, 2	Salem	Eisert, Helen Caroline, 1	Milwaukie
Crofoot, Velma Irene, 2	Maupin	Ellingsen, Grace Miriam, 1	Coquille
Crook, Howard Bishop, 1	Monmouth	Ellingsen, Paulina Ruth, 2	Coquille
Crooks, Frances S., 1	Portland	Embree, Laura Evadna, 1	Monmouth
Cross, Bessie Lenora, 1	Molalla	Embree, Ivan, 3	Monmouth
Cross, Beulah May, 1	Silverton	Emmons, Loina Gertrude, 2	Jefferson
Crow, Martha Ellen, 1	Lostine	Emmott, Joyce Josephine, 2	Hillsboro
Crowe, J. Harvey, 2	Salem	Engebreetsen, Katherine A., 1	Rainier
Crowner, Mrs. Bessie D., 2	Lamesa, Calif.	Engebreetsen, Wilbur Odell, 2	Rainier
Cushman, Vesta D., 3	Marshfield	England, Ella Anderson, 2	Salem
Cutlbert, Celesta G., 1	Independence	Englund, Ellen Florence, 1	Hillsboro
Dailey, Clelah Mary, 2	Reedsport	Engle, Samuel W., 3	Molalla
Dailey, Myrtle Teresa, 1	Reedsport	Enslin, Mary Lee, 2	Salem
Dailey, Rheta Anne, 2	Reedsport	Erb, Louise Caroline, 1	Salem
Damron, Lee Roy, 2	Monmouth	Erickson, Gladys Pearl, 2	Oswego
Dannen, Adda Y., 1	Shedd	Erickson, Elsa Henrietta, 2	Rainier
Dannen, Eugene V., 1	Shedd	Erickson, Swea Mathilda, 2	Rainier
Dannen, Jack Jr., 2	Shedd	Ervin, Lillian Pearl, 2	Philomath
Daugherty, Blanche, 2	Molalla	Eshelby, James W., 2	Portland
Daugherty, Jeanne Vivian, 2	Portland	Espedal, Hazel Eleanor, 2	Portland
Davies, Thelma Fern, 2	Troutdale	Estes, U. Arline, 2	Portland
Davis, Edwin Blundell, 1	Monmouth	Etling, Fred, Jr., 2	Corbett
Davis, Ellen V., 2	Independence	Evans, Adeline Lu, 2	Troutdale
Davis, Evelyn R., 1	Independence	Evans, Joan, 2	Monmouth
Davis, Ila Mae Helen, 1	Aurora	Evans, Mrs. Willow E., 2	Monmouth
Davis, Leta, 2	Summit	Everhart, Bernicia L., 3	Molalla
Davis, Maud, 3	Monmouth	Fague, Wilma Margaret, 2	Portland
Dean, F. Louise, 1	Portland	Falbe, Edith, 2	Roseburg
DeGnath, Lena Mae, 2	Elkton	Falbe, Helen, 2	Roseburg
Demaray, Dorothy Mildred, 2	Dayton	Faller, Viola E., 2	Lebanon
Dempsey, Alma O., 3	Rickreall	Fargher, Ellen, 1	Dufur
Jennis, Viola E., 2	Dallas	Farley, Dorothy Grace, 2	Portland
DePries, Eva L., 1	McCoy	Fast, Dorothy Drill, 2	Willamina
DeRigio, Edith Marie, 2	Portland	Fay, Hazel Ruth, 2	Harlan
Derrick, Letha Vera, 2	Fossil	Fayman, Chloris, 1	Hillsboro
DeSantis, Mary Josephine, 2	Portland	Feller, Mary Elizabeth, 2	Turner
Detering, Floyd, 2	Vancouver, Wash.	Felt, Ruth E., 2	Monmouth
Devlin, Anna Elizabeth, 2	Portland	Ferguson, Margaret S., 2	Lafayette
Dickerson, Heleen E., 2	Monmouth	Ferguson, Mary Jo, 2	Monmouth
Dickie, Marguerite A., 2	Portland	Fesler, Floyd Clifford, 1	Monmouth
Dillon, Ella, 2	Craic	Finigan, Holly May, 2	Goble
Dodds, Phillip R., 1	Monmouth	Finn, Betty Lou, 2	McCoy
Dodson, Maurice Henry, 2	Airlie	Finn, Winona J., 3	McCoy
Doherty, Margaret Ann, 1	Trout Lake	Fishback, Elton, 1	Monmouth
Doherty, Rosella Cecelia, 2	Lexington	Fisher, Lucille Amelia, 2	Dayton
Dolan, Joe Edward, 1	Houlton	Fisher, Rhoda Delilah, 2	Hubbard
Dolan, Mildred Irene, 2	Houlton	Fisher, Ruth Elizabeth, 2	Hubbard
Dorner, Marie Sally, 2	Portland	Fisher, Virginia Craine, 2	Portland
Dougall, Edna Grace, 1	Princeton	Fleming, Catherine Blakely, 2	Monmouth
Doughty, John Paul, 2	Monmouth	Fleming, Winona Margaret, 1	McMinnville
Downing, Catherine, 2	Portland	Fluaitte, Esma, 1	Eugene
Drager, Margaret Marie, 2	Salem	Foland, Millie Ethel, 2	Portland
Drake, Mary Emily, 2	Portland	Ford, Ruth Agnes, 2	Myrtle Point
Drew, James W., 2	Newberg	Foster, John Anderson, 1	Independence
Drew, Shirley Edith, 1	Creswell	Foster, Margaret Christine, 1	Vancouver, B. C.
Drew, Wanda, 2	Bandon	Fralick, Elsie Edith, 2	Portland
Drorbaugh, Mabel, 2	Salem	Frantz, Edson, 1	Hoskins
Drury, Warren H., 1	Portland	Frazier, Evelyn, 1	Silverton
Duellgen, Ira Merle, 2	Airlie	Freeman, Laura Loana, 1	Scio
Duffield, Evelyn Elsie, 1	Portland	French, Geraldine Alice, 2	Blaine
Dumbeck, Helen E., 2	Albany	Frewing, Dorothea Ermine, 2	Rickreall
Dunivan, Janice, 2	Mill City	Friend, Frances Ann, 2	Woodburn
Dunn, Edith Mary, 1	Dallas	Fruzell, Frances Percival, 2	Monmouth
Dunrud, Lena Esther, 2	Molalla	Fuller, Evangeline Bellefontaine, 1	Hillsboro
Dunton, Ruby Esther, 2	Molalla	Fuller, Margaret E., 2	Portland
Dunsmoor, Anna Lovisa, 1	Forest Grove	Galbreath, Don, 2	Sherwood
Dupont, Glenn Herbert, 1	Knappa	Gardner, Mildred Ollie, 2	Scio
Durch, Ona, 2	Roseburg	Garner, Joseph Samuel, 2	Dallas
Durraad, Gladys May, 3	Marshfield	Gates, Doris Fagnell, 1	Scappoose
Dutton, Dorothy Dell, 2	Portland	Geer, Edna, 2	Spray
Duvall, Erma Blanche, 2	Lexington	Geer, Neva Mary, 2	Burns
Earl, Homer L., 3	Perrydale	Geiger, Freda, 2	Portland
Easterly, Zoa Estelle, 1	Hood River		
Eatinger, L. Audrey, 2	Monmouth		
Eckman, Helen Louise, 2	Portland		

George, Beulah Mae, 1..... Oregon City
 Georgesen, Edith May, 1..... Portland
 Gerlach, Evelyn Newell, 1..... Scappoose
 Gibson, Bertha M., 1..... Hood River
 Gibson, Robert O., 2..... Princeton
 Gibson, William L., 1..... Galt, Calif.
 Gilkerson, Virginia, 2..... Hood River
 Gilchrist, Arleta Ferne, 1..... Prineville
 Gill, Frances Lynn, 3..... Monmouth
 Gill, Isabel, 2..... Newberg
 Gill, May, 2..... The Dalles
 Gilling, Eida, 2..... Monmouth
 Gillespie, Georgia Idella, 2..... Albany
 Gillilan, Carmen Leone, 2..... Portland
 Glad, Mildred L., 2..... Tillamook
 Ginther, John Keith, 2..... Lebanon
 Glaser, Maurice John, 2..... Bend
 Gnos, Frances M., 2..... Cornelius
 Goar, John Walton, 1..... Scio
 Goar, Mary Lois, 2..... Scio
 Godsey, Doris E., 2..... Salem
 Godsey, Emza, 1..... Salem
 Goetz, Robert Harold, 2..... Silverton
 Goode, Zoia Marie, 3..... Multnomah
 Goodnight, Marquita, 2..... Creswell
 Gordon, Paul A., 3..... Cottage Grove
 Gosa, La Velle Hortense, 2..... Toledo
 Gowdy, Lucille Land, 2..... Cottage Grove
 Gowen, Chester Clyde, 1..... McMinnville
 Goyette, Hazel Lillian, 2..... Silverton
 Goyette, Irene B., 2..... Silverton
 Grady, Agnes Florence, 1..... Portland
 Graf, Vera, 1..... Shedd
 Graham, Gladys B., 2..... Monmouth
 Graham, Helen Jean, 2..... Sherwood
 Graham, Wylie J., 1..... Monmouth
 Graham, Yvonne Lillian, 2..... Corvallis
 Grand, Mary M., 2..... Hillsboro
 Gray, Delta Mae, 2..... Portland
 Gray, Elizabeth B., 2..... Bend
 Grebe, Jean Lenore, 2..... Portland
 Green, Kate, 2..... Eugene
 Gregerson, Marie H., 1..... Mount Angel
 Grentzenberg, Blanche Margaret, 2..... Salem
 Gretsck, Peter Simon, 1..... Ridgfield, Wash.
 Grim, Evelyn Mabel, 2..... Aurora
 Grimm, Bonnie L., 2..... Salem
 Grischow, Alma Caroline, 2..... Portland
 Grivey, Mary Alwilda, 1..... Junction City
 Gronewald, Hazel Huntington, 2..... The Dalles
 Groth, Florence, 1..... LaFayette
 Groth, Agnes, 2..... LaFayette
 Grousebeck, Alma Ruth, 1..... Creswell
 Grubb, Raymond Cornelius, 2..... The Dalles
 Grund, Stanley Al, 3..... Monmouth
 Gustafson, Bert L., 1..... Corvallis
 Gwillim, Janet Mary, 2..... Oregon City
 Gwillim, Richard D., 1..... Oregon City
 Hadley, Beryl Jocelyn, 1..... Dayton
 Hadley, Merry Esther, 1..... Dayton
 Hadsell, Ernest Howard, 1..... Portland
 Haeske, Leslie Richard, 1..... Bellingham, Wash.
 Hagmeier, Jean L., 2..... Monmouth
 Hagmeier, Ruth Cito, 2..... Astoria
 Hales, Mary Ethel, 1..... Salem
 Hall, Amy E., 1..... Newberg
 Hall, Bertha Tallmadge, 2..... Monmouth
 Hall, Helen, 2..... Longview, Wash.
 Hall, Irene Florence, 2..... Yamhill
 Hall, Myrtle Elaine, 3..... Vernonia
 Hall, Virginia May, 2..... Lebanon
 Haller, Joseph Charles, 2..... Foster
 Halliday, Eleanor J., 2..... Parkdale
 Halliday, Elsie Charlotte, 2..... Oregon City
 Halliday, Jean, 3..... Oregon City
 Halvarson, Elsie Louise, 2..... Cherry Grove
 Halversen, Mary Bowersox, 3..... Monmouth
 Hamar, Verda Ellen, 3..... Monmouth

Hamilton, Earl M., 2..... Monmouth
 Hamilton, Eva Mae, 1..... Rickreall
 Hammill, Kenneth Clark, 2..... Stanfield
 Hansen, Virginia, 2..... Portland
 Hanson, Mildred, 2..... North Bend
 Harden, Laura Alice, 1..... Portland
 Hardie, Grace, 2..... Condon
 Harding, Phyllis Elizabeth, 2..... Portland
 Harp, Fred, 2..... Salem
 Harrah, Althea Lane, 3..... Allegany
 Harris, Elizabeth Helen, 1..... Newberg
 Harris, Florence, 1..... Jefferson
 Harris, Iva Donnelly, 2..... Portland
 Harris, Nellie Lenora, 2..... Houlton
 Hart, Jessie M., 3..... Gaston
 Hart, Pauline, 2..... Gervais
 Hartfeld, Martha J., 2..... Arlington
 Hartzell, Lela E., 2..... Portland
 Hathaway, Mildred Price, 2..... Philomath
 Hatan, Beth, 2..... Portland
 Hawley, Ellen Ireta, 2..... Monmouth
 Hawley, Rosa, 2..... Monmouth
 Hawver, Christine M., 2..... Multnomah
 Hayden, Pearl C., 1..... Gresham
 Haynes, Frances Evelyn, 2..... Sherwood
 Hays, Alexander Brooks, 1..... Monmouth
 Hays, Bessie Beatrice, 2..... Oregon City
 Hazlett, Mary Katherine, 2..... The Dalles
 Heath, Jessie Hunt, 1..... Salem
 Hedges, Margaret Jane, 2..... The Dalles
 Hedlund, Alta N., 2..... Brownsville
 Heinz, Ben F., 1..... Aurora
 Heinz, Helen Eleanor, 2..... Aurora
 Helyer, Della Leah, 2..... Kent
 Hendrickson, Grace Sophia, 2..... Seaside
 Henkle, Lucile Ruth, 2..... Portland
 Herglund, Agnes Evelyn, 3..... Newberg
 Hershberger, Mary, 2..... Independence
 Hess, Alice Eileen, 1..... Aurora
 Hewitt, Marjory, 2..... Lebanon
 Hewitt, Greta Prime, 3..... Salem
 Hiatt, Dan H., 2..... Monmouth
 High, Lewis Allen, 1..... Lebanon
 Hildebrand, Abe T., 1..... Dallas
 Hill, Dorothy Hulda, 3..... Independence
 Hiller, Undine Dannen, 3..... Corvallis
 Hillman, Laura Mathilda, 2..... The Dalles
 Hinkle, Elizabeth Jane, 3..... Oregon City
 Hinton, Ella V., 1..... Monument
 Hisey, Helen Katherine, 2..... Gresham
 Hite, Edgar, 2..... Boring
 Hiteman, Beatrice Rae, 2..... Cloverdale
 Hockema, Orval Andrew, 1..... Monmouth
 Hockett, Grace Tyler, 1..... Monmouth
 Hoagland, Mary Josephine, 2..... Walla Walla, Wash.
 Hodgson, Margaret, 1..... Linnton
 Hoff, Hazel Maria, 2..... Portland
 Hogan, Mary H., 1..... Portland
 Hogue, Valma Margaret, 3..... Portland
 Hohman, Elta Bessie, 2..... Cottage Grove
 Holaday, Mary Elizabeth, 1..... Monmouth
 Holesman, Mildred Ethel, 2..... Albany
 Hollingsworth, Jay, 2..... Portland
 Hollinsworth, Walter Maurice, 2..... Monmouth
 Holt, Floyd Lewis, 2..... Dallas
 Holt, Lauretta Lena, 1..... Independence
 Holznagel, Ruby Otillie, 2..... Sherwood
 Hooker, Clara Mae, 2..... Crow
 Hoosier, Doris Jessie, 2..... Monmouth
 Hopkins, J. Clyde, 2..... Banks
 Hopkins, Moxie I., 2..... Banks
 Horgan, Alma Frederickson, 2..... Willowdale
 Horner, Altove, 2..... Lebanon
 Horning, Elizabeth Louise, 2..... Portland
 Horsky, Louise Rose, 2..... Albany
 Hoskins, Odella H., 2..... Stanfield
 Hoskins, Opal, 2..... Stanfield
 Hoss, Helen M., 1..... Gresham

Houghton, Iola Mae, 2.....	Vancouver, Wash.
Howe, Birdie Evangeline, 2.....	Turner
Hubbard, Dorothy Erskine, 1.....	Salem
Hubbert, Mildred, 1.....	Portland
Huber, Ila E., 2.....	Monmouth
Hudson, Estla M., 2.....	Grande Ronde
Huff, Mary Elizabeth, 1.....	Beaverton
Hughes, Grace Geneva, 1.....	Grass Valley
Hulery, Gladys Vivian, 3.....	Junction City
Hull, Velma Edwards, 2.....	The Dalles
Hult, Alice M., 1.....	Eugene
Hult, Eda Geraldine, 2.....	Eugene
Hummel, Alyce E., 2.....	Yoncalla
Humphrey, Gertrude R., 1.....	Jasper
Humphreys, Louise M., 2.....	Oregon City
Humphreys, Mary Aurora, 2.....	Stayton
Hunsaker, Olive, 1.....	Toledo
Hunter, Bessie M., 3.....	Cloverdale
Huntington, Helen E., 2.....	Sisters
Huntington, Perry P., 1.....	Sisters
Huntington, Ruth Webster, 2.....	Sisters
Hurley, Virginia, 2.....	Portland
Huston, Leo, 2.....	Portland
Huston, Velma Faye, 2.....	Tone
Ingalls, Cal B., 2.....	Monmouth
Irons, Hazel Agnes, 2.....	Salem
Jungcn, Louise Eugenia, 3.....	Jefferson
Jackson, William L., 2.....	Mitchell
Jarmon, Shirley A., 3.....	Echo
Jeffries, Wilma Luethc, 2.....	Linton
Jensen, Adrienne Mary, 2.....	Portland
Jensen, Esther, 2.....	Marshfield
Jensen, Frances Cecilia, 1.....	Monmouth
Johanson, Mary Margaret, 1.....	Monmouth
Johnson, Alice Baker, 3.....	Portland
Johnson, Alice M., 2.....	Estacada
Johnson, Arlene E., 1.....	Portland
Johnson, Catherine Ida, 2.....	Goble
Johnson, David, 2.....	Portland
Johnson, Dorothy M., 2.....	Seaside
Johnson, Earl LeRoy, 1.....	Monmouth
Johnson, Edith Mary, 2.....	Gresham
Johnson, Edna Cason, 2.....	Blaine
Johnson, Evelyn Ruth, 1.....	Monmouth
Johnson, Irene, 2.....	Boring
Johnson, Josephine D., 1.....	Moro
Johnson, Junia M., 2.....	Hillsboro
Johnson, Maude M., 1.....	Wanic
Johnson, Maude Young, 2.....	Eugene
Johnson, Orville Lawrence, 1.....	Gresham
Johnson, Oscar Lee, 1.....	Scappoose
Johnson, Vincent, 1.....	Independence
Johnson, Wynona, 2.....	Portland
Jones, Irene L., 2.....	Portland
Jones, Grace W., 2.....	Monmouth
Jones, Henrietta G., 2.....	Monmouth
Jones, Mark Edward, 1.....	Beaverton
Jones, Rex, 2.....	Salem
Jordan, D. Craig, 2.....	Baker
Jorgensen, Elsie Joan, 2.....	Toledo
Joshi, Dorothy, 2.....	Lebanon
Kabler, Douglas, 2.....	Creswell
Kallander, Kristine Ann, 2.....	Portland
Kallunki, Aili Elizabeth, 2.....	Clatskanie
Kane, Mildred Olive, 2.....	Portland
Karasti, Saima Elaine, 2.....	Clatskanie
Kayler, Elmerine, 2.....	Bend
Keebler, Robert H., 1.....	Lebanon
Kelly, Helen Mordorette, 1.....	Jennings Lodge
Kelly, William W., 2.....	Independence
Kennedy, J. W., 2.....	Monmouth
Kennedy, Loretta Mary, 2.....	Portland
Kennedy, Lucille Lois, 2.....	Monmouth
Kenzler, Florence, 3.....	McMinnville
Kerr, Alpha Elizabeth, 2.....	Hillsboro
Kerr, Marguerite, 3.....	Portland
Kidd, Florence Genevieve, 3.....	Portland
Kidney, Audrey M., 2.....	Clatskanie
Kieren, Dorothy Mary, 2.....	Portland
Kindler, Flora May, 1.....	Portland
Kingston, Mary Elizabeth, 2.....	Laurel
Kirgitt, Anne, 2.....	Portland
Klein, Wayne Lyle, 3.....	Covallis
Klindt, Doris M., 2.....	The Dalles
Knapp, Duane S., 2.....	Molalla
Knutson, Mrs. Inez, 2.....	Gaston
Koellermeier, Hazel Belle, 1.....	Oregon City
Kollas, Joseph Edward, 1.....	Hood River
Kovtynovich, Frances, 1.....	Oswego
Kraxberger, Helen Ella, 1.....	Oregon City
Kreig, Doris Hermina, 1.....	Independence
Kruchek, Lynette, 1.....	Hillsboro
Kruchek, Myrtle E., 2.....	Hillsboro
Kruger, Gertrude A., 3.....	Moro
Krumbein, Emma J., 3.....	Moro
Kutch, Zola Elizabeth, 2.....	Yamhill
Kyllo, Nellie Fay, 2.....	Monmouth
Lacy, Margaret Belle, 2.....	Portland
LaFayette, Ruth Rice, 2.....	Brownsville
Lakin, Evelyn E., 2.....	Hood River
LaMarr, Helen, 2.....	Shedd
Lambert, Mrs. Theodosia, 3.....	Monmouth
Lang, Theodore, 2.....	Monmouth
Larabee, Clyde Edward, 1.....	Adams
Larimer, Helen Mildred, 2.....	Fall Creek
Larkin, Gertrude Elizabeth, 2.....	Rickreall
Larkins, Alma M., 2.....	Mulino
Larry, Helen Molly, 2.....	Astoria
Larson, Enid A., 2.....	Harrisburg
Larson, Gladys C., 1.....	Amity
Larson, Mona Elizabeth, 2.....	Portland
LaRue, Elizabeth, 1.....	Salem
Latimer, James Evan, 1.....	McMinnville
Laswell, Vern Jules, 2.....	Oakland
Laukat, Rose, 1.....	Portland
Laurence, Cecille, 2.....	Monmouth
Lavin, Kathleen Agnes, 1.....	Portland
Law, Lillie L., 3.....	North Powder
Lawrence, Helen Vincent, 3.....	Portland
Lebold, Estella Mary, 2.....	Salem
Leclairs, Bernadine Manervia, 2.....	Toledo
Lee, Evelyn Erma, 1.....	Gaston
Lee, Lyle L., 1.....	Galles Creek
Lee, Ona Lucy, 2.....	Alpine
Leeding, Dorothy, 2.....	Portland
Lees, Lolita Reeder, 2.....	Portland
LeGett, Lottie L., 2.....	Canby
Lehman, Elwood Henry, 2.....	Molalla
Lehr, Helen Lena, 2.....	Columbia City
Leist, Dorothea, 1.....	Portland
LeKander, Ruby Lovina, 2.....	Gresham
Lemons, Hazel N., 2.....	Mt. Vernon
Leonard, Marjorie E., 2.....	Portland
Lettow, Helen Margaret, 2.....	Portland
Lewis, Eunice Cynthia, 2.....	Aumsville
Lewis, Lillie, 1.....	Astoria
Lewis, Margaret M., 2.....	Astoria
Lewis, Maxwell, 2.....	Tigard
Lietman, Esther Marie, 2.....	Grand Ronde
Lierman, Ruth Martha, 2.....	Grand Ronde
Lillis, Frances, 3.....	Portland
Lind, Ingrid Alfhelda, 2.....	Portland
Lindamood, Alma Lucille, 2.....	Bradwood
Lindborg, Magdalene, 2.....	Portland
Limes, Nellie Elizabeth, 1.....	Monmouth
Lingman, Helen Frances, 1.....	Portland
Linn, Alice Head, 3.....	Siletz
Linn, Zuna Virginia, 2.....	Oregon City
Linneberg, Helen Louise, 1.....	Portland
Linnett, Lois Eleanor, 1.....	Portland
Little, Eva M., 1.....	Dayton
Little, George Allen, 2.....	Portland
Lister, Edward Symes, 2.....	Nashville
Litton, Margaret Carrol, 2.....	Tigard
Livsey, Ruth, 3.....	Condon
Lofton, Nora, 2.....	Court Rock
Lohr, Dorice E., 2.....	Portland
Long, Almeda Jeanette, 2.....	Albany

Long, Clara C., 2.....	Oregon City	McPherson, Margaret E., 2.....	Dallas
Long, Delbert W., 1.....	Hebo	McQueen, Amanda Ellen, 2.....	Holley
Long, Orla, 2.....	Rainier	McTavish, Mary Mabel, 2.....	Gervais
Loomis, Mildred E., 2.....	Portland	Wegley, Mary E., 2.....	Foster
Lorentz, Nellie Leona, 2.....	Trent	Mehl, Gretchen, 2.....	Coquille
Loucks, Robert H., 2.....	Brownsville	Meierjürgen, May, 1.....	Hillsboro
Louden, Betty M., 2.....	Clatskanie	Merrick, Jane Mary, 1.....	Independence
Lovelett, Muriel Joy, 2.....	Willamina	Metsker, Alice Katharyn, 1.....	St. Helens
Loving, Eugene Harry, 2.....	Gales Creek	Mettie, Zena Victory, 2.....	Pendleton
Lowe, Audrey M., 2.....	Rainier	Middleswart, Alice A., 2.....	Parkdale
Lowe, John H., 1.....	Astoria	Mielke, Helen Marie, 2.....	Salem
Lowther, Lenora Selma, 2.....	Gaston	Miller, Evalynne H., 2.....	The Dalles
Lucas, Lois Marguerite, 2.....	Troutdale	Miller, Florence C., 2.....	Yoncalla
Lucas, Mildred M., 2.....	Portland	Miller, Helen Wohlheter, 2.....	Woodburn
Lucas, Violet Arletta, 2.....	Portland	Miller, Margrette Evans, 2.....	Portland
Lund, Clark, 2.....	Boring	Miller, Minnie B., 2.....	Salem
Lundboom, Mary Virginia, 1.....	Gresham	Miller, Ruth Maurine, 2.....	Parma, Idaho
Lusby, George W., 3.....	Corbett	Misslich, Mildred Mays, 1.....	Portland
Lusby, Nabel, 3.....	Eugene	Mitchell, Durthalene, 2.....	Oregon City
Lynds, Florence Louise, 2.....	Portland	Mitchell, Robert Owen, 3.....	Multnomah
Lyons, Faye Mack, 3.....	Corvallis	Montgomery, Marjorie Carol, 2.....	Portland
Mabley, Christel Inez, 2.....	Monmouth	Mooney, Marybeth Margaret, 2.....	Flood River
MacDonald, Keitha, 2.....	Salem	Moore, Clara Ethel, 2.....	McMinnville
Mack, Gilbert Arthur, 1.....	Amity	Moore, Clara May, 2.....	Rainier
Mack, Herschel L., 1.....	Amity	Moore, Emory Edgar, 1.....	Newport
Mack, Ruth Ellen, 3.....	Independence	Moore, Mattie E., 2.....	Kimberly
MacMillan, Dorothy Brock, 2.....	Lebanon	Moore, Vernie M., 2.....	Kimberly
Maki, Lillian K., 2.....	Rose Lodge	Morris, Mrs. Laura C., 1.....	Hermiston
Mallory, Roy W., 2.....	Newberg	Morris, Pauline W., 2.....	Hermiston
Mangie, Gladys Eleanor, 1.....	Corvallis	Morris, Sara Jewell, 1.....	Lebanon
Mann, Mattie R., 2.....	Cornelius	Morrow, Doris Lorraine, 1.....	Marcola
Marquiss, Katherine L., 2.....	Salem	Morrow, Zaida Lillian, 1.....	Marcola
Marrs, Wilhelmina, 2.....	Portland	Morzer, Jeola Cyrene, 2.....	North Bend
Marsh, Bessie A., 3.....	Mosier	Moses, Anna Mary, 2.....	Portland
Marshall, Iris Acquilla, 2.....	Voltage	Mosteller, Jean Katherine, 1.....	Westport
Martin, Calvin Clarence, 1.....	Portland	Mottau, Jane Mary, 1.....	Portland
Martin, Charlotte Elizabeth, 1.....	Portland	Mullenhoff, Marie Dorothea, 2.....	Gresham
Martin, Gwendolyn, 1.....	Aumsville	Muller, Bertha W., 1.....	Tygh Valley
Martin, Lillian M., 2.....	Summit	Mulvahill, James Michael, 1.....	New Bridge
Martin, Margaret Merle, 2.....	Aumsville	Murdoch, Earle Mae, 1.....	Monmouth
Martin, Verona, 2.....	Monmouth	Murdoch, Fay Josephine, 1.....	Monmouth
Martinson, Avis A., 2.....	Waldport	Murphy, Georga Bernice, 2.....	Monmouth
Martinson, Elsie L., 2.....	Tidewater	Myers, Mrs. Flossie C., 1.....	Monmouth
Masson, Kenneth F., 2.....	Monroe	Naef, Ruth Emma, 1.....	Minwaukie
Masson, Olive R., 2.....	Monroe	Narver, Mrs. Mabel, 2.....	Amity
Mathis, Doris E., 2.....	Yoncalla	Needham, Mrs. Mabel C., 2.....	Salem
Mathis, Helen A., 2.....	Yoncalla	Negro, Margaret Anna, 2.....	St. Helens
Matthecheck, Harriet, 2.....	McMinnville	Nelson, Anna E., 1.....	Newberg
Matthews, Jeanneta Sloan, 2.....	Roseburg	Nelson, Barbara Agnes, 2.....	Portland
Maulding, Eunice Josephine, 1.....	Silverton	Nelson, Helen Ernst, 2.....	Portland
Mauney, Floyd Ernest, 1.....	Trent	Nelson, Juanita, 1.....	Monmouth
May, Lena Emily, 1.....	Dallas	Nelson, Lou, 2.....	Westfir
Mayfield, Leila M., 2.....	Sheridan	Nesbitt, Marjorie Esther, 1.....	Portland
McAyeal, Margaret Elia, 1.....	Portland	Ness, Milton Paul, 2.....	Silverton
McCain, Kathleen Mildred, 2.....	Eugene	Newth, Mrs. Alice, 2.....	Monmouth
McClay, Margery Evangeline, 1.....	Reedsport	Newton, Everett, 2.....	Corvallis
McCleendon, Ida G., 1.....	Stayton	Nicholson, Frances M., 2.....	Portland
McCleendon, L. B., 2.....	Stayton	Nielsen, Mrs. Fannie, 2.....	Mosier
McClintock, Elizabeth Ellen, 2.....	Yamhill	Niemela, Ida Emelia, 2.....	Mayer
McClure, Noma C., 1.....	Silverton	Nolan, Edith Esther, 2.....	Lostine
McCollough, Helen, 2.....	Aumsville	Noreen, Amy Lillian, 2.....	Gresham
McCoy, Mrs. Ethel L., 2.....	Salem	Norton, Mary E., 2.....	Blachly
McCrae, Kathleen, 2.....	Monmouth	Nyman, Inez, 3.....	Kings Valley
McCumsey, Gladys A., 3.....	Portland	Nyman, Ruth Alice, 1.....	Portland
McCurry, Mary Ella, 1.....	Greencastle, Ind.	Oashcim, Sylvia, 2.....	Bay City
McDonald, Blanche Kneale, 1.....	McMinnville	O'Brien, Elizabeth Jean, 2.....	Echo
McDougall, Eva M., 1.....	Newberg	O'Brien, Joseph Marion, 1.....	Wapanitia
McDowell, Ethel Anna, 3.....	Salem	O'Brien, Mary Alexandria, 2.....	Wapanitia
McDowell, Winabeth F., 2.....	Hillsboro	O'Connor, Doris Adele, 2.....	Portland
McEldowney, Frank, 3.....	Monmouth	O'Keefe, John Philip, 2.....	Willamina
McEldowney, William, 2.....	Monmouth	O'Keefe, Peggy Irene, 2.....	Prineville
McFarland, Bessie Alma, 1.....	Prineville	Olsen, Alice E., 2.....	Gateway
McGatchie, Estelle Newell, 1.....	Gladstone	Orr, Berna D., 2.....	McMinnville
McKay, Lillian Ingalls, 1.....	Hubbard	Orwick, William Howard, 3.....	Dayton
McKenzie, Harold H., 1.....	Oakridge	Ostling, Hilma Margaret, 2.....	Gresham
McKenzie, Kenneth Arthur, 1.....	Oakridge	Papke, June Erma, 2.....	Philomath
McKern, Mildred, 1.....	Monmouth	Parker, Edith Wanke, 3.....	Oregon City
McMillan, Alfred M., 2.....	Corvallis	Parkinson, Lois Maine, 1.....	Paisley
McMullen, Mary Arlounie, 2.....	Otis	Parmenter, Grace M., 2.....	Corvallis

Pasero, Angelo, 2.....	St. Helens	Richards, Grace L., 3.....	Aumsville
Patterson, Emily Louise, 1.....	Hillsboro	Richards, Jessie Lorncne, 2.....	Aumsville
Patton, Helen Clare, 3.....	Portland	Rice, Orrin S., 2.....	Marquam
Patton, Mary Edith, 2.....	Gaston	Riches, Waldo, 2.....	Turner
Paul, Henrietta, 2.....	Princeton	Riddle, Eldon, 2.....	Portland
Paul, Myrabel Bloom, 3.....	Neskowin	Riddle, Lorene Moulten, 2.....	Portland
Payton, Mabel, 3.....	Monmouth	Riddle, T. Eldon, 2.....	Monmouth
Pearce, Frances Edna, 2.....	Newberg	Ridge, Harry, 1.....	Monmouth
Peck, Helen Louise, 2.....	Woodland	Rigollet, Juliet R., 2.....	Oregon City
Pendleton, Lucille A., 2.....	Salem	Riley, Clarence Richard, 2.....	Portland
Pepperling, Ina, 2.....	Scio	Riley, Greek, 3.....	Monmouth
Perry, Thelma Eunice, 2.....	Bend	Riley, Madeline R., 2.....	Monmouth
Person, Esther A., 2.....	Toledo	Riley, Pauline, 3.....	Monmouth
Peters, Edythe Marie, 2.....	Oswego	Ring, Marie Kathryn, 3.....	Monmouth
Peters, Leila Marie, 2.....	Banks	Ritchey, Melva, 2.....	John Day
Peterson, Helen O., 2.....	Knappa	Ritter, Florence Margaret, 2.....	Portland
Peterson, Mary Jane, 2.....	Boring	Roberg, Lilly, 2.....	Portland
Peterson, Theodore P., 2.....	Elkton	Roberts, June Juneva, 2.....	Lebanon
Petteys, Manville Roby, 2.....	Portland	Robertson, Charles Andrew, 3.....	Brownsville
Pfahl, Theodore, 3.....	Hillsboro	Robertson, Mabel Jane, 1.....	Toledo
Pheleps, Neta Louise, 2.....	Toledo	Robertson, Maxine Ellen, 1.....	Portland
Phillbrick, Pearl M., 3.....	Fossil	Robinson, Edith Ellen, 2.....	Camas, Wash.
Phillips, Chester, 1.....	Monmouth	Robinson, Elsie May, 1.....	Bend
Phillips, Iris La Verne, 3.....	Portland	Robinson, Mary Margaret, 1.....	Portland
Phillips, Wanda Mae, 2.....	Albany	Rodda, Grace, 1.....	Hermiston
Pierson, Doris Howard, 2.....	Halsey	Rodenbough, Leota M., 2.....	Springfield
Pike, Lily Lorena, 2.....	Monmouth	Robbins, Deland, 1.....	Molalla
Pinney, H. Louise, 2.....	Portland	Rogers, Avia Marie, 3.....	Portland
Pirtle, Cora I., 1.....	Eugene	Rogers, Jean Rosalie, 1.....	Hillsboro
Plank, Myrtle Viola, 2.....	Cottage Grove	Rogers, Joe Warren, 1.....	Independence
Plummer, Elizabeth Anne, 2.....	Portland	Rogers, Lura, 2.....	Springfield
Plummer, Gladys M., 2.....	Dallas	Romiti, Rina Ann, 1.....	St. Helens
Plunkett, Homer Whiting, 2.....	Philomath	Root, Helen G., 2.....	Portland
Pollock, Rene, 2.....	Forest Grove	Root, Neva Janet, 2.....	Tigard
Poole, Alvin N., 2.....	Monmouth	Roth, Kenneth Stoddard, 1.....	Monmouth
Pope, Mary Alfredda, 2.....	Corvallis	Roth, Norman, 2.....	Monmouth
Porter, Alta Fay, 2.....	Forest Grove	Rossmann, Ruth Rae, 2.....	Junction City
Porter, Jean Nesbitt, 2.....	Portland	Rude, Dorothy Evelyn, 1.....	Portland
Pounder, Crystal Lillian, 2.....	Corbett	Ruef, Cecil Esily, 3.....	Independence
Powers, Louise Mae, 2.....	Grand Ronde	Rugh, Verletta, 2.....	Pilot Rock
Price, B. Elizabeth, 2.....	Wells	Ruther, Augusta, 2.....	Sandy
Price, Claire M., 2.....	Monmouth	Rutschman, Carl Ferdinand, 2.....	Suver
Price, Katherine, 1.....	Rickreall	Ryan, Margaret, 3.....	Nashville
Pritchett, Alice A., 1.....	Philomath	Rybnick, Lily Elizabeth, 2.....	Monmouth
Fruit, Thelma I., 2.....	Burns	Rydel, Crystal Lee, 1.....	Monmouth
Pugsley, Irene, 2.....	Burns	Rydeen, Viola Yvonne, 2.....	Portland
Puusti, Laina Marie, 2.....	Astoria	St. Clair, Margaret L., 2.....	Gresham
Quartier, Clarence Napoleon, 1.....	Independence	Salmi, Marie I., 2.....	Marshfield
Query, Julia M., 2.....	Salem	Sandstrom, Helen Victoria, 2.....	Boring
Quick, Mabel Grace, 2.....	Portland	Sandwick, Alma T., 3.....	Corvallis
Quick, Margaret M., 1.....	Marshfield	Santee, Harold T., 1.....	Monmouth
Quier, Alma M., 2.....	Crane	Saum, Harriet Jane, 2.....	Portland
Quigley, Theresa Maria, 2.....	Portland	Saunders, Ivan Lusian, 1.....	Estacada
Quimby, Bessie D., 2.....	Halsey	Sautter, Maxine, 2.....	East Salem
Quinn, Prudence P., 2.....	St. Helens	Savo, Miriam Jeanne, 2.....	Portland
Ragan, Laura A., 2.....	Pilot Rock	Say, Eleanor R., 3.....	Sherwood
Rahkola, Arvo, 2.....	Portland	Saxon, William F., 2.....	Portland
Raines, Jessie Irene, 2.....	Salem	Schimmel, Beth M., 2.....	Elmira
Raines, Meldon Leone, 1.....	Mill City	Schrader, Emma M., 2.....	Beaverton
Rains, Veneta Mae, 1.....	Salem	Schroeder, Carroll Mildred, 2.....	Portland
Rakel, Ruth Louise, 2.....	West Linn	Schroll, Millicent, 1.....	Marcola
Ralph, Helen H., 2.....	Salem	Schroll, Nellie May, 1.....	Marcola
Ramage, Gertrude Evelyn, 2.....	Woodburn	Schulke, Marie A., 1.....	Portland
Ramey, Kenneth C., 2.....	Independence	Schultz, Frances Caroline, 1.....	Oregon City
Rasmussen, Gladys Anna, 1.....	Junction City	Schulz, Helen Mathilda, 2.....	Portland
Rasmussen, Johanna, 2.....	Astoria	Schumacher, Lila G., 2.....	Junction City
Rayburn, Irene Fay, 2.....	Portland	Schutt, Wendell David, 1.....	Molalla
Reddig, Helen Elizabeth, 2.....	Cornelius	Schwartz, Rose Ella, 2.....	Caryer
Ree, Valette G., 2.....	Eugene	Scott, Arminta E., 1.....	Fairview
Reed, Evelyn Marie, 2.....	Corbett	Scott, Doris Lucile, 1.....	Daniel, Wyoming
Reed, Helen B., 2.....	Monmouth	Scott, John D., 2.....	Harrisburg
Reeher, Howard Allen, 2.....	Forest Grove	Scott, Virgil, 2.....	McCoy
Reeher, Maryanna Newlin, 2.....	Forest Grove	Scraftord, Austin Theodore, 1.....	Garabaldi
Reid, Janet, 2.....	Portland	Scribner, Margret Mattie, 2.....	Beaver Creek
Reifenrath, Kathryn, 2.....	McMinnville	Scroggins, Harry, 1.....	Portland
Rentro, Norma P., 2.....	Parkdale	Seagraves, Betty E., 2.....	Milwaukie
Reynolds, Elsie Mae, 2.....	Salem	Searcy, Lulu E. (Mrs.), 2.....	Condon
Rhoades, Gladys Thurston, 2.....	Toledo	Seely, Harold Lamar, 2.....	Woodburn
		Seely, Irene Elizabeth, 3.....	Grand Ronde

Senn, Bernard W., 2.....	La Crosse, Wis.	Steelhammer, John F., 2.....	Silverton
Seth, Emma R., 3.....	Sheridan	Stephens, Geraldine Pearl, 2.....	McCoy
Setters, Mary Josephine, 1.....	Lamont	Stephens, Wilma E., 2.....	Fossil
Severson, Judith Annette, 2.....	Monmouth	Stevens, Dorothy Jane, 1.....	Oregon City
Severson, Orin B., 2.....	Monmouth	Stevens, Leora Z., 1.....	Lyons
Severson, Selmer Theodore, 2.....	Monmouth	Stevens, Lucy Alice, 2.....	Portland
Sharrow, Bess M., 2.....	Monmouth	Stewart, Jessie Faye, 2.....	Spray
Shattuck, Madelyn LaVerne, 1.....	Hillsboro	Stewart, Joe H., 1.....	Spray
Shaw, Elva Jane, 2.....	Portland	Stewart, Lee Roy, 2.....	Tillamook
Shaw, Margaret E., 1.....	Shedd	Stoller, Margaret Rosene, 1.....	Portland
Shaw, Marion Alice, 2.....	Salem	Stone, Buena C., 1.....	Troutdale
Shellenbarger, Guy, 2.....	Forest Grove	Strandberg, Yarda Margaret, 2.....	Banks
Shelton, Iva, 2.....	Portland	Stratton, Gladys L., 2.....	John Day
Shepard, Pearl Lucinda, 2.....	Goldendale, Wash.	Stream, Clara Mae, 1.....	Hillsboro
Sheridan, Dolly Anna, 3.....	Dee	Strech, Louella, 1.....	Portland
Shields, Virginia Bernice, 2.....	Junction City	Strickland, Janice M., 2.....	Forest Grove
Shinn, Jessie Eugenia, 1.....	Portland	Struck, Margaret L., 1.....	Parkdale
Shipe, Lillie M., 2.....	The Dalles	Stultz, Elsie L., 1.....	Perrydale
Shoegen, Elizabeth, 2.....	Mosier	Sturgill, Leta M., 3.....	Monmouth
Shoegen, Frances, 2.....	Mosier	Sundland, Donald, 2.....	Mist
Shone, Rosabel, 2.....	Oakland	Susbauer, Oneita Anne, 2.....	Portland
Shuey, Thelma L., 2.....	Eugene	Suter, Henrietta, 2.....	Los Angeles, Calif.
Shuey, Virginia E., 2.....	Eugene	Swanson, Queenie Caroline, 2.....	Portland
Shutt, Louetta Myrtle, 2.....	Salem	Sweeney, Glenn F., 1.....	Forest Grove
Siebens, Clara Marie, 2.....	Salem	Sweeney, Thelma Emma, 2.....	Springfield
Siegner, Wilbur Leonard, 1.....	Monmouth	Swetnam, Elsie Nora, 2.....	Portland
Simonton, Agnes, 2.....	Independence	Swetnam, Frances, 2.....	Portland
Simmons, Selma Ann, 1.....	Newberg	Taggart, Edward T., 2.....	Portland
Sisler, Lillie Leora, 2.....	Eugene	Tallent, Roxie E., 1.....	Helix
Skilling, Virginia, 2.....	Suwer	Tanton, Fern, 2.....	Harrisburg
Skinner, Mrs. Ethel, 3.....	Independence	Tarr, Gertrude F., 2.....	Florence
Sloan, Leona Miller, 3.....	Corvallis	Taylor, Julia M., 1.....	Hood River
Slocum, Edythe Winchell, 2.....	Portland	Teats, Fred A., 2.....	Dallas
Smiley, Mary Ernestine, 1.....	Independence	Teir, Lennart P., 2.....	Rainier
Smith, Agnes B., 2.....	Scio	Temple, Beuna Georgia, 3.....	Lebanon
Smith, Alvaris Angeline, 2.....	Portland	Temple, Helen D., 2.....	Portland
Smith, Beryl Iris, 2.....	Bend	Thayer, Ruby Rose, 1.....	Portland
Smith, Fannie, 2.....	Beaver	Thomas, Nellie Beugli, 2.....	Silverton
Smith, Iola Bee, 3.....	Hood River	Thomas, Claire B., 2.....	St. Helens
Smith, Josephine Harker, 2.....	Portland	Thompson, Berneta Blanche, 2.....	Woodburn
Smith, Lester Earl, 2.....	Cornelius	Thompson, Bonnie, 1.....	Madras
Smith, Lois Estella, 1.....	Junction City	Thompson, Lancel H., 2.....	Sheridan
Smith, Mildred Agnes, 2.....	Dorena	Thompson, Nancy Virginia, 2.....	Corvallis
Smith, Pearl E., 2.....	Corvallis	Thomsen, Dorothy Gray, 2.....	Silverton
Smith, Stephen E., 2.....	Scappoose	Thomson, Helen Page, 2.....	Roseburg
Smith, Vera Esther, 3.....	Lyons	Throop, Dorothy C., 2.....	Vernonia
Smith, Virginia Frances, 2.....	Portland	Thurman, Wayne Stanley, 2.....	Noti
Smith, Wayne F., 1.....	The Dalles	Tiffany, Emma Jane, 2.....	Portland
Snodgrass, Grace Kathryn, 2.....	Mulino	Tiffany, Lewis Elmer, 2.....	Amity
Sommer, Loetta Vivian, 2.....	Scio	Tilden, John West, 1.....	Vancouver, Wash.
Sommer, Lucille Norma, 2.....	Scio	Tilden, Ruth, 1.....	Tillamook
Sosnick, Wanda V., 2.....	Portland	Tillman, Gladys, 2.....	Portland
Sparks, La Velle Jewell, 2.....	Pendleton	Tippin, Wesley M., 2.....	Tillamook
Speerstra, Ellen Ruth, 2.....	Falls City	Tittle, Clive Kermit, 2.....	Monmouth
Speerstra, Sam Francis, 1.....	Falls City	Tittle, Lyla M., 1.....	Monmouth
Spencer, Alleyne, 1.....	Creswell	Tittle, Twila B., 1.....	Monmouth
Spencer, Jeannanne, 1.....	Creswell	Todd, Meta H., 1.....	Portland
Spencer, Margaret E., 2.....	Portland	Todd, Vernon S., 1.....	Sherwood
Spencer, Patricia Jean, 2.....	Eugene	Tomlinson, Roena, 2.....	Mohler
Spencer, Vernice M., 2.....	Portland	Tompkins, Russel, 1.....	Dayton
Spencer, Wanda L., 2.....	Portland	Toner, Blanche Irene, 2.....	Yoncalla
Spicer, Frances Harriett, 1.....	Marcola	Towe, Esther A., 2.....	Silverton
Spooner, Alma Marie, 1.....	Boring	Trenary, Lucille, 2.....	Portland
Spurlin, Hazel D. Traver, 2.....	Corvallis	Tripp, Miriam, 2.....	Albany
Spurlin, Virginia May, 2.....	Corvallis	Trullinger, Lois Irene, 2.....	Oregon City
Squire, Arden Alfred, 1.....	Gresham	Tubbesing, Devene Elizabeth, 2.....	Nehalem
Sroute, Jessie Edith, 1.....	Gresham	Tucker, Marguerite Grace, 1.....	Vancouver, Wash.
Staats, Margaret, 2.....	Dallas	Tuor, Maxine Mary, 1.....	Willamette
Staats, Orta Julia, 2.....	Lebanon	Turner, Wanda Bess, 1.....	Gladstone
Stalcup, Mrs. R. T., 1.....	Ada	Tyler, Viola May, 2.....	Portland
Stalker, Mary Jo, 1.....	Silverton	Umphrette, Evelyn Rida, 1.....	Amity
Stantbrough, Helen L., 3.....	Monmouth	Underwood, Mary B., 2.....	Harrisburg
Stanton, Dorathca, 2.....	Portland	Urmev, Cyrus, 3.....	Monmouth
Starrett, Edna Alberta, 3.....	Milwaukie	Vahldieck, LaVaun, 2.....	Albany
Staub, Agnes Marie, 2.....	Beaver Creek	Vail, Mary Ella, 1.....	Salem
Stayner, Ray Joe, 1.....	Monmouth	Vandermost, Melvin L., 1.....	Beaverton
Steele, Cecile Isabelle, 2.....	Gervais	Van Hine, Henderica A., 1.....	Chacon, N. M.
Steele, Clara Belle, 1.....	Hood River	Van Horne, Evangelina McCoy, 2.....	Portland
Steelhammer, Carl Goode, 1.....	Silverton		

Van Orsdol, Hazel J., 2.....Salem
 Vannice, Marjorie, 1.....Salem
 VanNice, William Sherman, 2.....Monmouth
 Van Santen, Emily Louise, 2.....Salem
 Van Zanle, Margaret Sylvia, 1.....Oswego
 Vamsdal, Laura May, 2.....Portland
 Vaughan, Florence Patty, 2.....Molalla
 Vaughn, Eldon, 1.....Dallas
 Ver Berkmoes, Viola L., 2.....Portland
 Vernon, Lois, 1.....Independence
 Versteeg, Margaret Elizabeth, 1.....Amity
 Villinger, Armand Henry, 1.....Government
 Camp
 Vincent, Thomas Talbert, 1.....Wren
 Vose, Annie M., 2.....Oswego
 Wage, Evelyn Charlotte, 1.....Jewell
 Wagner, Illisbert D., 3.....Philomath
 Wagner, Jessie Alice, 2.....Enterprise
 Waitt, Alice Mildred, 1.....Salem
 Waldner, Phyllis H., 1.....Silverton
 Walker, Bonnie Beth, 2.....Cottage Grove
 Wallace, Mildred Hays, 2.....Hood River
 Walters, Barbara June, 2.....Boring
 Walters, Helen Sarah, 1.....Yamhill
 Warman, Naomi Rice, 2.....Corvallis
 Warren, Verna Elsie, 2.....Newberg
 Waterpaugh, Ethel Wave, 1.....Corvallis
 Waterpaugh, Harold R., 2.....Corvallis
 Waterman, Irene Gladys, 2.....Bancroft
 Watkins, Flossie Belle, 2.....Portland
 Watson, Hazel N., 2.....Portland
 Watkins, Rolland T., 2.....Portland
 Watkins, Shirley Rand, 2.....Sweethome
 Watson, Emma Louise, 1.....Bend
 Watson, Mrs. John, 2.....Forest Grove
 Wawrinofsky, Carl W., 2.....Metolius
 Wawrinofsky, Hulda Maag, 2.....Metolius
 Weatherly, Frederica J., 2.....Scottsburg
 Weaver, Nella M., 2.....Junction City
 Webb, Dwight, 1.....Dallas
 Webb, Bessie Irene, 2.....The Dalles
 Webb, Richard B., 2.....Salem
 Weber, Lois Blanche, 2.....Canby
 Webster, Caroline B., 2.....Portland
 Wedin, Vernon E., 1.....Gresham
 Weeks, Bessie Louise, 1.....Mt. Angel
 Weeks, Helen L., 2.....Cannon Beach
 Wells, Irene E., 2.....Foster
 Welsh, Lena, N., 1.....John Day
 Welter, George N., 2.....Goble
 Welter, Mary Anne, 2.....Goble
 Wendland, Camelia R., 2.....Milwaukie
 West, Emma B., 3.....Mauspin
 West, H. C., 2.....Canby
 West, Louella J., 1.....Gearhart
 West, Wayne E., 1.....Scappoose
 Westby, Florence Marie, 1.....Portland
 Westenhouse, Kenneth A., 3.....Independence
 Whelan, Mrs. Florence, 1.....Salem
 Wherrett, Mary Pauline, 2.....Tenina
 White, Blanche L., 1.....Hubbard
 White, Carl Stanley, 2.....Clatskanie
 White, Chester W., 1.....McMinnville
 White, Mary M., 3.....Roseburg
 White, Elma Lucile, 2.....Portland
 White, O. Verl, 1.....Monmouth
 White, Roseana, 3.....McMinnville

Whitehead, Louella Mary, 2.....Multnomah
 Whitney, Marie M., 2.....Burns
 Wickman, Linnea A., 2.....Warren
 Widner, Josephine Annette, 2.....Empire
 Wiedewitsch, Myra Lucille, 2.....Cornelius
 Wieneke, Margaret Elizabeth, 2.....Portland
 Wilbur, Lucy Staples, 3.....Portland
 Wilcut, Marie A., 2.....Swisshome
 Wiley, Helen C., 1.....Portland
 Williams, Lucille Leone, 2.....Oregon City
 Williamson, Gilbert, 2.....Airlie
 Williamson, Helen J., 3.....Monmouth
 Williamson, Wayne V., 2.....Airlie
 Wilson, Alberta E., 3.....Yoncalla
 Wilson, Arnie Marie, 3.....Logsdon
 Wilson, Helen M., 2.....Aurora
 Wilson, Leland A., 2.....Monmouth
 Wilson, Lillian Lucille, 2.....Logsdon
 Wilson, Lovina E., 2.....Tillamook
 Wilson, Lucile V., 3.....Corvallis
 Wilson, Melvin Clayton, 2.....Independence
 Wilson, Opal E., 3.....Monmouth
 Wilson, Ruth Naomi, 1.....Independence
 Winchell, Elizabeth, 1.....Glendale
 Wind, Mona Victoria, 1.....McMinnville
 Winslow, Helen Evelyn, 2.....Salem
 Witty, Esther S., 2.....Elgin
 Wordli, Frieda E., 2.....Waterloo
 Wolfard, Audrey M., 2.....Creswell
 Wolfe, Elsie G., 2.....Antelope
 Wood, Cora Ethelyn, 2.....Bend
 Wood, Jessie Anne Morris, 2.....Monmouth
 Wood, Mary Alice, 2.....Portland
 Woodcock, Inez, 2.....Jennings Lodge
 Woodward, Abbie C., 2.....Mitchell
 Woodward, Elsie S., 3.....Newberg
 Woodward, Hazel Jean, 2.....Oregon
 Woodward, Winifred Louise, 1.....Newberg
 Woolley, Nellie Mae, 2.....Gaston
 Workman, Neva Kathryn, 2.....Marcola
 Worth, Geary Henderson, 2.....Portland
 Wright, Mildred L., 1.....Hood River
 Wright, Florence E., 2.....Portland
 Wright, Floy, 3.....Portland
 Wright, Gladys E., 2.....Moro
 Wright, Louise M., 2.....Mayville
 Wright, Nessie E., 2.....Sheridan
 Wunder, Clyde B., 2.....Independence
 Wyatt, Mildred F., 3.....Salem
 Wyune, Ellen Louise, 1.....Cottage Grove
 Yeater, Helen Margaret, 3.....Monmouth
 Yeck, Marcia Mae, 3.....Hood River
 Yergen, Elizabeth Jane, 1.....Aurora
 Yoast, Meta I., 2.....Independence
 Yocom, Lois Fagenkopf, 2.....Oregon City
 Yoder, Mary E., 2.....Molalla
 York, Juanita E., 2.....Oregon City
 Young, Eugenia F., 2.....Junction City
 Young, Mildred Esther, 1.....Drain
 Zachary, Rachel Edith, 2.....Winlock
 Zacher, Ida May, 2.....Oregon City
 Zeller, Bernice Ruth, 2.....Goshen
 Zielke, Bernice H., 2.....Salem
 Zorn, Marie, 2.....Aurora
 Zook, Alice E., 2.....Milwaukie
 Zylstra, Nicklas J., 1.....Perrydale
 Zysset, Ethel May, 3.....Sheridan

Portland: University of Oregon Medical School

ENROLLMENT 1930-31

CLASS OF 1931

Anderson, John E., Portland University of Oregon, B.S., 1929	Kuykendall, John, Klamath Falls University of Oregon, A.B., 1928
Ashley, Carl G., Portland University of Oregon, A.B., 1927	Lewis, Edgar J., New Plymouth, Idaho College of Idaho, B.S., 1925
Ball, Frank I. Jr., Portland University of Oregon, A.B., 1929	Mackey, Harry E., Portland University of Oregon, A.B., 1929
Dartell, Isaac C., Salem University of Saskatchewan, B.S., 1927	Morgan, Walter M., Portland University of Washington, B.S., 1929
Beatty, Joseph O., Portland University of Oregon, A.B., 1928	Newsom, Samuel J., Prineville University of Oregon, A.B., 1927
Rennett, Ivan E., Lebanon Pacific University, A.B., 1927	Plymate, Hope B., Marshfield University of Oregon, B.S., 1925
Betzer, Burl, Crabtree University of Oregon, B.S., 1928	Reed, Marion, Nehalem Reed College, A.B., 1926
Bump, Chester A., Portland Oregon State College, B.S., 1924	Reashaw, John F., Portland University of Oregon, A.B., 1928
Burns, Edgar M., Portland University of Oregon, A.B., 1928	Rew, Kenneth G., Pendleton University of Oregon, A.B., 1929
Collings, Maurice M., Portland University of Oregon, B.A., 1927	Ricen, Edgar, Portland University of Oregon, B.S., 1928
Curtis, Elizabeth, Weiser, Idaho University of Idaho, B.S., 1928	Robertson, Joycelin H., Lakeview University of Oregon, A.B., 1929
Davis, Thomas A., Portland Reed College, A.B., 1926	Rose, Hilton W., Portland University of Oregon, A.B., 1929
Edgar, Katherine J., Portland University of Oregon, A.B., 1927	Schneider, Oscar, Portland University of Oregon, A.B., 1929
Edmundson, William T., Salem Willamette University, A.B., 1927	Shininger, Paul E., Wheeler University of Oregon, A.B., 1927
Eldridge, Horace L., Portland University of South Dakota, A.B., 1925	Sleep, Somers R., Portland College of Puget Sound, B.S., 1927
Findley, Dwight H., Salem Willamette University, A.B., 1925	Stewart, James D., Jr., Eugene University of Oregon, A.B., 1926
Follis, Marian Miller, Salem Oregon State College, B.S., 1925	Stone, Willard J., Island City University of Oregon, A.B., 1928
Fortmiller, Edward V., Albany University of Oregon, A.B., 1928	Taylor, Edward D., Eugene University of Idaho, 1923-1927
Friborg, Arnold E., Portland University of Oregon, B.S., 1929	Templeton, Frederic E., Portland University of Washington, B.S., 1927
Frick, Wesley V., Portland University of Oregon, B.S., 1929	Thompson, Robert H., Portland Univ. of So. Calif. at L.A., B.A., 1925
Gobbell, Willard M., Portland University of Oregon, A.B., 1927	Thornton, Ross C. B., Portland University of Washington, B.S., 1924
Godefroy, William, Portland University of Washington, B.S., 1926	Tuell, J. Irving, Portland University of Oregon, B.S., 1928
Greene, Robert B., Eugene University of Oregon, A.B., 1927	Wheelwright, Lloyd A., Salem Willamette University, B.A., 1926
Haines, Ronald S., Salem Willamette University, A.B., 1927	White, Almon J., Portland University of Idaho, M.S., 1926
Handford, William B., Corvallis Oregon State College, B.S., 1927	White, Leslie A., Juneau, Alaska University of Oregon, B.S., 1930
Harris, Leland S., Portland University of Washington, M.S., 1927	Whiteside, Harold R., Portland University of Oregon, B.S., 1928
Hogshire, George R., Portland University of Oregon, B.S., 1930	Wilbur, Robert G., Hood River University of Oregon, B.S., 1928
Holmes, Charles M., Centralia, Wash. University of Washington, B.S., 1927	Wilbur, William P., Portland University of Oregon, B.A., 1929
Johnsen, Kristian, Portland University of Oregon, A.B., 1928	Williams, Harold L., Corvallis University of Oregon, B.S., 1927
Jordan, Lewis W., Portland University of Oregon, B.S., 1929	Wilson, Joseph G., Kent University of Oregon, B.S., 1928
Joy, Frederick B., Portland University of Oregon, A.B., 1929	Wrightman, A. Edgar, Jr., Silverton University of Oregon, B.A., 1928
Kelsey, Walter L., Portland University of Oregon, A.B., 1928	Fourth Year.....63

CLASS OF 1932

- Aspray, Joseph M., Spokane, Wash.
University of Oregon, A.B., 1929
- Atkins, Charles B., Portland
University of Washington, B.S., 1928
- Baker, Albert B., Stanfield
University of Oregon, B.S., 1929
- Blair, Jack D., Portland
Stanford University, A.B., 1928
- Blanche, Donald W., Salem
University of Oregon, B.S., 1929
- Borden, Lemuel P., Palo Alto, Calif.
University of Oregon, B.S., 1929
- Campbell, James E., Napa, Calif.
University of Idaho, B.S., 1929
- Campbell, Robert A., Portland
University of Washington, B.S., 1924
- Carpenter, Lewis H., Portland
University of Oregon, B.S., 1930
- Carter, Filmer W., Portland
Willamette University, A.B., 1926
- Davis, George E., Portland
University of Oregon, A.B., 1930
- Dodds, George A., Oregon City
University of Oregon, 1924-1927
- Dunn, Navarre James, Corvallis
Oregon State College, B.S., 1928
- Gasman, Ethel S., The Dalles
University of Oregon, B.S., 1928
- Goodman, Louis S., Portland
Reed College, A.B., 1928
- Goodnight, Scott H., Madison, Wis.
University of Wisconsin, B.A., 1930
- Grieve, Margaret I., Spokane, Wash.
State College of Washington, B.S.,
1923
- Hambo, Curtis C., Portland
University of Oregon, A.B., 1928
- Hansen, Paul B., Portland
University of Oregon, B.S., 1930
- Hayden, Wilbur C., Eugene
University of Oregon, A.B., 1926
- Heald, Bessey, Pullman, Wash.
State College of Washington, B.S.,
1929
- Hendry, Edwin A., Oregon City
University of Oregon, A.B., 1929
- Hoskins, Homer D., Salem
Willamette University, A.B., 1927
- Hummelt, Bernard W., La Grande
University of Oregon, A.B., 1930
- Hutchens, Wendell H., Portland
Pacific College, B.S., 1928
- Hutt, Clyde B., Yamhill
University of Oregon, B.S., 1929
- Jones, Melville S., Salem
University of Oregon, B.S., 1929
- Kuhn, Clifford W., Lebanon
University of Oregon, A.B., 1928
- Landers, Ellery L., Portland
University of Oregon, B.A., 1930
- Le Comte, Charles F., Madison, Wis.
University of Wisconsin, B.A., 1929
- Lewis, Herbert D., Marshfield
University of Oregon, B.A., 1929
- Lewis, Henry Ryle, Portland
University of Idaho, B.S., 1929
- MacDonald, Ralph Gordon, Portland
Albany College, A.B., 1927
- McVay, John P., Portland
University of Washington, B.S., 1928
- Miller, August E., Portland
University of Idaho, B.S., 1930
- Minas, Frank A., Portland
University of Idaho, B.S., 1925
- Montgomery, Thomas R., Portland
University of Oregon, A.B., 1929
- Moore, Leo V., Moro
University of Oregon, B.S., 1930
- Moren, W. Clarence, Yakima, Wash.
University of Washington, A.B., 1929
- Proffitt, J. Claude, Dayton
University of Oregon, A.B., 1926
- Rafferty, Frank W., Astoria
University of Oregon, A.B., 1929
- Rich, Reed J., Paris, Idaho
University of Utah, B.A., 1929
- Roberts, Joseph E. M., Portland
University of Oregon, A.B., 1929
- Ross, Alexander T., Honolulu, T. H.
Stanford University, A.B., 1928
- Russell, John P., Milwaukie
Willamette University, A.B., 1923
- Russell, Leland G., Billings, Mont.
State College of Washington, B.S.,
1928
- Seitz, Clifford D., La Grande
University of Oregon, A.B., 1929
- Shutter, Lillian, Los Angeles, Calif.
University of Calif. Los Angeles,
B.A., 1927
- Stokesbury, Delbert L., Corvallis
University of Oregon, A.B., 1929
- Strickland, Graeme H., Forest Grove
Pacific University, A.B., 1928
- Swett, William J., Portland
Reed College, A.B., 1928
- Vidgoff, Ben, Portland
University of Oregon, B.S., 1929
- Wiens, Frank Lorenz, Dallas
University of Oregon, B.A., 1927
- Yoshioka, Jesse J., Seattle, Wash.
University of Washington, B.S., 1928
- Young, William L., Portland
University of Montana, B.S., 1928
- Third Year.....55

CLASS OF 1933

- Abele, John F., Portland
University of Oregon, B.A., 1930
- Benz, Emil J., Portland
University of Oregon, B.S., 1930
- Blatchford, Clarence R., Salem
Willamette University, A.B., 1927
- Bracher, Allen N., Portland
University of Oregon, B.A., 1930
- Brill, Joseph, Portland
Reed College, A.B., 1929
- Colcock, Bentley P., Seattle, Wash.
University of Washington, B.S., 1929
- DeBusk, Roger W., Eugene
University of Oregon, B.A., 1930
- Dow, Robert S., McMinnville
Linfield College, B.S., 1929
- Dowsett, Jack, Gresham
University of Oregon, B.A., 1930
- Durose, Fred W., Portland
University of Washington, B.S., 1926
- Emigh, Harriet F., Spokane, Wash.
Whitman College, B.S., 1926
- Erickson, Harold M., Portland
University of Washington, 1926-1928
University of Oregon, 1928-1929
- Evans, John W., Salem
Willamette University, 1926-1929

Fuller, Melvin F., Portland University of Idaho, 1923-1929	Martin, William C., Portland University of Oregon, B.S., 1930
Ganteubein, Calvin Edward, New York, N. Y. University of Oregon, 1927, 1928	Moore, Philip H., Moro University of Oregon, B.S., 1930
Gettelman, Eugene, Portland University of Washington, B.S., 1929	Nelson, Gunnar, E. C., Portland State College of Washington, B.S., 1925
Gilleland, James L., Pullman, Wash. State College of Washington, B.S., 1929	Norton, Henry H., Eugene University of Oregon, A.B., 1929
Haddon, Joseph E., Portland University of Washington, B.S., 1929	Perozzi, Thelma, Ashland University of Oregon, A.B., 1929
Harris, David M., Seattle, Wash. University of Washington, B.S., 1928	Pheettplace, Dale O., Portland University of Oregon, A.B., 1926, 1929
Havlina, John M., Portland University of Oregon, B.S., 1930	Poindexter, Samuel M., Boise, Idaho University of Idaho, B.S., 1925
Hess, Orrin R., Portland Oregon State College, 1926-1929	Putnam, John F., Fossil Reed College, 1923-1924 University of Oregon, 1926-1929
Holder, Thomas D., Paisley University of Oregon, A.B., 1928	Rankin, Frederick O., Portland University of Oregon, 1926-1929
Ilge, Alfred H., Portland Oregon State College, B.S., 1927	Reuter, Ernest G., Portland Reed College, A.B., 1926
Johnson, Eric C., Portland University of Oregon, B.A., 1930	Rhind, Earl S., Portland University of Washington, B.S., 1929
Johnsrud, Russell L., Portland University of Oregon, B.A., 1930	Schatz, Milton, M., Portland University of Oregon, B.S., 1930
Johnstone, Arthur E., Corvallis Oregon State College, 1924-1929	Sewall, Ralph J., Portland University of Oregon, B.A., 1930
Keane, Roger H., Pendleton State College of Washington, 1923- 1928 University of Oregon, Summer, 1929	Shiach, John M., Portland University of Oregon, 1926-1929
Keizer, Ennis, R., North Bend University of Oregon, B.A., 1930	Smith, Courtney M., Portland University of Washington, 1927-1928 University of Oregon, 1928-1929
King, Albert T., Mitchell University of Oregon, B.A., 1930	Smith, Edgar Noel, Dufur University of Oregon, 1926-1929
Le Compte, George A., Portland University of Washington, 1925-1927	Snyder, George A.C., Portland University of Oregon, 1926-1929
Leise, John F., Seattle, Wash. University of Washington, B.S., 1923	Schler, Frank E., Jr., Healdsburg, Calif. University of Oregon, A.B., 1929
Lloyd, Robert W., Portland University of Oregon, 1926-1929	Stephenson, Dan N., Eugene University of Oregon, 1925-1929
Logan, Hugh D., Seaside University of Oregon, 1925-1929	Swanson, Florence L., Seattle, Wash. University of Washington, B.S., 1924
Long, Donald M., Portland University of Oregon, B.S., 1930	Tamura, Joe T., The Dalles University of Oregon, B.S., 1925
Lucas, Oscar C., Portland University of Washington, B.S., 1929	Ten Eyck, Glenn, Sandy University of Oregon, B.A., 1930
McGowan, Donald O., The Dalles University of Oregon, B.A., 1930	Thorstenberg, Edward S., Portland University of Oregon, 1924-1929
McGraw, Lowell S., Portland Oregon State College, B.S., 1929	Wiley, James W., Portland University of Oregon, B.S., 1930
	Second Year.....11

CLASS OF 1934

Alne, Arthur E., Astoria University of Oregon, 1928-1930	Browne, Walter P., Portland University of Oregon, B.A., 1930
Austin, Elmer John, Tacoma, Wash. College of Puget Sound, A.B., 1929	Burke, Richard H., Portland University of Oregon, B.S., 1930
Bain, Lyle M., Albany University of Oregon, A.B., 1920	Callender, Orley N., Boise, Idaho University of Idaho, B.S., 1930
Baker, Russell L., Gaston University of Oregon, B.A., 1930	Card, John F., Portland University of Oregon, 1927-1930
Belden, Galen O., Salem Oregon State College B.S., 1929	Chuinard, Eldon G., Kelso, Wash. College of Puget Sound, B.A., 1926
Berenson, Bernard, Portland University of Oregon, 1928-1930	Clisby, Keith M., Portland Oregon State College, B. S., 1929
Bernards, Margaret M., Forest Grove University of Washington, B.S., 1925	Coverstone, Vernon A., Medford University of Oregon, 1926-1930
Boersma, Frank, Amity Oregon State College, B.S., 1930	Crawford, Percy H., Portland Pacific University, 1927-1930
Bracher, George J., Portland Wittenberg College, 1927-1930	Cutts, William, Portland Calif. Institute of Technology, 1927- 1929
Brown, Kenneth C., Portland University of Oregon, B.A., 1930	Davis, Joe B., Salem Willamette University, B.A., 1930
Brown, Ralph C., Mount Vernon, Wash. College of Puget Sound, B.S., 1928	

- Davison, Luther, Oakland
University of Oregon, B.A., 1930
- Dodgson, Thomas B., Seattle, Wash.
College of Puget Sound, B.S., 1929
- Duke, Raymond E., Portland
Oregon State College, 1925-1930
- Everett, F. Gaither, Lakeview
University of Oregon, 1927-1930
- Fixott, Richard S., Portland
Stanford University, 1927-1930
- Freeborg, Margaret M., Portland
University of Oregon, 1928-1930
- Gius, John A., Tacoma, Wash.
College of Puget Sound, 1928-1930
- Henry, Robert T., Endicott, Wash.
University of Idaho, 1924-1927
State College of Washington, 1927-1929
- Highmiller, Ralph H., Oregon City
University of Oregon, B.A., 1928
- Hochfeld, Herbert D., Portland
University of Oregon, B.A., 1930
- Hoffman, Edwin H., Portland
Elmhurst College, B.S., 1930
- Holman, Charles N., Molalla
Oregon State College, 1927-1930
- Johnson, Melvin E., Eugene
University of Kansas, 1925-1926
University of Oregon, 1927-1930
- Jones, Melvin R., Portland
Stanford University, 1927-1930
- Kennedy, Mary E., Portland
University of Oregon, 1928-1930
- Kurtz, F. Howard, Salem
Willamette University, 1927-1930
- Laucher, Louis J., Tacoma, Wash.
University of Washington, B.S., 1930
- McDonald, Barclay S., Eugene
University of Oregon, B.A., 1930
- Martin, Carl L., Seattle, Wash.
University of Washington, B.S., 1929
- Mason, David G., Albany
University of Oregon, 1926-1930
- Naimark, David H., Portland
University of Oregon, 1927-1930
- Nichols, Herbert M., Portland
Yale College, Ph.B., 1930
- Northrop, Cedvic, Portland
University of Oregon, 1925-1930
- Onslow, Mildred M., Portland
University of Oregon, B.A., 1930
- Osgood, Samuel B., Albany
University of Oregon, 1927-1930
- Palmer, Allen R., Portland
University of Oregon, 1927-1930
- Porter, Leslie S., West Linn
Oregon State College, 1927-1930
- Puhaly, Edward J., Portland
University of Oregon, B.A., 1930
- Robson, Margaret E., Essex, Mont.
Linfield College, 1927-1930
- Rogers, Arthur L., Eugene
University of Oregon, 1926-1930
- Searing, Donald H., Tacoma, Wash.
College of Puget Sound, B.S., 1928
- Schade, George H., Portland
University of Oregon, B.A., 1930
- Simmer, Edwin G., Wenatchee, Wash.
University of Washington, 1926-1930
- Sisson, Merrill A., Portland
Reed College, 1927-1930
- Sox, Ellis D., Albany
Albany College, 1926-1930
- Speros, James T., Baker
Oregon State College, 1925-1928
- Thompson, James P., Yakima, Wash.
Whitman College, 1927-1930
- Thompson, Walter, Gresham
University of Oregon, 1926-1930
- Tingle, Margaret A., Eugene
University of Oregon, B.A., 1930
- Titus, Bruce L., Eugene
University of Oregon, B.A., 1930
- Trullinger, Dan P., Yamhill
University of Oregon, B.A., 1930
- Tryggvi, Carl, Bellingham, Wash.
University of Washington, B.S., 1927
- Westbrook, Paul A., Eugene
University of Oregon, 1927-1930
- Wilbur, Walter L., Portland
University of Oregon, 1927-1930
- First Year.....65

GRADUATE STUDENT, 1930-31

Johnson, A. Holmes, M.D.

SPECIAL STUDENTS, 1930-31

Carey, Hollis L.
Majewski, George Jack
Mayer, Frank Joseph

Rohrer, Martha
Williford, Lewis Willis
Strube, Marie

TOTAL ENROLLMENT, 1930-31

	Men	Women	Total
First Year.....	59	6	65
Second Year.....	58	3	61
Third Year.....	51	4	55
Fourth Year.....	57	6	63
	<u>225</u>	<u>19</u>	<u>244</u>
Graduate	1		1
Special	4	2	6
Total	<u>229</u>	<u>21</u>	<u>250</u>

ENROLLMENT, 1931-32

CLASS OF 1932

Aspray, Joseph M., Spokane, Wash. University of Oregon, A.B., 1929	Landers, Ellery L., Portland University of Oregon, B.A., 1930
Atkins, Charles B., Portland University of Washington, B.S., 1928	LeComte, Charles F., Madison, Wis. University of Wisconsin, B.A., 1929
Baker, Albert Bruce, Stanfield University of Oregon, B.S., 1929	Lewis, Herbert D., Marshfield University of Oregon, B.A., 1929
Blair, Jack D., Portland Stanford University, A.B., 1928	Lewis, H. Ryle, Portland University of Idaho, B.S., 1929
Blanche, Donald W., Salem University of Oregon, B.S., 1929	MacDonald, Gordon, Portland Albany College, A.B., 1927
Borden, Lemuel P., Palo Alto, Calif. University of Oregon, B.S., 1929	McVay, John P., Portland University of Washington, B.S., 1928
Campbell, James E., Napa, Calif. University of Idaho, B.S., 1929	Miller, August E., Portland University of Idaho, B.S., 1930
Campbell, Robert A., Portland University of Washington, B.S., 1924	Minas, Frank A., Portland University of Idaho, B.S., 1925
Carpenter, Lewis H., Portland University of Oregon, B.S., 1930	Montgomery, Thomas R., Portland University of Oregon, B.A., 1929
Carter, Filmer W., Portland Willamette University, A.B., 1926	Moore, Leo V., Moro University of Oregon, B.S., 1930
Davis, George E., Portland University of Oregon, B.A., 1930	Moran, W. Clarence, Yakima, Wash. University of Washington, A.B., 1929
Dodds, George A., Oregon City University of Oregon, B.S., 1932	Proffitt, J. Claude, Dayton University of Oregon, B.A., 1926
Dunn, James Navarre, Corvallis Oregon State College, B.S., 1928	Raiferty, Frank W., Astoria University of Oregon, B.A., 1929
Gasman, Ethel S., The Dalles University of Oregon, B.S., 1928	Rich, Reed J., Paris, Idaho University of Utah, B.A., 1929
Goodman, Louis S., Portland Reed College, A.B., 1928	Roberts, Joseph E. M., Portland University of Oregon, B.A., 1929
Goodnight, Scott H., Madison, Wis. University of Wisconsin, B.A., 1930	Ross, Alexander T., Honolulu, T. H. Stanford University, A.B., 1928
Grieve, Margaret Irene, Spokane, Wash. State College of Washington, B.S., 1923	Russell, John P., Milwaukee Willamette University, A.B., 1923
Hambo, Curtis C., Portland University of Oregon, B.A., 1928	Russell, Leland G., Billings, Mont. State College of Washington, B.S., 1928
Hansen, Paul B., Portland University of Oregon, B.S., 1930	Seitz, Gifford D., LaGrande University of Oregon, B.A., 1929
Harris, Leland S., Portland University of Washington, M.S., 1927	Shutter, Lillian, Los Angeles, Calif. University of Calif. at L.A., B.A., 1927
Hayden, Wilbur C., Eugene University of Oregon, B.S., 1930	Stokesbury, Delbert L., Corvallis University of Oregon, B.A., 1929
Heald, Bessey, Pullman, Wash. State College of Washington, B.S., 1929	Strickland, Graeme H., Forest Grove Pacific University, A.B., 1928
Hendry, Edwin A., Oregon City University of Oregon, B.A., 1929	Swett, William J., Portland Reed College, A.B., 1928
Hoskins, Homer D., Salem Willamette University, A.B., 1927	Tuell, I. Irving, Portland University of Oregon, B.S., 1928
Hummelt, Bernard W., LaGrande University of Oregon, B.A., 1930	Vidgoff, Ben, Portland University of Oregon, B.S., 1929
Hutcheus, Wendell H., Portland Pacific College, B.S., 1928	White, John Almon, Portland University of Idaho, M.S., 1926
Hutt, Clyde B., Yamhill University of Oregon, B.S., 1929	Whiteside, Harold R., Portland University of Oregon, B.S., 1928
Jones, Melville S., Salem University of Oregon, B.S., 1929	Wiens, Frank Lorenz, Dallas University of Oregon, B.A., 1927
Kuhn, Clifford W., Lebanon University of Oregon, B.A., 1928	Young, William Lawrence, Portland University of Montana, B.S., 1928
	Fourth Year.....58

CLASS OF 1933

Benz, Emil J., Portland University of Oregon, B.S., 1930	Carlson, Carroll C., Cooperstown, N. D. University of North Dakota, B.S., 1931
Blatchford, Clarence R., Salem Willamette University, A.B., 1927	DeBusk, Roger W., Eugene University of Oregon, B.A., 1930
Bracher, Allen N., Portland University of Oregon, B.A., 1930	Doane, Edwin A., Salem University of Wisconsin, B.S., 1930
Brill, Joseph, Portland Reed College, A.B., 1929	

- Dow, Robert S., McMinnville
Linfield College, B.S., 1929
- Dowsett, Jack, Gresham
University of Oregon, B.A., 1930
- Durose, Fred W., Portland
University of Washington, B.S., 1926
- Emigh, Harriet F., Spokane, Wash.
Whitman College, B.S., 1926
- Erickson, Harold M., Portland
University of Oregon, B.A., 1930
- Evans, John W., Salem
University of Oregon, B.A., 1931
- Fuller, Melvin F., Portland
University of Idaho, B.S., 1929
- Gantenbein, Calvin Edward, New York,
N.Y.
University of Oregon, B.A., 1931
- Gettelman, Eugene, Portland
University of Washington, B.S., 1929
- Gilleland, James L., Pullman, Wash.
State College of Washington, B.S.,
1929
- Haddon, Joseph E., Portland
University of Washington, B.S., 1929
- Harris, David M., Seattle, Wash.
University of Washington, B.S., 1928
- Havlina, John M., Portland
University of Oregon, B.S., 1930
- Hess, Richard, Portland
Oregon State College, 1926-1929
- Holder, Thomas D., Paisley
University of Oregon, B.A., 1928
- Illge, Alfred H., Portland
Oregon State College, B.S., 1927
- Johnson, Eric C., Portland
University of Oregon, B.A., 1930
- Johnsrud, Russell L., Portland
University of Oregon, B.A., 1930
- Johnstone, Arthur E., Corvallis
University of Oregon, B.S., 1930
- Keane, Roger H., Pendleton
State College of Washington, B.S.,
1928
- Keizer, Eunis R., North Bend
University of Oregon, B.A., 1930
- King, Albert Terrence, Mitchell
University of Oregon, B.A., 1930
- LeCompte, George A., Portland
University of Oregon, B.S., 1931
- Lloyd, Robert W., Portland
University of Oregon, B.A., 1930
- Long, Donald M., Portland
University of Oregon, B.S., 1930
- McGraw, Lowell S., Portland
Oregon State College, B.S., 1929
- Martin, William Charles, Portland
University of Oregon, B.S., 1930
- Moore, Philip H., Moro
University of Oregon, B.S., 1930
- Nelson, Gunnar E. C., Portland
State College of Washington, B.S.,
1925
- Norton, Henry H., Eugene
University of Oregon, B.A., 1929
- Perozzi, Thelma, Ashland
University of Oregon, B.A., 1929
- Phetteplace, Dale O., Portland
University of Oregon, B.A., 1931
- Poidexter, Samuel M., Boise, Idaho
University of Idaho, B.S., 1925
- Rankin, Frederick O., Portland
University of Oregon, B.A., 1930
- Reuter, Ernest G., Portland
Reed College, A.B., 1926
- Rhind, Earl S., Portland
University of Washington, B.S., 1929
- Schatz, Milton M., Portland
University of Oregon, B.S., 1930
- Sewall, Ralph J., Portland
University of Oregon, B.A., 1930
- Shiach, John M., Portland
University of Oregon, B.A., 1930
- Smith, Courtney M., Portland
University of Oregon, B.A., 1930
- Smith, E. Noel, Dufur
University of Oregon, B.A., 1929
- Snyder, George A. C., Portland
University of Oregon, B.A., 1930
- Sohler, Frank E., Jr., Healdsburg, Calif.
University of Oregon, B.A., 1929
- Swanson, Florence L., Seattle, Wash.
University of Washington, B.S., 1924
- Ten Eyck, Glenn, Sandy
University of Oregon, B.A., 1930
- Thorstenberg, Edward S., Portland
University of Oregon, B.A., 1931
- Wiley, James W., Portland
University of Oregon, B.S., 1930
- Yoshioka, Jesse J., Seattle, Wash.
University of Washington, B.S., 1928
- Third Year.....55

CLASS OF 1934

- Abele, John F., Portland
University of Oregon, B.A., 1930
- Alne, Arthur E., Astoria
University of Oregon, B.A., 1931
- Austin, Elmer John, Tacoma, Wash.
College of Puget Sound, A.B., 1929
- Bain, Lyle M., Albany
University of Oregon, B.A., 1920
- Baker, Russel L., Gaston
University of Oregon, B.A., 1930
- Belden, Galen O., Salem
Oregon State College, B.S., 1929
- Bérenson, Bernard, Portland
University of Oregon, B.A., 1931
- Boersma, Frank, Amity
Oregon State College, B.S., 1930
- Bracher, George J., Portland
University of Oregon, B.A., 1931
- Brown, Kenneth C., Portland
University of Oregon, B.A., 1930
- Brown, Ralph C., Mount Vernon, Wash.
College of Puget Sound, B.S., 1928
- Browne, Walter F., Portland
University of Oregon, B.A., 1930
- Callender, Orley N., Boise, Idaho
University of Idaho, B.S., 1930
- Card, John F., Portland
University of Oregon, 1927-1930
- Chuinard, Eldon, Kelso, Wash.
College of Puget Sound, B.A., 1926
- Clibsy, Keith M., Portland
Oregon State College, B.S., 1929
- Coverstone, Vernon A., Medford
University of Oregon, 1926-1930
- Cutts, William, Portland
University of Oregon, B.S., 1931
- Davis, Joe B., Salem
Willamette University, B.A., 1930
- Davison, Luther, Oakland
University of Oregon, B.A., 1930
- Dodgson, Thomas B., Seattle, Wash.
College of Puget Sound, B.S., 1929
- Duke, Raymond E., Portland
University of Oregon, B.A., 1931
- Everett, E. Gaither, Lakeview
University of Oregon, 1927-1930
- Fixott, Richard S., Portland
University of Oregon, B.A., 1931

Freeborg, Margaret M., Portland University of Oregon, 1928-1930	Palmer, Allen R., Portland University of Oregon, B.A., 1931
Gius, John A., Tacoma, Wash. University of Oregon, B.A., 1931	Porter, Leslie, West Linn University of Oregon, B.A., 1931
Hargus, Buford H., Klamath Falls University of Oregon, B.A., 1929	Puhaty, Edward J., Portland University of Oregon, B.A., 1930
Henry, Robert T., Endicott, Wash. University of Oregon, B.A., 1931	Robson, Margaret E., Essex, Mont. Linfield College, B.S., 1931
Highmiller, Ralph H., Oregon City University of Oregon, B.A., 1928	Rogers, Arthur L., Eugene University of Oregon, B.A., 1931
Hochfeld, Herbert D., Portland University of Oregon, B.A., 1930	Searing, Donald H., Tacoma, Wash. College of Puget Sound, B.S., 1928
Hoffman, Edwin H., Portland Elmhurst College, B.S., 1930	Schade, George H., Portland University of Oregon, B.A., 1930
Holman, Charles N., Molalla University of Oregon, B.A., 1931	Simmer, Edwin G., Wenatchee, Wash. University of Washington, B.S., 1930
Johuson, Melvin E., Eugene University of Oregon, 1925-1926 University of Oregon, 1927-1930	Sisson, Merrell A., Portland University of Oregon, B.A., 1931
Jones, Melvin R., Portland Stanford University, 1927-1930	Sox, Ellis D., Albany University of Oregon, B.A., 1931
Kennedy, Mary E., Portland University of Oregon, B.A., 1931	Speros, James T., Baker University of Oregon, B.A., 1931
Kurtz, F. Howard, Salem University of Oregon, B.A., 1931	Stephenson, Dan N., Eugene University of Oregon, B.A., 1931
Logan, Hugh D., Seaside University of Oregon, 1925-1929	Stolzheise, Ralph M., Salem Willamette University, A.B., 1926
Loree, David R., Bandon Linfield College, A.B., 1926	Thompson, James P., Yakima, Wash. Whitman College, 1927-1930
McDonald, Barclay S., Eugene University of Oregon, B.A., 1930	Thompson, Walter, Gresham University of Oregon, B.A., 1931
McGowan, Donald Oscar, The Dalles University of Oregon, B.A., 1930	Tingle, Margaret A., Eugene University of Oregon, B.A., 1930
Martin, Carl L., Seattle, Wash. University of Washington, B.S., 1929	Titus, Bruce L., Eugene University of Oregon, B.A., 1930
Mason, David G., Albany University of Oregon, B.A., 1931	Trullinger, Dan P., Yamhill University of Oregon, B.A., 1930
Naimark, David H., Portland University of Oregon, B.A., 1931	Tryggvi, Carl, Bellingham, Wash. University of Washington, B.S., 1927
Nichols, Herbert M., Portland Yale College, Ph.B., 1930	Westbrook, Paul A., Eugene University of Oregon, B.S., 1930
Northrop, Cedric, Portland University of Oregon, B.A., 1930	Wilbur, Walter I., Portland University of Oregon, B.A., 1931
Osgood, Samuel B., Albany University of Oregon, B.S., 1931	Second Year.....67

CLASS OF 1935

Baker, Lowry S., Beaverton Pacific University	Currin, Hugh B., Klamath Falls Willamette University
Beckendorf, Walter A., Portland Oregon State College	Davis, Irvin, Portland Reed College
Biswell, Roger, Jr., Baker University of Oregon, B.A., 1931	Feves, Isaac B., Portland University of Oregon, B.A., 1930
Black, Neil, Portland University of Southern California Oregon State College University of California	Feves, Louis, Portland University of Oregon
Bonebrake, Hubert E., Portland University of Oregon	Gardner, John, Tacoma, Wash. College of Puget Sound, B.S., 1930
Browne, Harry C., Portland Reed College	Goff, Willard F., Seattle, Wash. University of Washington, B.S., 1931
Burke, Richard H., Portland Columbia University University of Oregon, B.S., 1930	Hansen, Sydney, Portland Reed College
Carr, John B., Portland Oregon State College, B.S., 1925	Hart, John C., Portland University of Oregon
Cohen, William, Portland Reed College, B.A., 1931	Haugen, Frederick, Eugene Luther College University of Oregon
Corkery, Flora, Spokane, Wash. University of Idaho	Haugen, Gerhard, Eugene University of North Dakota University of Oregon
Corkery, John R., Spokane, Wash. University of Idaho	Henry, Randall W., Endicott, Wash. State College of Washington, B.S., 1931
Cryncs, Sylvester, Portland North Pacific College University of Washington, B.S., 1931	Hutchins, Lewis R., Seattle, Wash. University of Washington, B.A., 1928

Ice, William H., Oregon City University of Oregon	Ray, Leon T., Portland Oregon State College, B.S., 1931
Johnson, Howard, Portland University of Oregon	Reynolds, James N., Portland University of Oregon
Jones, Orville, Portland Reed College, B.A., 1931	Rinehart James C., Portland Reed College
Littlehales, Charles, Portland Reed College	Oregon State College
Luten, Miriam, Portland University of Oregon	Rohner, Martha, Portland Central Wesleyan College
University of Washington, M.S., 1923	Reed College
McAlear, Lowell E., Hillsboro Pacific University, A.B., 1931	University of Oregon, B.A., 1931
MacLaren, Alfred, Portland University of Oregon	Schneider, Leo, Portland College of Puget Sound
Margulies, Calmin N., Portland North Pacific College	Oregon State College, B.S., 1929
University of Oregon	Schnorenberg, Maurice J., Eugene Spokane University
Miller, Ernest, Portland Oregon State College	University of Oregon
Miller, Robert F., Portland University of Oregon	Sharp, Raymond, Pasco, Wash. University of Oregon
Mitchelson, Delmar, Portland Oregon State College	Shearer, Wallace C., Jr., Portland University of Oregon, B.A., 1931
University of Oregon	Shuey, Harold E., Eugene University of Oregon
Morgan, Edward S., Portland Oregon State College	Shuholm, Clarence W., Portland University of Oregon
University of Oregon	Reed College
Myttinger, Harry D., Pendleton Whitman College	Slocum, Donald H., Portland Stanford University
University of Oregon	Starr, Paul H., Corvallis Oregon State College
Nichol, Byron A., Portland Reed College	Tegart, R. Lloyd, Troutdale University of Oregon, B.S., 1919
University of Oregon	U'Ren, Harold M., Portland University of Oregon
Niles, Gussie A., Salem Willamette University, A.B., 1931	VanDervlugt, Gerald G., Portland University of Oregon
Packard, Frank B., Seattle, Wash. University of Washington, B.A., 1930	Varney, George C., Powers University of Oregon
Page, Wayne J., Dallas Willamette University	Wadsworth, George L., Kerby University of Oregon
University of Oregon, B.A., 1931	Waggoner, Richard P., Portland University of Oregon
Piercy, Watt, Portland University of Idaho, B.S., 1931	Wells, Howard A., Hillsboro Oregon State College
Pollard, William T., Springfield University of Oregon, B.A., 1931	Wolf, Gordon A., Portland Reed College, B.A., 1931
Quinn, Robert S., Astoria University of Oregon	Wu, Henry, Portland Reed College
Rauage John M., Salem Willamette University, A.B., 1931	First Year

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GRADUATE STUDENTS 1931-32

Bahrs, Alice M., Ph.D.	Winchell, Ruth, M.A.
Manville, Ira A., M.D.	

SPECIAL STUDENTS 1931-32

Kenyon, Vivian, B.S.	Willer, Elisabeth
Mabie, D. A., M.D.	

TOTAL ENROLLMENT 1931-32

	<i>Men</i>	<i>Women</i>	<i>Total</i>
First year	62	4	66
Second year	63	4	67
Third year	52	3	55
Fourth year	54	4	58
	<u>231</u>	<u>15</u>	<u>246</u>
Special	1	2	3
Graduate (not regis- tered otherwise)	1	2	3
Total	<u>233</u>	<u>19</u>	<u>252</u>

Commencement 1932

Ashland: Southern Oregon Normal School

GRADUATES, 1931-32

STATE NORMAL SCHOOL DIPLOMA

RUTH ANDERSON North Bend	ELLEN ELLIS Ashland
ETHEL ANDREWS Chico, California	CLARENCE ELLISON Portland
HELEN ANGSTAD Lakeview	MAXINE EMERY Ashland
MARY APP Klamath Falls	MARIE ENGLE Klamath Falls
DOROTHY BAILE Klamath Falls	MARJORIE FISK Medford
ARA BECKHAM Bandon	ELLEN FRANCO Ashland
DOW BECKHAM Bandon	WILLIAM FORD Ashland
FRED BENSON Merrill	VELMA GAROUTTE Bandon
ALICE BOWMAN Talent	GARETH GODDARD Rochester, Washington
ROSS BROWN Coquille	LUCILE GORDON Fort Klamath
ELIZABETH BURR Medford	LOUISE HANSON Ashland
GEORGE CALDERWOOD Lakeview	MAXINE HARPER Paisley
HATTI CARDEN Ashland	LELAND HARTER Rogue River
ERMIL CHANEY Days Creek	PEARL HASTINGS Ashland
MAYBELLE CHURCH Medford	JOSEPH HARTLEY Phoenix
MARY CLANFIELD Powell Butte	DAVID M. HAY Silverton
CLEM CLARK Prospect	WELDON HIBBARD Molalla
MILDRED Q. COATS Tennile	WINNIFRED HIBBARD Molalla
MRS. PEARL COOPER Eugene	RUBY HIGINBOTHAM Central Point
MRS. MARY COFFIN Medford	HELEN HONZIK Malin
HOMER CULBERTSON Ashland	IRIS HOUSTON Prineville
MARY DAVIES Jacksonville	ESTHER HUBLER Medford
BERNICE DAVIDSON Prineville	MABLE HUMBLE Baker
FLORENCE DAVISON Oakland	FLORENCE HUNSAKER Jacksonville
FRANCES DAVISON Oakland	CHRISTINE JANSSEN Klamath Falls
JEANNE DAUGHERTY Portland	ALICE JENKINS McKinley
WINNIFRED DEWEY Malin	PAUL JOHNSTON Rogue River
RALPH E. DILLEY Sheridan	PAULINE KELLER Hood River
MARGARET DULAY Siletz	LAUGHLYN KIMBALL Ashland
HARRIET EITEMILLER Ashland	LILLIAN LINDHE Sutherlin
IRVING ELLE Milwaukie	CUMA LANCASTER Bandon

CHARLOTTE LANSBERRY
 Grants Pass
 FERNE LARGE
 Browsville
 AMY LYNCH
 Medford
 MINNIE B. LAW
 Ashland
 MAXWELL MARVIN
 Gold Hill
 BARBARA MACULLAR
 Ashland
 ALICE MAST
 McKinley
 VELMA MASON
 Talent
 KATHLEEN MCCLAREN
 Wallowa
 GEORCIA MCHARGUE
 Reedsport
 ELEANOR METCALF
 Klamath Falls
 EDNA MILLER
 Cottage Grove
 MARY MUNX
 Portland
 FRED MORETZ
 Pasco, Washington
 ANNA NASBURG
 Marshfield
 DOROTHY NEWSOM
 Klamath Falls
 MYRTLE NORRED
 Ashland
 WILMA NUTTER
 Ashland
 LYNDA OEDER
 Ashland
 MADELINE PENDLETON
 Ashland
 FRANCES PALMER
 Klamath Falls
 TOM PALMER
 Halsey
 HARRIETT PELLETT
 Medford
 DOROTHY PITTINGER
 Medford
 MAXINE PITTINGER
 Medford
 ESTHER POLAND
 Portland
 HELEN PORTER
 Medford
 ARTHUR PUTMAN
 Baker
 JEAN PUTMAN
 Ashland
 GERALDINE REGISTER
 Lebanon
 HARRY RICE
 Harrisburg
 WALTER RICHARDSON
 Elkton
 HOUSTON ROBISON
 Arago
 ROBERT ROSENSTIEL
 Portland
 LOIS RUMER
 Klamath Falls
 ELMA RUSSELL
 Myrtle Point
 DONALD ROSS
 Ashland
 LOIS REELEY
 Ashland
 NINA HAINES SCHMITZ
 Marshfield
 MARY SCOTT
 Klamath Falls
 MARY SCHMELTZER
 Sherwood, Washington
 ROY SCHWARTZ
 Ashland
 EVELYN SELLERS
 Myrtle Creek
 MARY SELLERS
 Medford
 LEONA SPAYDE
 Ashland
 MRS. EDITH SOUTHWICK
 Talent
 VERNE SPIERS
 Ashland
 BARBARA STEINBACH
 Reedsport
 ARTHUR STRAUS
 Gold Hill
 ELSIE STONELAKE
 North Bend
 ZELMA STILES
 Olene
 PAUL STRAHAN
 Rogue River
 ADELINE W. STILES
 Ashland
 REGINALD THOMAS
 Klamath Falls
 MARIE TILLMAN
 Klamath Falls
 BEULAH TJOMSLAND
 Roseburg
 DOROTHY TRUESDALE
 Powell Butte
 BETTY VAUGHN
 Eugene
 MARGUERITE WATSON
 Medford
 ELLEN WESTERBURG
 Malin
 MARY WHITELINE
 Klamath Falls
 JEAN WHITNEY
 Roseburg
 VERA WRIGHT
 Ashland
 ALLAN YOUNGMAYER
 Empire
 LONA NATHIEL ZYSSET
 Sheridan

Corvallis: Oregon State Agricultural College

DEGREES CONFERRED JUNE 6, 1932: SIXTY-THIRD ANNUAL COMMENCEMENT

(Degrees conferred at close of 1931 summer session are indicated *.)

DOCTORS OF LAWS

- HENRY J. BERKOWITZ**
B.H. (1918), Hebrew Union College; B.A. (1918), University of Cincinnati; Rabbi (1921), Hebrew Union College.
- JOHN ANDREW BEXELL**
B.S. (1892), M.A. (1902), Augustana College.
- ARTHUR BURTON CORDLEY**
B.S. (1888), M.S. (1901), D.Sc. (1917), Michigan State.

MASTER OF SCIENCE IN BUSINESS ADMINISTRATION

WILLIAM ARTHUR JENSEN

MASTERS OF SCIENCE

- ORVILLE DANIEL ADAMS**
Salem, Marion.
B.S. 1932, Vocational Education, Oregon State College.
Thesis: Adapting Efficiency Methods to Making a Survey of Conditions Surrounding Vocational Education in Medford, Oregon, for the Purpose of Measuring the Effectiveness of this Work and Suggesting Recommendations for Improvement.
- ERNEST LESLIE BEALS**
Corvallis, Benton.
B.S. 1928, Pharmacy, Oregon State College.
Thesis: The Utilization of Ethyl Orthoformate for the Synthesis of Derivatives of Propiophenone.
- GEORGE WASHINGTON BROWN**
Portland, Multnomah.
B.S. 1925, Mechanical Engineering, Oregon State College.
Thesis: A Follow-up Study of the Graduates of Benson Polytechnic School (1925-1929 Inclusive).
- ALBERT M. CAPRON**
Gunnison, Colorado.
A.B. 1924, Western State College of Colorado.
Thesis: How Technical Industrial Arts Courses may Contribute to the Training of Expressional Hand-work Teachers in Grades 1 to VII.
- ROBERT MURRAY EVENDEN**
Warrenton, Clatsop.
B.S. 1931, Forestry, Oregon State College.
Thesis: A Study of Constant Humidity Temperature Schedules in the Drying of Douglas Fir.
- GRANT STEPHEN FEIKERT**
Corvallis, Benton.
B.S. 1930, Electrical Engineering, Oregon State College.
Thesis: An Investigation of Field Strength Variations at Broadcast Frequencies.

MASTERS OF SCIENCE—*Continued*

GILMER LEE HANKINS

Atoka, Oklahoma.
B.S. 1931, Agriculture, Oklahoma Agricultural and Mechanical College.
Thesis: Practical Methods to Control Anemia in Suckling Pigs.

LINDEN ELI HARRIS

Ashton, Idaho.
B.S. 1930, Agriculture, Utah State Agricultural College.
Thesis: A Study of Secondary Root Development in Winter and Spring Wheat and of Seminal Root Number in Wheat and Barley Species.

HILDR EGIL HERMANSON

Corvallis, Benton.
B.A. 1927, Concordia College, Moorhead, Minnesota.
Thesis: The Organization and Practices of School Boards in Second and Third Class Districts of Oregon.

CHARLES SUMNER HOFFMAN

Corvallis, Benton.
B.S. 1930, Commerce, Oregon State College.
Thesis: An Analysis of Methods Employed in Rural Community Surveys.

WINONA LAKE HOOD

Corvallis, Benton.
B.S. 1930, University of Oregon.
Thesis: The Development and Present Status of Vocational Guidance in the High Schools of Oregon.

JESSIE MAY IRVINE

McMinnville, Yamhill.
B.S. 1930, Home Economics, Oregon State College.
Thesis: A Study of Records for Children in Home Management Houses and Nursery Schools with Particular Application to Oregon State College.

VIRGIL DAVIS JACKSON

Corvallis, Benton.
B.S. 1930, Vocational Education, Oregon State College.
Thesis: Social Conflict in Rural Communities of Oregon.

JESSE CARL KIMMEL

Estacada, Clackamas.
B.S. 1923, Chemical Engineering; B.S. 1929, Pharmacy, Oregon State College.
Thesis: The Quantitative Determination of Carbone in Essential Oils.

JAMES WILLIAM KIMMEY

Corvallis, Benton.
B.S. 1931, Forestry, Oregon State College.
Thesis: A Pathological Survey of the Peavy Arboretum.

WILHELM JAMES KOLLAS

Corvallis, Benton.
B.S. 1930, Mechanical Engineering, Oregon State College.
Thesis: An Investigation of Domestic Oil Heating with Special Emphasis on Warm-air Furnaces.

MARTIN JOHNSON LANZ

Portland, Multnomah.
B.S. 1927, Electrical Engineering, Oregon State College.
Thesis: An Analysis of the Proposed Columbia River Power Development.

DONALD EDWARD LINDSAY

Corvallis, Benton.
B.S. 1931, Mechanical Engineering, Oregon State College.
Thesis: An Investigation of the Commercial Application of Surface Combustion as Applied to Industries.

FELIPE PATRICIO LOGAN

Solano, Philippine Islands.
B.S. 1929, Pharmacy, State College of Washington.
Thesis: The Alkaloidal Content of Oregon-Grown Scotch Broom (*Cytisus scoparius*, Linne), Link *Leguminosae*.

MASTERS OF SCIENCE—*Continued***WALTER THOMAS LUND**

Portland, Multnomah.
B.S. 1930, Agriculture, Oregon State College.
Thesis: Studies of Yellow Rust of Rubus.

CLIFFORD CHARLES McLEAN

Portland, Multnomah.
B.S. 1931, Vocational Education, Oregon State College.
Thesis: The Practice of Making Lesson Assignments in the High Schools of Oregon.

KENNETH ROSS MACLEAN

Tacoma, Washington State.
B.S. 1930, Chemical Engineering, Oregon State College.
Thesis: A Phase Rule Study of Mixed Derivatives of Alcohols.

JAMES BROWNLOW MANNING

McMinnville, Yamhill.
B.S. 1934, Electrical Engineering, Oregon State College.
Thesis: An Investigation of the Electrical Precipitation of Spray and Fog by 60 cycle Alternation Fields.

ADA REED MAYNE

Portland, Multnomah.
B.S. 1918, Home Economics, Oregon State College.
Thesis: A Brief Study of a Sample of Preschool Children in Oregon.

HENRY D. MORELAND

Corvallis, Benton.
B.S. 1930, Electrical Engineering, Oregon State College.
Thesis: The Radio Interference from Conductor Corona.

BENJAMIN HODGE NICHOLS

Corvallis, Benton.
B.S. 1919, Electrical Engineering, Oregon State College.
Thesis: Rural Electric Rates and Rural Line Extension Policies of the United States.

CLARENCE STANLEY OSIKA

Monmouth, Polk.
B.S. 1927, University of Utah.
Thesis: Financing of Cooperative Marketing Associations in Oregon.

JOSEPH DRANE PATTERSON

Corvallis, Benton.
B.S. 1925, Pharmacy, Oregon State College.
Thesis: The Preparation and Study of 1-Cyatine.

NORTON LEE PECK

Corvallis, Benton.
B.S. 1931, Mechanical Engineering, Oregon State College.
Thesis: Cr-Ni Steels and Their Corrosive Attack by Sulphite Liquor.

MAYBELLE RARDIN

Colorado Springs, Colorado.
A.B. 1921, Colorado State Teachers College.
Thesis: A Suggested Commercial Curriculum for the Small High School in the State of Oregon.

ALBERT FREDRICK SANDER

Redfield, South Dakota.
B.S. 1930, Agriculture, South Dakota State College.
Thesis: Alfalfa Seed Production and Some Factors which Affect Seed Yield in Western Oregon.

GALENA ONEIDA SANDWICK

Corvallis, Benton.
B.S. 1930, Vocational Education, Oregon State College.
Thesis: Guiding Women in the Choice of Vocational Opportunities.

MASTERS OF SCIENCE—Continued

FLORENCE THERESA SCOTT

Corvallis, Benton.
 B.S. 1931, Commerce, Oregon State College.
 Thesis: A Study of the Psychological Laws Used in the Analytical Method of Teaching Gregg Shorthand.

LYALL DEFOREST SEARING

Portland, Multnomah.
 B.S. 1928, Agriculture, Oregon State College.
 Thesis: The Manufacture of Butter from Refrigerated Cream.

HALBERT EDGERTON SELBY

Corvallis, Benton.
 B.S. 1916, Agriculture, Oregon State College.
 Thesis: A Statistical Analysis of the Results of Studies of the Cost of Producing Dairy Products in the United States and Canada.

ROY WENDEL SOUTHWICK

Porterville, California.
 B.S. 1927, Agriculture, Oregon State College.
 Thesis: Phosphate Availability in Red Hill Soils.

CECIL LLOYD SPELLMAN

Elizabeth City, North Carolina.
 B.S. 1928, Agricultural and Technical College of North Carolina.
 Thesis: A Plan of Preparation for Negro Teachers of Agriculture in North Carolina.

HOWARD BURTON STANLEY

Portland, Multnomah.
 B.S. 1931, Civil Engineering, Oregon State College.
 Thesis: A Study of Welded Structural Angle Connections.

HOWARD B. TINGLEY

Marysville, California.
 A.B. 1931, Education, Chico State Teachers College.
 Thesis: The Relation between Size of High School Attended and Scholastic Success in College.

WILLIAM ROY VARNER

Corvallis, Benton.
 B.S. 1912, Electrical Engineering, Oregon State College.
 Thesis: The Physical Bases of Seed Separation.

EDWARD KEMP VAUGHAN

State College, New Mexico.
 B.S. 1929, New Mexico College of Agriculture and Mechanic Arts.
 Thesis: Studies of the Crinkle Disease of Strawberry, with Special Reference to its Transmission.

HENRY CHARLES WILLIAMSON, JR.

Hayward, California.
 B.S. 1931, Agriculture, Oregon State College.
 Thesis: The Propagation of the Pacific Coast Evergreen Huckleberry, *Vaccinium Ovatum* Pursh, by Means of Hardwood Cuttings.

HERBERT FRANKLIN WILSON

Graham, North Carolina.
 B.S. 1928, Agriculture, Hampton Normal and Agricultural Institute, Virginia.
 Thesis: The Comparative Values of Light and Dark Egg Yolks with Respect to Vitamin A Content.

WILLARD WILSON YATES

Corvallis, Benton.
 B.S. 1921, Agriculture, Oregon State College.
 Thesis: A Study of the Effect of Accessory Substances on the Adherence of Lime Sulphur Spray to the Integuments of Insects.

BACHELORS OF SCIENCE

SCHOOL OF AGRICULTURE

General Agriculture

DOMINGO ESTRADA EA
Corvallis, Benton
FLOYD LEWELLYN LANGDON
Corvallis, Benton

GEORGE ALBERT POPE
Corvallis, Linn
*FRANK HENRY WALSON
Dinuba, California

Agricultural Education

OTIS CARLETON BROWN
Rainier, Columbia
PAUL OLIVER CHAPMAN
Dallas, Polk

WILLIAM LLOYD SWERINGEN
Corvallis, Benton

Agricultural Engineering

RUSSEL MELVILLE MCKENNON
Ithaler, Union

Animal Husbandry

EDWIN JAMES ALBAUGH
Corvallis, Benton
*JOSEPH BELANGER
Corvallis, Benton
ALFRED BENEZETT CROUTER
Union, Union
WEBBER PETTEY DOUGHTON
Lebanon, Linn
LAWRENCE EDWARD FRANCIS
Corvallis, Benton

LLOYD HIRAM GRIGGS
Cottage Grove, Lane
FRANCIS M. HORN
Cottage Grove, Lane
GLEN LOWELL HUTCHINSON
Vale, Malheur
EMMETT KNICKERBOCKER
Redmond, Deschutes

Botany and Plant Pathology

JOE DERRMAH
Corvallis, Benton

Dairy Husbandry

ERWIN ALLEN DANN
Fowler, California
THOMAS CAMPBELL HALL
Corvallis, Benton

FRANCIS CLAUDE SPARKS
Astoria, Clatsop

Entomology

ROBERT WATT PRENTISS
Corvallis, Benton
JAMES RICHARDEON ROAF
Corvallis, Benton

JOSEPH SCHUH
Portland, Multnomah

Farm Crops

ALVIN EUGENE GROSS
Halfway, Baker
ERNEST ROBERT SEARS
Rickreall, Polk

JAMES HAYES WEATHERSPOON
Elgin, Union

Farm Management

HENRY LUROME DUNN
Corvallis, Benton
EVLON JOY NIEDERFRANK
Corvallis, Benton

CLAUDE DAVIS PONTING
Port Orford, Curry
MILLARD DOUGLAS RODMAN
Culver, Jefferson

SCHOOL OF AGRICULTURE—Continued

Horticulture: Horticultural Products

THOMAS HAMILTON DEARMOND
Suver, Polk.

Horticulture: Landscape Architecture

THOMAS PAUL DUTCHER
Corvallis, Benton
MARIE MONICA HARBECK
Grants Pass, Josephine
GEORGE COOPER HUNTINGTON
Altadena, California

MARGARET JOHNSON
Twin Falls, Idaho
JAMES P. LANGDON
Corvallis, Benton

Horticulture: Pomology

DALE MILTON DASCH
Salem, Marion
EMILE LEO SCRANNO
The Dalles, Wasco

RONALD STEVENS UDELL
Yakima, Washington State

Horticulture: Vegetable Gardening

NATHAN JACOB KURTH
Brooks, Marion

Poultry Husbandry

JOSEPH WEAR JARVIS
Ontario, Malheur
JESSE LEWIS RIFFE
Corvallis, Benton

HENRY AUSTIN WINDSOR
Corvallis, Benton
WALTER E. EMRICK
Tangent, Linn

DEPARTMENT OF CHEMICAL ENGINEERING

HAROLD WILLIAM BERG
Salem, Marion
MARION ERNEST CADY
Portland, Multnomah
ALAN WILFRED COBB
Portland, Multnomah
EUGENE HERBERT CUSICK
Forest Grove, Washington
EDWIN BORIS ENGELSTAD
Portland, Multnomah
PAUL EUGENE FORCUM
Whitefish, Montana
GEORGE HOLBROOK GALLAWAY
Hood River, Hood River
HENRY MERLE GARRETSON
Portland, Multnomah
HOWARD EUGENE HANTHORN
Portland, Multnomah
BURLIN BLUE KING
Corvallis, Benton

LOUISE MARIE LERCH
Portland, Multnomah
GERALD RAYMOND MCKENZIE
Hermiston, Umatilla
BAIN LAUGHLIN MCKINNON
Corvallis, Benton
ROY WILLIAM MINEAU
Marshfield, Coos
ROCCO VERNON MOWAN
Corvallis, Benton
MYRON JOHN POWERS
Corvallis, Benton
BARTON FLETCHER SAWYER
Oswego, Clackamas
OWEN WILSON SELANDER
Sumner, Coos
ROBERT WILLIAM STONE
Estacada, Clackamas

SCHOOL OF COMMERCE

CARL JOHAN AHLERS
Summit, New Jersey
IRMA ANNETA ALCORN
Corvallis, Benton
PAUL GRAHAM ALLEN
Medford, Jackson
ROY EARL RENE ANDERSON
Albany, Benton

ACE I. ARNSBERG
Portland, Multnomah
LLOYD V. BAKER
Carlton, Yamhill
FORREST ELINOR BALES
Kimberly, Grant
STUART RIGGS BALSIGER
Klamath Falls, Klamath

SCHOOL OF COMMERCE—Continued

- DONALD CLINTON BAUER
Molalla, Clackamas
- ERNEST WILLIAM BAUER
Portland, Multnomah
- HAARY BERGH BECHEN
Hillsboro, Washington
- LOIS MARIE BECKLEY
Roseburg, Douglas
- GEORGE PARKER BEERE
Corvallis, Benton
- MARJORIE MAE BEITH
Joseph, Wallowa
- MARGARET ELECTA BILLING
Corvallis, Benton
- DONALD CLINTON BONEBRAKE
Portland, Multnomah
- JOHN JAMES BRADLEY
Vallejo, California
- HOWARD FRENCH BROWN
Maxwell, California
- ROBERT BEN BROWN
Burns, Hartley
- BYRON ARTHUR CARLSON
Portland, Multnomah
- JANET MARY CARLSON
Ione, Morrow
- FRANKLYN MARION CHANDLER
Baker, Baker
- GEORGINA SUZANNE CLARK
Halsey, Linn
- JEROME WADKAM CLARK
Portland, Multnomah
- MARGARET FRANCES CLARK
Portland, Multnomah
- HAROLD ERNEST COOK
Portland, Multnomah
- VIOLET CROFOOT
Portland, Multnomah
- ELMER WARDIN CRUMP
Adel, Lake
- JEAN CURRIE
Camas, Washington State
- MARGARET ETHEL DALE
Canyon City, Grant
- FRANK WILLIAM DEDMAN
Corvallis, Benton
- JOHN J. DEIFELL
Portland, Multnomah
- GEORGE RICHARD DUFF
Baker, Baker
- EDWARD ETELAND
Portland, Multnomah
- IVAN LEROY ELAM
Corvallis, Benton
- GEORGE WOODMAN ELDEN
Central Point, Jackson
- KENNETH MOEN ENGBRETSEN
Rainier, Columbia
- LESTER TIMOTHY FARLEY
Corvallis, Benton
- NORTON ALEXANDER FORSYTH
Santa Rosa, California
- AMBY FREDERICK
Medford, Jackson
- MARY ALLISON GARDNER
Napa, California
- VERNON CONERY GARDNER, JR.
Turlock, California
- *JAMES STILLINGER GIBSON
Corvallis, Benton
- ANNABELLE JANET GRANT
Portland, Multnomah
- HAROLD HUBERT HADLEY
Vale, Malheur
- FRANK CHAMP HARMS
Portland, Multnomah
- JAMES MARTIN HOWARD
Milton, Umatilla
- SIDNEY LINCOLN JOHNSON
Pendleton, Umatilla
- MARY INEZ KNIEFEL
Gresham, Multnomah
- DEL BRYAN MCCLURE
Portland, Multnomah
- GEORGIA MAE McDONALD
Portland, Multnomah
- CARROLL BARTON McMATH, JR.
Medford, Jackson
- HOWARD SEWELL MERRILL
Corvallis, Benton
- FRANK JOSEPH MILLER, JR.
Palo Alto, California
- LAVERA JOANN MOE
Corvallis, Benton
- WILLIAM WENDELL MONROE
Portland, Multnomah
- ALTON MORRIS
Oregon City, Clackamas
- DOROTHY ADA NICHOLSON
Portland, Multnomah
- FRANK WARD O'CONNOR
Portland, Multnomah
- MAE PAINTER
Corvallis, Benton
- HELEN LOUISE PANZER
Portland, Multnomah
- CLARENCE NEWTON PARKER, JR.
Portland, Multnomah
- PRUDENCE ELIZABETH PAULSEN
The Dalles, Wasco
- CLIFFORD WILLIAMS PAYNE
Portland, Multnomah
- HARVEY DIERC PEASE
Portland, Multnomah
- CHARLES WILBER PETERS
Redmond, Deschutes
- WENDELL THOMAS PHIPPS
Berkeley, California
- ELEANOR MAY POPE
Park Place, Clackamas
- EIND EDWARD POYSKY
Astoria, Clatsop
- MARGUERITE BLACKMAN PRATT
Medford, Jackson
- WILLIAM MANLON PURDIN
Medford, Jackson
- GLENN RAPOTH
Junction City, Lane
- FRANK SCRIBNER REAGER
Orland, California
- MARTIN WALTER REDDING
Salem, Marion
- MARY ALICE REED
Estacada, Clackamas
- FLOYD ROOT
Wasco, Sherman
- HELEN MARIE ROSE
Oregon City, Clackamas
- GLEN W. ROSENBERG
Tillamook, Tillamook
- PAUL JOSEPH RYAN
Nashville, Lincoln
- KENNETH W. SAWYER
Kerby, Josephine
- *FLORENCE T. SCOTT
Portland, Multnomah
- STANLEY GARDNER SEYMOUR
Corvallis, Benton

SCHOOL OF COMMERCE—*Continued*

GLADYS LAURA SHANK Portland, Multnomah	RICHARD LYON THOMAS Los Angeles, California
BERTIL SJOBLUM The Dalles, Wasco	HOWARD WALTER VIERRA Corvallis, Benton
BESSIE MARIE SKAALK Portland, Multnomah	MILDRED OLIVE WALL Tigard, Washington
ERNEST PORTER SMITH Etna, California	LAWRENCE HENRY WARREN Portland, Multnomah
*LOIS AULREN SOUTHAM Corvallis, Benton	ROBERT EDWARD WILLIAMS Corvallis, Benton
DOROTHY SPRAWKIN Portland, Multnomah	REX HAROLD WILSON Milton, Umatilla
SARAH ELIZABETH SPURLIN Corvallis, Benton	FRANK MARION WOOD Corvallis, Benton
RICHARD WILLIAM STARR Portland, Multnomah	KENNETH EUGENE WRENN Corvallis, Benton
JOHN STORER STEPHENS, JR. Palo Alto, California	ROBERT ELLSWORTH WRENN Corvallis, Benton
GEORGE MACLEAN STONE Portland, Multnomah	CHARLES THEODORE YERIAN Harrisburg, Linn
RICHARD IRVING SWENSON Monmouth, Polk	WILLIAM HENRY YOUNG Corvallis, Benton
LOIS ADONNA TERPENING Clatskanie, Columbia	

SCHOOL OF ENGINEERING

Civil Engineering

LOYD LEE ALLEN Philomath, Benton	WILLIAM NORMAN KENNEDY Pilot Rock, Umatilla
ROY GILM ANDERSEN Portland, Multnomah	ORVILLE KOFOID Portland, Multnomah
DOUGLAS GEORGE BAIRD Portland, Multnomah	DAVID HAMMOND MELDRUM Oregon City, Clackamas
VANCE MELVILLE BLACKWELL Juncosa, Alaska	CHARLES WILBERT MUNFORD Banks, Washington
THOMAS ROBINSON CANTINE Portland, Multnomah	ROBERT SCHRYVER MYLNE McMinnville, Yamhill
CANDLER JAMES CARLETON Alsea, Benton	OSCAR HOWARD NORBERG Manzanita, Tillamook
ROBERT NIELS CHRISTIANSEN Portland, Multnomah	JAMES GOODMAN PIERSON Hood River, Hood River
DANIEL EDWARD CURRAN LaGrande, Union	RODERICK LLEWELLYN PORTER West Linn, Clackamas
THEODORE RICHARD DEWITTE Portland, Multnomah	ARTHUR CLARENCE SATRE Astoria, Clatsop
WARREN EVERETT GILBERT Portland, Multnomah	HENRY EDWARD SCHMIDT Portland, Multnomah
WAYNE LEROY GOFF Medford, Jackson	RODNEY JEROME SCOTT Eugene, Lane
WALTER JOHN GROEZ Portland, Multnomah	ROBERT CHALFIN SMITH Portland, Multnomah
PHILIP AUGUST HEIDENREICH LaGrande, Union	NICOLLE ALTON TOOLE Portland, Multnomah
ARNOLD LORENTZ HENNY Portland, Multnomah	

Electrical Engineering

TRACY WERTZ APPELEGATE Yoncalla, Douglas	HAROLD VARLEY ENNOR Salem, Marion
CHESTER ARBO ARFNTS Portland, Multnomah	F. ALTON EVEREST Portland, Multnomah
JAY HEWITT CHATTERTON Portland, Multnomah	ARTHUR WILLIAM FOSTERLING LaGrande, Union
ROBERT HAWKES CRONIN Pendleton, Umatilla	DALE HENRY HANSEN Marshfield, Coos
GERALD ROBERT CUNLIFF Dec, Hood River	GEORGE WILLIAMSON HOWIE Milwaukie, Clackamas
DON ORVILLE DARROW Portland, Multnomah	WILKIE FREEMAN HYNES, JR. Portland, Multnomah
KENNETH ROLAND ELDREDGE Portland, Multnomah	GEORGE WILLIAM KERR Corvallis, Benton

SCHOOL OF ENGINEERING—*Continued*

STEWART HENRY KIBBE Salem, Marion	EDWARD LINDSAY RALSTON, JR. Corvallis, Benton
WILLIAM STACY KLEIN Corvallis, Benton	MAX EUGENE SCHWARTZ Portland, Multnomah
ELLIOTT BOLTE MACCRACKEN Ashland, Jackson	RAYMOND PAUL SCOTT Marshfield, Coos
WILLIAM ALFONSO MILLER Corvallis, Benton	LAWRENCE KELLER SMITH Portland, Multnomah
HOWARD BIRDELL NIXON Corvallis, Benton	JAMES HERBERT SWARNER Hermiston, Umatilla
JOHN JOSEPH PEARL Brownsville, Linn	DONALD MCCORD UMPHREY Cottage Grove, Lane
JOHN MOSES PERUMEAN Downey, California	RUSSELL WAYNE WOODFORD Forest Grove, Washington
BRUCE COOK PRICE Portland, Multnomah	JOHN WILLIAM ZIMRICK Roseburg, Douglas

Industrial Arts

RAYMOND AUGUST CARL Salem, Marion	WALTER LEROY PERRY Grants Pass, Josephine
KENNETH PHILLIPS CHAPSON Corvallis, Benton	LEE STEPHENSON Corvallis, Benton
LEONARD ALBERT MOORE Corvallis, Benton	*LILLARD TRASK SWALL Bend, Deschutes
*CARROLL RUBLE NEWTH Monmouth, Polk	ALDEN REED WILSON Beaverton, Washington

Mechanical Engineering

DANIEL WEBSTER BEATTY Brownsville, Linn	NORMAN HOWARD JONES Corvallis, Benton
ROBERT JULIUS BURKE Portland, Multnomah	ARTHUR J. KASER Burnt Ranch, Jefferson
SHIRLEY WILLIAM BURNETT Eagle Creek, Clackamas	DAVID SIDNEY MCGAVHEY Corvallis, Benton
WARREN GEORGE COOK Warrenton, Clatsop	COLIN HUGH MACDONALD Eugene, Lane
CARL ALLISON CRAMER Portland, Multnomah	CECIL MALCOLM MACGREGOR Terrebonne, Deschutes
GLEN OWEN DOLAN Portland, Multnomah	HOWARD BIRDELL NIXON Corvallis, Benton
RODNEY TAYLOR DUNLAP Portland, Multnomah	ARTHUR JOHN PORTER West Linn, Clackamas
SAMUEL CLYDE DURLAND Roseburg, Douglas	EMORY STRONG Sandy, Clackamas
ALBERT FREEMAN Portland, Multnomah	ALOISE ERWART WENZEL Burns, Harney
WILLIAM HELMUTH GROPP Eugene, Lane	LYLE GILBERT WILLIAMS Gladstone, Clackamas
EDGAR FULLER HOWARD Corvallis, Benton	HOMER LEONARD WILSON Beaverton, Washington
ROBERT ESDON HUMPHREYS Enterprise, Wallowa	

SCHOOL OF FORESTRY

Logging Engineering

RALPH ORLO APPERSON Corvallis, Benton	LORAN LASSELLS STEWART Cottage Grove, Lane
HENRY NEWELL CORY Lakeview, Lake	HAROLD ROBERT WING Astoria, Clatsop

Lumber Manufacture

PHILIP K. BERGER Bend, Deschutes	JOHN BOYD DOYLE Oregon City, Clackamas
WALTER BURLING BOWNE Klamath Falls, Klamath	WALTER ALEXANDER GUSTAFSON Corvallis, Benton

SCHOOL OF FORESTRY—*Continued*

MILTON L. LEISHMAN
Baker, Baker
MERLE STEPHEN LOWDEN
Crawfordsville, Linn
JOHN DELBERT MOFFITT
New Pine Creek, Lake

EVERALD ELMER NELSON
Corvallis, Benton
DENNIS WILMER PATCH
Weiser, Idaho
EDWARD JOHN SMITHBURG
Salem, Marion

Technical Forestry

CLEON LADD CLARK
Bend, Deschutes
HARRY ARDELL FOWELLS
Corvallis, Benton
ORRIS WILFORD HANSON
Silverton, Marion
RALPH W. HORN
Portland, Multnomah
LEE OSCAR HUNT
Corvallis, Benton
SIMERI EINAR JARVI
Astoria, Clatsop
FRED LEIPALD JOY
Portland, Multnomah
CHARLES HARRY LADD
Corvallis, Benton
ROBERT ORVEL LEWIS
Wamic, Wasco
CLARENCE VICTOR LOVIN
Portland, Multnomah
WALFRED JOHN MOISIO
Astoria, Clatsop

ALEXIS TIMOTHY NOGERO
Portland, Multnomah
EDGAR JAMES PARKER
Corvallis, Benton
JOHN RAYMOND PARKER
Los Angeles, California
VELDON ALBERT PARKER
Vernonia, Columbia
HAROLD GURWELL POWELL
Corvallis, Benton
WALTER JOHN PUHN
Corvallis, Benton
EDWARD JOHN SMITHBURG
Salem, Marion
MAURICE LOCKE TROW
Marshfield, Coos
ESTEVAN ARCHIE WALKER
Portland, Multnomah

SCHOOL OF HOME ECONOMICS

LILAH ANNA ACKERMAN
Corvallis, Benton
JANICE MEREDITH ATKINS
Riddle, Douglas
GRACE ELLEN BAIRD
Portland, Multnomah
MARGARET ELIZABETH BARKER
Anacortes, Washington State
LUCY ISABEL BEAN
Portland, Multnomah
MARY KATHRYN BRIGHT
Albany, Linn
ELIZABETH BELL
Portland, Multnomah
ELOISE BILYEU
Portland, Multnomah
JEANE CARLETON BERREL
Portland, Clackamas
GRACE HAYWARD BLOW
Los Angeles, California
EDITH E. BROWN
Lakeview, Lake
HELEN MEANS BROWN
Portland, Multnomah
AURELLA BUCHANAN
Corvallis, Benton
DOROTHY ELIZABETH CARLSTROM
Hamilton, Montana
DOROTHY ELIZABETH CHANEY
Corvallis, Benton
OLIVE MARIE COATES
Corvallis, Benton
CANDACE COOL
Portland, Multnomah
ELSIE VIVIAN CRAIL
Portland, Multnomah
ELIZABETH LOUISE CROWELL
Pasadena, California

MABEL LOUISA CUPPER
Salem, Marion
HELEN MARY DALE
Wallowa, Wallowa
INETA HAMLIN DARLING
Corvallis, Benton
HELEN LOUISE DENMAN
Corvallis, Benton
DOROTHY ANN DILLIN
Pomona, California
MARTHA DORIS DREYER
Portland, Multnomah
MARGARET LORENE DUNN
Dallas, Polk
KATHERINE EACHUS
Lakeport, California
LOIS EVELYN EDGERTON
Lakeview, Lake
LUCILLE VANLOAN ELDRIDGE
Likely, California
EUGENIA BERNADINE FISCHER
Albany, Linn
ROSEMARY GARDINER
Oregon City, Clackamas
LUCILE GILBERT
Corvallis, Benton
HELEN RUTH HAWLEY
Corvallis, Benton
HELEN ELIZABETH HAYDEN
Klamath Falls, Klamath
MINA HESSLER
Dayton, Yamhill
DAPHNA MARIE HOWLAND
Pendleton, Umatilla
MARGARET HELEN JONES
Corvallis, Benton
ESTHER ELIZABETH KAMMERER
Corvallis, Benton

SCHOOL OF HOME ECONOMICS—*Continued*

- *CHARLOTTE FRANCIEL KLOCK
Seattle, Washington State
- THYRA CLAIRE KUHLE
Agate Beach, Lincoln
- LOIS AILEEN LUTZ
Newberg, Yamhill
- MARGARET McALLISTER
Corvallis, Benton
- JESSIE MARGARET MCCREADY
Chiloquin, Klamath
- CATHERINE CORRINE MACKENZIE
Portland, Multnomah
- DOROTHY LORENE MARTIN
Portland, Multnomah
- FLORENCE MARLE MERRYMAN
Silverton, Marion
- *DOROTHEA GRACE MERRYWEATHER
Lebanon, Linn
- HELEN MARY MOORE
Myrtle Creek, Douglas
- KATHLEEN CARROLL O'LEARY
Butte, Montana
- HAZEL PACKER
Eugene, Lane
- *ZELMA PARKER
Corvallis, Benton
- ALVILA VERELLE PEARSON
Raymond, Washington State
- BARBARA BURTIS PECK
Corvallis, Benton
- *HELEN LUCILLE PERRY
Estacada, Clackamas
- ALICE MARGUERITE REID
New Westminster, British Columbia
- DOROTHY LOUISE RICE
Myrtle Creek, Douglas
- HENRIETTA MARY ROBERTS
Portland, Multnomah
- EDITH MARIE ROMIG
McCoy, Polk
- HELEN MARGERY RUSSELL
Corvallis, Benton
- VERA CLARISSA RUSSELL
Riverside, California
- DORIS MERLE RUTHERFORD
Los Angeles, California
- FLOHAINE NAOMI SIMONS
Corvallis, Benton
- LUCILE SKAIFE
Silverton, Marion
- GRACE RUTH SMITH
Medford, Jackson
- MARY STUART
San Marino, California
- DOROTHY TRABERT
Portland, Multnomah
- WILMA ELIZABETH WATERS
Geyserville, California
- VIRGINIA WOLFE
Piedmont, California
- MARY ELIZABETH WORRELL
Albany, Linn

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

- JOHN MORGAN GERRISH
Portland, Washington
- JOHN MELCHOR POORMAN
Portland, Multnomah
- MAYLON EDWARD SCOTT
Corvallis, Benton

SCHOOL OF MINES

- JAMES ARTHUR ADAMS
Corvallis, Benton
- WILLIAM FRANK BORT
Corvallis, Benton
- JACK ARTHUR BROWN
Corvallis, Benton
- WILLIAM WALLACE BYINGTON
Philomath, Benton
- JOSEPH F. HARRINGTON
Corvallis, Benton
- HENRY JULLUM
Portland, Multnomah
- OLIVER GAUF KELLY
Portland, Multnomah
- WALTER ALLEN STOKESBARY
Corvallis, Benton
- HARLAN BURNETT WATKINS
Santa Ana, California
- LEONARD THOMAS WILSON
Corvallis, Benton

SCHOOL OF PHARMACY

- ALEXANDER HENRY ATTERBURY
Albany, Linn
- KENNETH AGE CHAPMAN
Roseburg, Douglas
- ERVIN PAUL DIXENT
Newberg, Yamhill
- BERNARDINE MARY FALLER
Lebanon, Linn
- FRANK DEMRO GARDINIER
The Dalles, Wasco
- FLORIAN ANNE HRUBETZ
Salem, Marion
- DONALD KUC-CHIH LEE
Portland, Multnomah
- ZOA D. LOWTHIAN
Woodburn, Marion
- ROBERT OTTO LUEHRS
Ontario, Melheur
- JOHN RUPERT MERRITT
Corvallis, Benton
- JACK CRABILL NICHOLS
Portland, Multnomah
- HOWARD HARUO NOMURA
Portland, Multnomah
- EDWIN MILTON PORTERFIELD
Elmira, Lane

SCHOOL OF PHARMACY—Continued

KENNETH ERVIN RODGERS
Woodburn, Marion
BONNIE MINNETTA SCHAEFER
Salem, Marion

JOSEPH YOUNG
Salem, Marion

SCHOOL OF VOCATIONAL EDUCATION

ORVILLE DANIEL ADAMS
Salem, Marion
DOROTHY LOUISE ANDERSON
Portland, Multnomah
ELAINE JOYCE ANDERSON
Portland, Multnomah
PAULINE JUNE ANDERSON
Portland, Multnomah
*ALFRED WILLIAM BAILEY
Portland, Multnomah
SOPHIE ELIZABETH BARNUM
Independence, Polk
HARRIET KAYS BEALL
Portland, Multnomah
ELIZABETH BENNETT
Corvallis, Benton
MARY PAULINE BENNETT
Albany, Linn
ROBERT JAMES BLACK
Corvallis, Benton
CARRIE LELA BOULTINGHOUSE
Corvallis, Benton
FERNE MARY BOYLES
Portland, Multnomah
LOIS CLAIRE BROWN
Corvallis, Benton
WILLIAM THOMAS BRUCE
LaGrande, Union
ISABELLE BRYANT
Myrtle Point, Coos
WILLA HOYT BUDD
Glendale, California
EDNA LAWRENCE BURKE
Dallas, Polk
KENDALL EDWARDS BURKE
Dallas, Polk
CATHERINE CALDERWOOD
Lakeview, Lake
LELAND THEODORE COOK
Portland, Multnomah
MARIE CUMMING
Corvallis, Benton
CHARLES LEROY DALTON
Corvallis, Benton
LAURENCE EDWIN DARLINGTON
Corvallis, Benton
GAYLORD STERLING DAVIES
Maupin, Wasco
JOHN FRANKLYN DAVIES
Los Angeles, California
FRANK HERBERT DISBROW, JR.
Grants Pass, Josephine
*JAMES VICTOR DIXON
Corvallis, Benton
GERALD PITTMAN DUDLEY
Wolf Creek, Josephine
GAYLE ELIZABETH DUFF
Portland, Multnomah
*ETHEL MARGARET DUMBECK
Albany, Benton
*MARTIN JOSEPH ELLE
Portland, Multnomah
GILBERT GEORGE ERLANDSON
Portland, Multnomah

RICHARD BERTRAND EVANS
Pendleton, Umatilla
KENNETH FAGANS
Corvallis, Benton
*CATHERINE FAHEY
Oak Grove, Clackamas
ALICE NELDA FISH
Bridge, Coos
ALICE MARY FISHER
Albany, Linn
MILDRED CARLETON FOWELLS
Corvallis, Benton
NELSON HENRY FOX
Portland, Multnomah
AURELIO NONES GABRIEL
Corvallis, Benton
MAURICE McMILLIAN GENTLE
Morrison, Polk
ETHEL FAYE GLASSCOCK
Yakima, Washington State
ARLETHA LAVERN GLAZE
Corvallis, Benton
MARK ALFRED GRAYSON
Portland, Multnomah
HELEN MCKINNEY GUISS
Woodburn, Marion
CLARENCE LLOYD HAGEN
Nashauk, Minnesota
KENNETH OLIVER HAMMER
Rainier, Columbia
ADAH KNAPP HATCH
Corvallis, Benton
*HAROLD WILLIAM HEGDAHL
North Bend, Coos
MARTHA HELEN HILL
Independence, Polk
CURTISS ROXANNE HOTEL
Milwaukie, Clackamas
MARTHA LOUISE HUMPHREY
Portland, Multnomah
ALICE LOCKWOOD INCALLS
Corvallis, Benton
DOROTHY ELLIAN JENSEN
Rainier, Columbia
CARL JOHNSON
Bend, Deschutes
GEORGE ALFRED ARNOLD JONES
Corvallis, Benton
KENNETH CARTER JONES
Corvallis, Benton
JEANNETTE KIMBALL
Philomath, Benton
ELIZABETH LA RUE LINDSAY
Corvallis, Benton
*PHILLIP W. LLOYD
Corvallis, Benton
ARLINE GILLET Loughary
Portland, Multnomah
MILDRED MABEL McCLEARY
McCleary, Washington State
EDWIN OWEN MCKEEN
Portland, Multnomah
SEGUNDO VALBUENA MAGALLANES
Corvallis, Benton

SCHOOL OF VOCATIONAL EDUCATION—Continued

ALICE VIOLA MAXWELL Albany, Linn	WALTER ALBERT SCHULTZ Scappoose, Columbia
MARGARET MARIAN METCALF Portland, Multnomah	WILLIAM HENRY SCHWABE Portland, Multnomah
ALEX LORIMER MILTON Corvallis, Benton	GORDON SCHWEGLER Svensen, Clatsop
ERMA RUTH MINOR Silverton, Marian	MALCOLM M. SHARPE Berkeley, California
PATSY O. MOE Corvallis, Benton	MARIANNE SHARPE Berkeley, California
MARGARET T. NILSEN Eureka, California	*OPAL SIMPSON Sherwood, Washington
ALICE HESTER O'NEIL Corvallis, Benton	VICTOR E. SPARKS Corvallis, Benton
LORIS CALMER OGLESBY Banks, Washington	SYLVIA STRAIN Portland, Multnomah
ARTHA MARIE OLIN Bend, Deschutes	COQUELLE THOMPSON Siletz, Lincoln
GRAYCE ELIZABETH OLIVER Milwaukie, Clackamas	DOROTHY VAN GROOS Corvallis, Benton
GEORGE CLAYRE PARRISH Dallas, Polk	ELIZABETH WALTERS Corvallis, Benton
EDITH ANN PARSONS Palo Alto, California	MARGARET CHARLOTTE WARD Portland, Multnomah
NORBERT EDWIN PEAVY Corvallis, Benton	DAVID MALIN WASHBURN Corvallis, Benton
A. J. PENNEY Corvallis, Benton	HELEN MARGARET WHITELAW Corvallis, Benton
ALEXANDER ALVIN PETELLIN Oregon City, Clackamas	JANET WILSON Ashland, Jackson
BEVERLY SCHOENBORN PETELLIN Oregon City, Clackamas	THOMAS ARDEN WILSON Corvallis, Benton
GEORGE KARL PETERSON Corvallis, Benton	ROSE CAROLINE WINKLER Portland, Multnomah
JENNIE M. REINHART Foster, Linn	HELEN LOU WOODWARD Portland, Multnomah
ARTHUR PHILIP RENNER Portland, Multnomah	ROLAND BAYER WURSTER Aufora, Marion
FLOYD ARLINGTON RISTER Lapine, Deschutes	WILLIAM CLAUDE WYMER Corvallis, Benton
GLADYS OSMUND ROOD Hillsboro, Washington	INEZ YOUNG Hood River, Hood River
ALICE MAY RUTHERFORD Portland, Multnomah	SAYLES LEON YOUNG Corvallis, Benton
MARIE FREDERICKA SCHREPEL Corvallis, Benton	*EDWIN BRUCE ZUMWALT Portland, Multnomah

PHARMACEUTICAL CHEMISTS

SCHOOL OF PHARMACY

*HARVEY DIMOND BEAUCHAMP Albany, Linn	JAMES MOSES RICE Myrtle Creek, Douglas
*ALUIS FEVES Portland, Multnomah	LELAND F. SARFF Corvallis, Benton
CHARLES FREDERICK GARDENHIRE Portland, Multnomah	LOUIS GEORGE STIDHAM Grants Pass, Josephine
DONALD GERMAIN Portland, Multnomah	LAWRENCE TEMPLETON Chicago, Illinois
ROBERT ELLIS MCCUMISKEY Los Angeles, California	JAMES WALLACE TINDALL Toledo, Lincoln
LEON ELBERT POLLOCK Portland, Multnomah	

SENIOR HONOR STUDENTS

(See page 55.)

Elections for June, 1932

*Agriculture*ALVIN EUGENE GROSS
MARGARET JOHNSON
ERNEST ROBERT SEARSJAMES HAYES WEATHERSPOON
HENRY AUSTIN WINDSOR*Chemical Engineering*

ALAN WILFRED COBB

HOWARD EUGENE HANTHORN

*Commerce*ACE I. ARNSBERG
GEORGE PARKER BEEBE
ROBERT BEN BROWN
MARGARET FRANCES CLARK
JOHN J. DEIFELL
CLARENCE NEWTON PARKER, JR.CHARLES WILBER PETERS
ELEANOR MAY POPE
GLADYS LAURA SHANK
LOIS TERPENING
ROBERT EDWARD WILLIAMS*Engineering*JAY HEWITT CHATTERTON
KENNETH ROLAND ELDREDGE
DALE HENRY HANSEN
RAYMOND PAUL SCOTTLAWRENCE KELLER SMITH
CARL ALLISON CRAMER
WILLIAM HELMUTH GROPP
ARTHUR J. KASER*Forestry*HARRY ARDELL FOWELLS
CLARENCE VICTOR LOVIN

MERLE STEPHEN LOWDEN

*Home Economics*LILAH ACKERMAN
KATHLEEN O'LEARY
HAZEL PACKERBARBARA BURTIS PECK
HELEN MARGERY RUSSELL
VERA CLARISSA RUSSELL*Mines*

OLIVER GAUF KELLY

Pharmacy

FRANK GARDINIER

JOHN RUPERT MERRITT

*Vocational Education*DOROTHY LOUISE ANDERSON
MARY PAULINE BENNETT
LAURENCE EDWIN DARLINGTON
ALICE MARY FISHER
ETHEL FAYE GLASSCOCKALICE LOCKWOOD INCALLS
GEORGE ALFRED JONES
BEVERLY SCHOENBORN PETELLIN
JENNIE MILDRED REINHART
HELEN MARGARET WHITELAW

PRIZES AND AWARDS, 1932

(Announced May 18, 1932)

THE CLARA H. WALDO PRIZES

(See page 55.)

*Senior Women**First Honor—*

MARY PAULINE BENNETT
(Vocational Education)

Honorable Mention—

DOROTHY LOUISE ANDERSON
(Vocational Education)
HAZEL PACKER
(Home Economics)

*Junior Women**First Honor—*

ELIZABETH MAY FLETCHER
(Home Economics)

Honorable Mention—

FERN ELIZABETH EDWARDS
(Vocational Education)
ELIZABETH DILLON MCLEAN
(Vocational Education)

*Sophomore Women**First Honor—*

ALLISON COMISH
(Vocational Education)

Honorable Mention—

MAXINE PETERSON
(Commerce)
RUTH ELIZABETH DEARMOND
(Home Economics)

*Freshman Women**First Honor—*

MAUDE LOOMIS BALLY
(Agriculture)

Honorable Mention—

AMELIA MARIE KRUEGER
(Vocational Education)
HELEN G. EWING
(Home Economics)

THE BENTON COUNTY STATE BANK PRIZES

(See page 56.)

*Senior Men**First Honor—*

ERNEST ROBERT SEARS
(Agriculture)

Honorable Mention—

WILLIAM HELMUTH GROPP
(Mechanical Engineering)
CHARLES WILBER PETERS
(Commerce)

*Sophomore Men—**First Honor—*

FRED WILLIAM SALING
(Commerce)

Honorable Mention—

WALTHER HENRY OTT
(Agriculture)
THERALD MOELLER
(Chemical Engineering)

PRIZES AND AWARDS—Continued

*Junior Men**First Honor—*

WALDO BRUCE TAYLOR
(Commerce)

Honorable Mention—

NORMAN N. RUDD
(Chemical Engineering)
ELMER ALFRED BUCKHORN
(Electrical Engineering)

*Freshman Men**First Honor—*

MERWIN MILLER
(Chemical Engineering)

Honorable Mention—

CLYDE THOMAS ROBINSON
(Engineering)
ARTHUR W. WIRCH
(Forestry)

THE JOSEPH H. ALBERT PRIZE

(See page 56.)

BYRON ARTHUR CARLSON
(Commerce)

THE CHI OMEGA PRIZE

(See page 56.)

ALICE MARY FISHER
(Vocational Education)

THE JACOB REICHART PRIZE

Through the generosity of Mr. Jacob Reichart, whose sons were prominent in debating while at the College, an award of twenty-five dollars is made to the student showing the greatest ability in forensics.

ALICE LOCKWOOD INGALLS
(Vocational Education)

THE MOUNTAIN STATES POWER COMPANY CUP

(See page 56.)

MARK ALFRED GRAYSON
(Vocational Education)

THE DRUCILLA SHEPARD SMITH PRIZES

(See page 57.)

First Prize

REX EUGENE ROBINSON
(Commerce)

Second Prize

ELLA MYRTLE DAY
(Home Economics)

THE E. D. RESSLER MEMORIAL

(See page 56.)

NADINE MILLHOLLEN
(Vocational Education)

MILITARY HONORS

HONOR GRADUATES, MILITARY DEPARTMENT

On account of the recognized efficiency of the Military Department at the College, the United States War Department permits the institution to name five percent of the graduates who have pursued the training in the Reserve Officers' Training Corps as Honor Graduates, selection being on the basis of their academic standing on the campus and their interest and efficiency in the prescribed military work.

WILLIAM HELMUTH GROPP
FRANK CHAMP HARMS
LAWRENCE KELLER SMITH

MILITARY COMMISSIONS

The United States Government has established Reserve Officers' Training Corps units in Engineers, Field Artillery, and Infantry at this institution. Few colleges and universities in the United States are so well equipped for efficient military instruction as Oregon State Agricultural College. From 1917 to 1926 a small percentage of educational institutions were listed as "Distinguished" on account of unusual efficiency of the Military Department, as determined by the War Department inspectors. During this ten-year period this institution was so classified with the exception of three years. All of the graduates who complete the R. O. T. C. course are eligible for reserve commissions provided they are recommended by the proper College authorities. These commissions insure them of service as commissioned officers in time of war or emergency. The recipients of these commissions have demonstrated their leadership, manhood, and unselfish devotion to the services of the Nation.

Infantry

DALE ELLIS ALTMAN
EINO ALFRED BOFTO
FRANKLYN MARION CHANDLER
FRANK HERBERT DISBROW, JR.
JACK L. DUFRANE
DON B. DUNHAM
GEORGE WOODMAN ELDEN
CHARLES FREDERICK GARDENHIIRE
FRANK CHAMP HARMS
WILLIAM DUANE KIRK
ROBERT WILLIAM MACCLOSKEY

DEL BRYAN McCLURE
CARROLL BARTON McMATH, JR.
HOWARD SEWELL MERRILL
WILLIAM WENDALL MONROE
CLARENCE NEWTON PARKER, JR.
MALCOLM M. SHARPE
CHRIS JOHN SIEGENTHALER
ERNEST PORTER SMITH
HERBERT WALDO VANVALIN
HOWARD WALTER VIERRA
FRANK MARION WOOD

Field Artillery

RICHARD SAMUEL BAECHEL
GLENN THOMAS BOHANNON
JAMES ROBERT BUCHANAN
CARL ALLISON CRAMER
ROBERT HAWKS CRONIN
ELMER WARREN CRUMP
GRANT HUMBERT EDWARDS
GILBERT GEORGE ERLANDSON
NELSON HENRY FOX
HARRY MERLE GARRETSON
JOHN M. GERRISH
FRANCIS T. GINTHER
LLOYD HIRAM GRIGGS
CLARENCE B. HARLAN
WILLIAM STACY KLEIN

MILTON L. LEISHMAN
FLOYD SAMUEL LEWIS
COLIN HUGH MACDONALD
ALVIN WILLIAM MEADE, JR.
DAVID HAMMOND MELDRUM
ALTON L. MORRIS
JOHN RAYMOND PARKER
JOHN MELCHOR POORMAN
BRUCE COOK PRICE
WADE ARNOLD RODWELL
BARTON FLETCHER SAWYER
EMILE LEO SCHANNO
LAWRENCE KELLER SMITH
NORMAN F. SPANGENBERG
LEONARD THOMAS WILSON

Engineers

CANDLER JAMES CARLETON
HAROLD VARLEY ENNOR
WILLIAM HELMUTH GROPP
STEWART HENRY KIBBE

ROBERT ORVEL LEWIS
WILLIAM ALFONSO MILLER
CHARLES WILBERT MUNFORD
HARLAN BURNETT WATKINS

Eugene: University of Oregon

DEGREES CONFERRED JUNE 13, 1932: FIFTY-FIFTH ANNUAL COMMENCEMENT

(Degrees conferred September, 1931, are indicated *. Degrees conferred January, 1932, are indicated †.)

GRADUATE SCHOOL

DOCTOR OF LAWS

Conferred Upon

STEPHEN SAMUEL WISE

In recognition of his outstanding scholarship, his far reaching liberalism and his tireless efforts for the betterment of humanity and the promotion of international good will.

ROBERT GORDON SPROUL

In recognition of his outstanding position as educational statesman; his inspiring leadership in the field of higher education, and his enlightened conception of social science in relation to human progress and social welfare.

HENRY BALDWIN WARD

In recognition of his outstanding scholarship in biological sciences and his constructive work in the conservation of wild life and natural resources through the application of scientific principles and an awakened public consciousness.

DOCTOR OF SCIENCE

Conferred Upon

CHESTER WESLEY WASHBURN

In recognition of his signal achievement in the field of Petroleum Geology; his wide and thorough knowledge of geological principles and their application to the affairs of life; and in recognition of his contributions to the understanding of the geology of Oregon.

DOCTOR OF PHILOSOPHY

J. DEWITT DAVIS

B.A., M.A., Idaho.

Major, Education. Minor, Psychology.

Thesis: How-To-Study work at the University of Oregon: a statistical and experimental evaluation.

RALPH WALDO LEIGHTON

B.A., College of Idaho.

Major, Education. Minor, Philosophy.

Thesis: A study of student achievement at the college level.

*CHARLES DEWEY TENNEY

B.A., Gooding College; M.A., Oregon.

Major, English. Minor, Philosophy.

Thesis: Studies in the language of Shakespeare's characters.

HILBERT JOHN UNGER

B.A., Reed College; M.A., Oregon.

Major, Physics. Minor, Mathematics.

Thesis: Infra-red absorption spectra.

MASTER OF ARTS WITH HONORS

*RONALD H. BEATTIE

B.A., J.D., Oregon.
Major, Sociology.

Thesis: The factors of age, nationality and occupation in the disposition of felony cases in Multnomah county.

MASTER OF SCIENCE WITH HONORS

†ROBERT FREDERICK LANE

B.S., Oregon.
Major, Journalism. Minor, Psychology.

Thesis: Periodistic and modernistic typography historically considered.

MASTER OF ARTS

JOHN ELIOT ALLEN

B.A., Oregon.
Major, Geology. Minor, Paleontology.

Thesis: Contributions to the structure, stratigraphy and petrography of the lower Columbia River gorge.

*FRANCES BACON

B.A., Oregon.
Major, English. Minor, French.

Thesis: The influence of Scott on the early novels of Balzac.

LOIS M. INMAN BAKER

B.A., Oregon.
Major, Latin. Minor, Greek.

Thesis: De vita Belisarii.

ELIZABETH BARTO

B.A., Montana.
Major, Biology. Minor, Chemistry.

Thesis: An analysis of white spotting in the deer mouse, *Peromyscus maniculatus*.

VIDA L. BUEHLER

B.A., Oregon.
Major, Physical Education.

Thesis: The effect of various heights of heels upon erect body posture and an investigation of possible reasons.

DORA ELLEN CASH

B.A., Cotner College.
Major, Sociology. Minor, History.

Thesis: The influence of European immigration on the labor supply in the United States with reference to certain aspects of occupational distribution.

JOHN H. COX

B.A., Oregon.
Major, History.

Thesis: The combination of labor and capital in the coal industry, 1870-1902.

*CATHERINE A. DOBIE

B.A., Oregon.
Major, French. Minor, English.

Thesis: Voltaire's attitude toward Rousseau as shown in his letters.

JESSE STEIWER DOUGLAS

B.A., Oregon.
Major, History.

Thesis: The purchase of the Danish West Indies.

MASTER OF ARTS—*Continued*

HARRY T. DRILL

B.A., Oregon.

Major, Physics. Minor, Mathematics-Chemistry.

Thesis: A survey of electrical resistivity and thermoelectric power of lead-bismuth alloys.

VIRGIL DELMAN EARL

B.A., Oregon.

Major, Education.

Thesis: An investigation of the amount of time students study at the University of Oregon and some of the obstacles that interfere with study.

LOUIS S. GOODMAN

B.A., Reed College.

Major, Anatomy. Minor, Pharmacology.

Thesis: The effect of lack of stimulation on the optic system of rabbits.

GEORGE H. GOODYEAR

B.A., University of Redlands.

Major, Chemistry. Minor, Physics.

Thesis: The chemical properties of the nutritive for Gebrüde Mayer yeast.

*JESSE MEREDITH HAWLEY

B.A., Santa Barbara State College.

Major, Education.

Thesis: Adult education in California high schools.

GERTRUDE MARCELLA HERRING

B.S., Drake University.

Major, English.

Thesis: A study of English dramatic burlesque from Beaumont to Sheridan.

†JACK ERNEST HEWITT

B.A., California.

Major, Physical Education.

Thesis: Layout and construction of high school and college swimming pools on the Pacific coast.

DANIEL GRAFTON HILL, JR.

B.A., Lincoln University.

Major, Sociology.

Thesis: The Negro in Oregon.

*ROBERT FRANKLIN JACKSON

B.A., Oregon.

Major, Physics. Minor, Mathematics.

Thesis: Some problems of the wave mechanics.

BRUCE JENNINGS

B.A., Utah.

Major, English.

Thesis: The use of chance in the fiction of Thomas Hardy.

JOSEPH R. JENSON

B.A., Brigham Young College.

Major, Physical Education. Minor, Education.

Thesis: A history of the informal program of physical education in the United States.

JOHN WILLIAM JOYCE

B.A., Whitman College.

Major, Economics.

Thesis: The development of Oregon public utility regulation, 1843-1900.

EDNA MARIE KEEPERE

B.A., Oregon.

Major, Mathematics. Minor, Physics.

Thesis: Practical solution of boundary value problems.

MASTER OF ARTS--*Continued*

KARL KLEMM

B.A., Oregon.
Major, Chemistry. Minor, Mathematics-Physics.
Thesis: The structure of cellulose-acetate gels.

MARJORIE W. LANDRU

B.A., Oregon.
Major, Physical Education.
Thesis: The contributions of contemporary dancers to the dance.

KARL SIGURD LANDSTROM

B.A., Oregon.
Major, Economics.
Thesis: Short selling on the organized exchanges: a phase of the theory of speculation.

LAWRENCE DALE LESLIE

B.A., Oregon.
Major, Biology. Minor, Falconology.
Thesis: Seasonal changes in the testis of the robin, *Planesticus migratorius propinquus*.

KENNETH GORDON MCGILL

B.A., Reed College.
Major, Latin.
Thesis: Latin writings of the twentieth century.

*BERNARD EDWARD MOTT

B.A., Whittier College.
Major, English. Minor, Education.
Thesis: A comparison of William Blake's theology and some aspects of modern Christian doctrine.

DAVID WILMARTH NORTRUP

B.A., Reed College.
Major, Animal Biology. Minor, Chemistry.
Thesis: Length tension relationships in chemical contractures of skeletal muscle.

ISOBEL ORCHARD

B.A., Montana.
Major, English.
Thesis: The influence of Sterne upon modern fiction.

*HARRY EARL PEMBERTON

B.A., Willamette.
Major, Sociology.
Thesis: Certain factors which have retarded minimum wage legislation for women in the United States.

MARIAN PETERSON

B.A., Whitman College.
Major, Mathematics. Minor, English.
Thesis: Fourier's and related integrals.

SHAULER A. PETERSON

B.A., Oregon.
Major, Chemistry. Minor, Physics.
Thesis: The refractive index of gelatin systems.

RAEMER E. SCHREIBER

B.A., Linfield College.
Major, Physics. Minor, Mathematics-Chemistry.
Thesis: Report on a preliminary study of copper-chromium alloys.

M. MEREDITH SHEETS

B.A., Oregon.
Major, Geology. Minor, Falconology.
Thesis: Contributions to the geology of the Cascade Mountains in the vicinity of Mount Hood.

MASTER OF ARTS—*Continued*

*SISTER MARY DOLOROSA (Alice Trolan)

B.A., Oregon
Major, Education.

Thesis: A history of the foundation and development of the schools of the Holy Names of Jesus and Mary in the Oregon province between 1859 and 1931.

*SISTER MARY JAMES PADDEN (Mary Gertrude Padden)

B.A., Creighton.
Major, English. Minor, History.

Thesis: Frank Norris' conception of romanticism as realized in his fiction.

†SISTER MARY XAVERINE

B.A., Oregon.
Major, German.

Thesis: Contributions to German hymnology by Catholic poets and writers.

HELEN SMITH

B.A., College of Idaho.
Major, Plant Biology.

Thesis: A preliminary report on a fossil flora from Rockville, Oregon.

†ALICE L. SPURGIN

B.A., Oregon.
Major, Education.

Thesis: A study of the reading tastes, vocational choices, and the hobby interests of junior high school pupils.

WILLIAM THOMAS STARR

B.S., Northeast Missouri State Teachers College.

Major, French. Minor, German.

Thesis: The literary ideas of M. Francois Mauriac.

FRANK SCUDDER STOWELL

B.A., Whitman College
Major, English.

Thesis: Thomas Carlyle's adaptation of the Jocelin Chronicle for the second book of his "Past and Present."

HORACE C. TERRELL

B.A., Earlham College.
Major, English.

Thesis: Night Thoughts: a literary exerescence.

*HORTON EMMETT WEBB

B.A., Kansas.
Major, Education.

Thesis: A study of the results of the use of a workbook upon progress in arithmetic in the Portland schools.

*HARRY B. WELLS

B.A., Middlebury College.
Major, French. Minor, Education.

Thesis: Flaubert's method of characterization.

†BENJAMIN MACLEAN WHITESMITH

B.A., Oregon.
Major, History.

Thesis: Henry Villard and the development of Oregon.

ASTRID MORK WILLIAMS

B.A., Oregon.
Major, German. Minor, Scandinavian.

Thesis: Knut Hamsun's attitude toward modern civilization.

MASTER OF ARTS—*Continued*

GLENN J. WOODWARD

B.A., Whitman.
Major, Chemistry.
Thesis: The fungicidal power of phenol derivatives.

MASTER OF SCIENCE

*ALFRED P. ACOSTI

B.S., Oregon State College.
Major, Physics. Minor, Education.
Thesis: Spectroscopic analysis of the absorption bands of chlorophyll, acetone, and alcohol in the infra-red region from 0.9 μ to 2.00 μ .

JOHN M. AHEARN

B.S., Whitman College.
Major, Physics.
Thesis: Wave propagation at high radio frequencies.

RICHARD G. BOGUE

B.S., Oregon.
Major, Geology. Minor, Paleontology.
Thesis: A petrographic study of the Mount Hood and Columbia River basalt formations.

GLADYS R. BURKETT

B.S., Oregon.
Major, Education.
Thesis: An experimental study of relationships between ethical judgment and ethical conduct of pre-school and primary children.

E. MERL CLASEY

B.S., Oregon.
Major, Education.
Thesis: The kinaesthetic technique of teaching non-readers: its history and psychology.

STEPHEN D. COLEMAN

B.S., Oregon State College.
Major, Chemistry.
Thesis: The effect of temperature upon the swelling of gelatin gels in iso-osmotic solutions of sodium chloride, potassium chloride, and strontium chloride.

ARTHUR LYNN FRYER

B.S., Oregon.
Major, Biology.
Thesis: A study of the survival of vagus and sympathetic nerve endings at relatively high temperatures.

S. LESLIE GODARD

B.S., Oregon State College.
Major, Education.
Thesis: The reliability of superintendent's and principal's estimates of the success of their teachers and the relationship of this teaching success with the teacher's college record.

*MILDRED DOW HICKEY

B.S., Oregon.
Major, Education.
Thesis: A health text for 4A classes in the Portland schools.

*FLORENCE ARVILLE HILL

B.S., Oregon.
Major, Education.
Thesis: A study of arithmetic abilities in grade 5B of a large city school system.

MASTER OF SCIENCE—*Continued*

LUCILLE FRANCES HILL

B.S., Oregon.
Major, Physical Education. Minor, Education.
Thesis: A crude scale to be used for the grading of some hockey techniques.

†HYRUM B. HUNSAKER

B.S., Utah State College.
Major, Physical Education.
Thesis: Comparative study of the cost of instruction of physical education and various other departments at the University of Oregon.

†FRANK L. LOMBARD

B.S., Oregon.
Major, Economics.
Thesis: The seasonal load factor in railway transportation.

MURIEL B. NERSETH

B.S., North Dakota.
Major, History.
Thesis: Diplomatic relations of the United States and Haiti.

MARIAN PETTIBONE

B.S., Linfield College.
Major, Biology. Minor, Chemistry.
Thesis: Variations in growth-promoting power for planarian worms of adult and embryonic tissues.

WILLIAM THOMAS REBURN

B.S., Oregon.
Major, Chemistry.
Thesis: Equilibrium in the ternary systems, water, isoamyl alcohol, and halogen acids.

LOUIS WESSEL

B.S., Oregon State College.
Major, Education.
Thesis: A course in nature study for adults.

VERNON M. WHITE

B.S., Oregon.
Major, Chemistry.
Thesis: The qualitative and quantitative separation and determination of barium, strontium, and calcium.

MASTER OF FINE ARTS

ELIOT C. FLETCHER

B.S., Florida.
Major, Architecture and Allied Arts (Architectural Design).
Thesis: The Neptean Exposition—a world's fair.

WALTER PRITCHARD

B.S., Oregon.
Major, Architecture and Allied Arts (Sculpture).
Thesis: Laborer in Stone.

LUCIA WILEY

B.A., Oregon.
Major, Architecture and Allied Arts (Painting).
Thesis: Oregon Fisheries and Fishing (four true frescoes).

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Portland
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Tacoma, Washington
- HOPE SHELLEY
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- DOROTHY MARIE SHERMAN
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Portland
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- ERROL BERRY SLOAN
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- WELLS BRYSON SMITH
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- M. MADOLYN SNIDER
Portland
- PHILLIP STAATS
Dallas
- JESSIE ELLEN STEPHENS
Portland
- *VIRGINIA STERLING
Eugene
- JACK HIRAM STIPE
Portland
- EVELYN LAVELLE STRUBE
Pendleton
- DOROTHY MAY TEEPE
Portland
- LUCILE MARGARET TERRILL
Eugene
- *PAULINE ETHEL THOMPSON
Eugene
- *EDWARD S. THORSTENBERG
Portland
- DOROTHY G. TONGUE
Hillsboro

BACHELOR OF ARTS—Continued

NANCY HARKNESS NORTHUP TURNER Portland	MARJORIE C. WILHELM Eugene
RUTH CLARK VAN DINE Eugene	*ALPHA WILLIAMS Beaverton
HELEN VOELKER Cornelius	EDITH WINESTONE Portland
GEORGE LELAND WADSWORTH Kerby	†ELMER F. WOLLENBERG Portland
RICKARD P. WAGGONER Portland	MAURICE WOOD Salem
ELAINE MARIE WHEELER Eugene	

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JULIAN APIL Philippine Islands	OSBORNE C. HOLLAND Eugene
G. HOWARD BARRETT Eugene	THOMAS SHANARD JOHNS Pendleton
FRED W. BAUMANN LaGrande	HELEN FRANCES KAUFMAN Portland
NIEL FRANCIS BLACK Portland	ROBERT WILLIAM KERN Portland
HAROLD EDWARD BLACKBURN Arlington	MARGARET KERNS Eugene
LLOYD HUBERT BROWN Yamhill	HAZEL LUCILLE KULL Creswell
ALBERT P. BROWNE Portland	DELMAN VERNON KUYKENDALL, JR. Klamath Falls
HARRY CLIFFORD BROWNE, JR. Portland	*CELESTINE SARMIENTO LAGASCA Eugene
CALVIN M. BRYAN Eugene	*HAROLD R. LUCAS Portland
PAUL HAYDN CAMPBELL Canyonville	MALVIN MCCARTHY Eugene
WALLACE J. CAMPRELL Eugene	WILLIAM ERNEST MCKITRICK Eugene
HARRIETTE PAULINE CHASE Portland	FRANK ANTHONY MAJKA Tacoma, Washington
BERNICE A. CONOLY Eugene	†FLORENDO MANGAVIL Eugene
NETTA ELIZABETH R. COOK Portland	*ARTHUR JOHN MARKEWITZ Portland
JAMES CRISBEY Gresham	DORA ELLEN MOORE Rainier
JACK RICHARD DANT Portland	GLEN E. MORGAN Roseville, California
*ROBERT DERY Eugene	JAMES MCCAUSLIN MOYNAHAN Sacramento, California
†GEORGE A. DODDS Oregon City	ELSIE ELIZABETH MULLINER Eugene
ALFORD M. DOWNS Eugene	SAM H. NIGH San Francisco, California
ROBERT DANIEL ECKMAN Eugene	LAWRENCE ELMER OPEDAL Silverton
ELEANOR LOIS ENGLISH San Diego, California	*PHILIP HAROLD OVERMEYER Orting, Washington
ANNA VIRGINIA EVANS Chiloquin	WILLIAM BUCKNER PITTMAN, JR. Eugene
ROBERT CRAWFORD EVERTS Los Angeles, California	PERCY RIDDELL Monmouth
ERIC JOHN FORSTA Astoria	LLOYD L. RUFF Eugene
ELIZABETH M. GESLER Centralia, Washington	SISTER MARY NORBERTA Oswego
ALLAN BINGHAM GRIGGS Eugene	FREMONT SMITH Portland
F. SYDNEY HANSEN Portland	FLORIS A. SORENSEN Sisters
*ORRIN RICHARD HESS Portland	†FLORENCE GERALDINE SPENCE Eugene

BACHELOR OF SCIENCE—*Continued*

PAUL H. STARR Corvallis	HOWARD ALLISON WELLS Hillsboro
*FLORENCE ESTELLA TAFT Portland	*ERMA LAURA WIGGIN Astoria
†GEROLD C. VAN DERVLUGT Portland	GEORGE ELMER WILL Portland
BOBBIE DEAN WALDEN Eugene	DAVID WILLIAMS Portland
EDWARD C. WALL Eugene	MARGARET ELAINE WILLIAMS Elgin
*MAY ARNOLD WELLS Silverton	*BESSIE JABUSCH WOODMANSEE Portland

SCHOOL OF APPLIED SOCIAL SCIENCE

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DOROTHY ANN BRIDGEMAN Portland	MAE L. RIVERS Oakland, California
NAOMY B. CARLTON Springfield	*E. MADELINE SNYDER Portland
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EVA A. DAVIS Portland	BELLA BERNICE REED Corbett
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MARY ELIZABETH CHANEY Portland	BELLA BERNICE REED Corbett
MAMIE FRANCES HENDRYX Portland	DOROTHY L. TURNEY Portland
HELENE FRANCES KOKE Eugene	ERMA LAURA WIGGIN Astoria
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RUTH DAMSKOV Portland	SIBYL T. WALKER Portland
RUTH GANIERE Portland	CATHERINE C. WEBSTER Portland
RUTH E. GOUGH Portland	

FIFTH YEAR CERTIFICATE IN SOCIAL WORK

MARGARET D. CARTER, B.A. Portland	BEATRICE R. THOMPSON, B.S. Portland
GRACE IRENE RITCHIE Portland	

SCHOOL OF ARCHITECTURE AND ALLIED ARTS

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DAVID BLOOM
Portland
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Klamath Falls
*HARRIETTE HOLLAND
Oregon City
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Portland

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FRED C. MACDONALD, JR.
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San Diego, California
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Portland
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Eugene
EUGENIA VAN CLEVE
Exeter, California

SCHOOL OF BUSINESS ADMINISTRATION

MASTER OF BUSINESS ADMINISTRATION

LESLIE B. NEWHOUSE
B.A., Oregon
Thesis: A model merchandising plan for a department store as determined by a study of consumer buying attitudes in Eugene, Oregon.

A. TRUMAN SETHER
B.A., Oregon.
Thesis: Location as a factor in the manufacture of pencil slats.

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Ashland
MILDRED FLETCHER DICKSON
Eugene
*STELLA COFFIN DWYER
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ANNE GEENTY
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*AUBREY E. HAAN
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*ROSE IDA HALDEMAN
Cottage Grove
*GRACE I. HALL
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- MARGARET HAMMERBACHER
Grants Pass
*AGNES HATTAN
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Eugene
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Portland
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BACHELOR OF ARTS IN JOURNALISM

ARTHUR DELBERT ADDISON, JR. Eugene	*HENRIETTA FRANCES STEINKE Portland
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BACHELOR OF SCIENCE IN JOURNALISM

CARL CURTIS WEBB
Eugene

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HERBERT MACINTYRE GRAHAM
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ARTHUR PAUL IRELAND
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NEIL R. SHEBLEY
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DON K. EVA
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JAMES T. LANDYE
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JOHN VAN BUSKIRK LONG
Roseburg
WILLIAM THOMAS NOEL
Eugene

SCHOOL OF MEDICINE

See pages 753-756.

SCHOOL OF MUSIC

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Medford
JAMES E. LOVE
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†NELLIE LOUISE FRANKLIN Portland	VARA ELIZABETH KASER Portland
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RUBY FRANCES GEORGE Eugene	IRMA LORRAINE LOGAN Portland
EVA A. GRIES Portland	VELMA POWELL Moro
RUTH HARDY GRIFFIN Portland	ROSE SIMONS Eugene
ROMA M. GROSS Eugene	ALICE AUGUSTA WOODSON Eugene
CAROLYN A. HABERLACH Tillamook	

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HELLEN IRENE DUNSHEE Portland	*GEORGE ESTELL SHOEMAKER Independence
GLADYS ELIZABETH GREGORY Crescent Lake	VERA SNOW San Jose, California
VIRGINIA GRONE Portland	FLORENCE EMMA TENNANT Longview, Washington
MARION E. HALL Helix	MARY A. WILBURN Waitsville
CARYL MARZETTE HOLLINGSWORTH Eugene	LAWRENCE EDWARD WINTER Duluth, Minnesota
CLIFFORD HORNER Eugene	JUANITA O. YOUNG Portland

RECOGNITIONS FOR HONORS WORK

HONORS WITH THESIS

Architecture

CHLOETHIEL BLANCHE WOODARD

Thesis: Muirotanas: A Colony for General and Tubercular Convalescent Patients.

Education

HERBERT RAYMOND MCBEE

Thesis: Thackeray's Portrayal of Childhood, Adolescence, and Educational Institutions.

English

GRACE BURNETT

Thesis: Dr. Burney's History of Music.

MARY-KATHERINE FENTON

Thesis: The Character of Cressida as Presented by Chaucer, Henryson, and Shakespeare.

MAXINE KIRK MOORE

Thesis: The Byronic Hero.

LUCY NORTON

Thesis: The Autobiographical Elements in Charlotte Brontë's Novels.

MARGARET ORMANDY

Thesis: The Conceit in Some Religious Lyrics of the Seventeenth Century.

BETTY LOWELL REBEC

Thesis: Pathos and Sentimentality in Samuel Richardson and Charles Dickens.

MARJORIE SHANE

Thesis: A Study of the Character in Burton.

HOPE SHELLEY

Thesis: The Influence of Euphuism on the Novels of Thomas Deloney.

History

ROBERT STRONG HARDY

Thesis: The Restoration of the Hittites as a Historical People.

GENERAL HONORS

JACK RICHARD H. BAUER

ELIZABETH SHIELDS HALL

PRIZES AND SCHOLARSHIPS

FAILING PRIZE

(See page 58.)

ROGER A. P'FAFF

BEEKMAN PRIZE

(See page 58.)

WALLACE J. CAMPBELL

ALBERT CUP

(See page 57.)

WALLACE D. BAKER

GERLINGER CUP

(See page 58.)

BETTY ANNE MACDUFF

KOYL CUP

(See page 59.)

ROBERT M. HALL

PHI BETA KAPPA PRIZE

(See page 59.)

E. MADELEINE GILBERT

*Honorable Mention:*LUCY HOWE
BARBARA E. LEISZ
FRANCES E. FRAZIER
MARY JANET COX

SIGMA XI GRADUATE RESEARCH PRIZE

(See page 60.)

LOUIS S. GOODMAN

FRESHMAN READING PRIZES

(See page 58.)

First prize, books to value of thirty dollars:

JAMES W. BROOKE

Second prize, books to value of twenty dollars:

GEORGE G. ROOT

Third prize, books to value of ten dollars:

GEORGE W. BENNETT

WARNER PRIZES

(See page 60.)

STUDENTS FROM THE UNITED STATES

First prize, trip to the Orient at an estimated cost of five hundred dollars:

SCHUYLER A. SOUTHWELL

Second prize, fifty dollars:

GEORGE R. BLODGETT

STUDENTS FROM THE PHILIPPINES AND FOREIGN COUNTRIES

First prize, one hundred dollars:

WU TANG

Second prize, fifty dollars:

PEDRO A. ZARAGOZA

PHILO SHERMAN BENNETT PRIZE

(See page 59.)

STEPHEN B. KAHN

EDISON MARSHALL PRIZE

(See page 58.)

JAMES CRISSEY

VICE-PRESIDENTIAL CUPS

(See page 60.)

WOMEN

KAPPA ALPHA THETA

MEN

SIGMA HALL

W. F. JEWETT PRIZES

(See page 59.)

ADVANCED CONTEST FOR MEN

First prize, twenty-five dollars:

JAMES T. LANDYE

Second prize, fifteen dollars:

GEORGE W. BENNETT

ADVANCED CONTEST FOR WOMEN

First prize, twenty-five dollars:

ALICE M. REDETZKE

Second prizes, ten dollars each:

FLORENCE E. HOLLOWAY
 JEAN M. LENNARD
 BERNICE A. CONOLY

CONTEST FOR UNDERCLASS MEN

First prize, twenty-five dollars:

ROBERT C. TUGMAN

Second prize, fifteen dollars:

ORVAL N. THOMPSON

Third prize, ten dollars:

THEODORE J. PURSLEY

CONTEST FOR UNDERCLASS WOMEN

First prize, twenty-five dollars:

PAULINE F. GEORGE

Second prize, fifteen dollars:

EULA L. LOOMIS

OREGON STATE SOCIETY OF CERTIFIED PUBLIC
 ACCOUNTANTS' SCHOLARSHIP

(See page 61.)

ROLF V. BODDING

BETA GAMMA SIGMA AWARD

(See page 58.)

LLOYD G. HUMPHREYS

PHI CHI THETA KEY

(See page 59.)

ALICE REDETZKE

ALPHA KAPPA PSI AWARD

(See page 58.)

ARTHUR M. CANNON

LIFE INSURANCE PRIZE

(See page 59.)

CHARLES F. GILLESPIE

AMERICAN BANKERS' ASSOCIATION LOAN SCHOLARSHIP

(See page 62.)

MYRL R. LINDLEY

MCMORRAN AND WASHBURNE PRIZES

(See page 59.)

First prize, fifteen dollars:

HAL E. SHORT

Second prize, ten dollars:

ROBERT M. HALL

Honorable Mention:

EMBERT A. FOSSUM

RUFUS H. KIMBALL

ADVERTISING CLUB OF PORTLAND SCHOLARSHIP

(See page 62.)

HAL E. SHORT

BOTSFORD-CONSTANTINE PRIZES

(See page 58.)

First prize, twenty dollars:

BARNEY MILLER

Second prize, fifteen dollars:

FRED W. MEEDS

Honorable Mention:

ROBERT K. ALLEN

PHILIP COGSWELL

HAM-JACKSON PRIZES

(See page 59.)

First prize, twenty-five dollars:

HAL E. SHORT

Second prize, fifteen dollars:

EUGENE D. MULLINS

Third prize, ten dollars:

ROBERT M. HALL

Fourth prize, five dollars, divided between:

CARL C. WEBB

KATHRYN L. PERIGO

THE EMPORIUM (SAN FRANCISCO) OPPORTUNITY AWARD

(See page 63.)

PHILIP COGSWELL

SUMMER SCHOLARSHIPS IN ADVERTISING

(See page 63.)

Foster and Kleiser Scholarship:

HAL E. SHORT

Meier and Frank Scholarship:

RUFUS H. KIMBALL

HILTON PRIZES

(See page 59.)

First prize, fifty dollars:

ROY L. HERNDON

Second prize, twenty-five dollars:

AVERY W. THOMPSON

Third prize, fifteen dollars:

JOSEPH A. MCKEOWN

JOHN BERNARD JAKWAY MEMORIAL SCHOLARSHIP
IN CHEMISTRY

This scholarship, awarded annually to the most outstanding junior in the Department of Chemistry, is the interest on a gift of one thousand dollars from Mr. and Mrs. Bernard C. Jakway in memory of their son, John Bernard Jakway.

GEORGE STERLING BAILEY

DONALD H. SAUNDERS

FLEISCHMANN FELLOWSHIP

(See page 61.)

GEORGE H. GOODYEAR

CARL M. LYMAN

KINGERY DERMATOLOGICAL RESEARCH FELLOWSHIP
IN CHEMISTRY

(See page 62.)

GLENN J. WOODWARD

BANCROFT-WHITNEY PRIZE

(See page 58.)

ROY L. HERNDON

PHI BETA SCHOLARSHIPS

(See page 63.)

Given by Associate Members:

FRANCES B. BROCKMAN

Given by Active Members:

HELENE M. ROBINSON

ROBERTA R. SPICER

CHI OMEGA PRIZE

(See page 58.)

EVA A. DAVIS

HENRY WALDO COE PRIZE

(See page 60.)

LOUIS S. GOODMAN

MILITARY COMMISSIONS

The following students completed work in the Department of Military Science on the Eugene campus, qualifying them for commissions as Second Lieutenants, Infantry, in the Officers' Reserve Corps, United States Army.

WALTER WAYNE ADAMS
 HAROLD EDWARD BLACKBURNE
 IRA W. BROWN
 WILLIAM G. EAST
 WAYNE HOMER EMMOTT
 QUINCY DOUGLASS HOWELL
 JAMES OTHELLO HUGHES
 ARTHUR PAUL IRELAND
 JOSEPH WILSON JOHNSTON
 TREVE JARVIS JONES

GEORGE C. KOTCHIK
 PAUL RAYMOND LAFFERTY
 JOHN EUGENE LONDAHL
 THEODORE M. NATT
 DENZIL LE ROY PAGE
 JOHN GODDIN PAINTON
 GEORGE HAYES PRATT
 WILBER AUBREY SHANNON
 THORNTON KNIGHT SHAW
 WILLIAM FREMONT SMITH

La Grande: Eastern Oregon Normal School

GRADUATES, 1931-32

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(* Indicates diploma received at end of 1932 summer session.)

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 Cove
 BESSIE BARRY
 Mt. Vernon
 DELVA BEERS
 Ontario
 ELEANORA BEERS
 Ontario
 *RUFUS E. BIBLE
 Monument
 VELMA BICHSEL
 The Dalles

GLADYS BILLINGS
 Imbler
 HILLARD BROWN
 La Grande
 RITA BURRES
 Wasco
 ARLENE BYRD
 Pilot Rock
 *HARVEY CARTER
 Union
 *LILLIAN CHADWICK
 Elgin

- BETH ROGERS CHRISTESON
Ontario
- *CHAS. CHRISTESON
Ontario
- LEONE CHRISTIAN
Adams
- WINIFRED COBLE
New Bridge
- *RALPH CONNOR
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- JUNE COOLIDGE
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- AGNES DOHERTY
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- AUSTIN DUNN
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- *STELLA EDVALSON
Union
- *BERYL ENGSTROM
Durkee
- KERMIT ESTES
Joseph
- HAZEL EVANS
Flora
- *FRANK FERRIS
Portland
- *BETHEL FLESHMAN
La Grande
- EDNA GILKISON
Haines
- HARRIETT EMMA GLENN
Halfway
- HELEN GLENN
Halfway
- IOLA GOODING
Milton
- RUTH GREENE
La Grande
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Wallowa
- EDNA HAMMACK
Lostine
- *LOUISE HARDMAN
Unity
- EDNA HART
Westfall
- DOROTHY HARTLE
Pendleton
- J. GRACE HEDDEN
La Grande
- MARY HENRICKS
The Dalles
- EUNICE HERR
La Grande
- GRACE HERR
Freewater
- *MARIE HITE
Boring
- MINNIE ELTON HODGIN
La Grande
- LUCILLE HUDNISON
North Powder
- ALICE INLOW
La Grande
- *MYRTLE JACKSON
Haines
- *ESTA JOHNSON
Wallowa
- LEE JOHNSON
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- *EVAWYNNE JONES
Dufur
- *MARY B. KAIL
La Grande
- REEBECCA KEMLER
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- *JOYCE KIRBY
Adams
- LETHA KIRK
The Dalles
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- *ESTHER KNOX
Tygh Valley
- *ALTA LANGLEY
Lime
- RUTH LEONARD
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Haines
- WILMA LONG
Ontario
- RUTH MCCORMICK
La Grande
- JEANNETTE MEDLER
Wasco
- IRIS MORTON
Portland
- ROBERTA NELSON
La Grande
- BERYL NELSON
Nampa, Idaho
- *NELLIE NELSON
La Grande
- *OLIVE NORTHRUP
Newberg
- DALLAS NORTON
The Dalles
- RUBY PARSONS
Elgin
- GRACE PHILLIPS
Haines
- KATHERYN H. PIERCE
La Grande
- WM. CECIL POSEY
La Grande
- OPAL RIDGEWAY
John Day
- *GRANT RINEHART
Enterprise
- *VERLETTA RUGH
Pilot Rock
- VADIS SLACK
La Grande
- *G. RUTH SMALLEY
La Grande
- *FLORENCE SMITH
Elgin
- VERNA SMUCKAL
Freewater
- FRANCES STEPHENSON
La Grande
- DOROTHY STRICKLER
Enterprise
- ROBERT SULLIVAN
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- NAOMA TWIDWELL
La Grande
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Durkee
- MARJORIE WEBER
Athena
- *HESTER F. WESTENSKOW
Imbler
- *PORTIA WESTENSKOW
Imbler
- VICTORIA WORDEN
La Grande

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BERTHA CALGER Oregon City	HELEN HISEY Gresham
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WYNONA S. CARTER Walterville	ELIZABETH L. HORNING Portland
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PEARL CHAMBERLAIN Corbett	MILDRED HUBBERT Portland
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CRYSTAL FERN CLUTE Portland	MAUDE Y. JOHNSON Eugene
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JOAN EVANS Monmouth	ALMA M. LARKINS Mulino
RHODA DELILAH FISHER Hubbard	BERNADINE M. LEDFORS Toledo

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 L. B. MCCLENDON
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 CLARA MAY MOORE
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 North Bend
 LOUISE NELSON
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 Portland
 ANGELO PASERO
 St. Helens
 INA W. PEPPERLING
 Scio
 ESTHER V. PETERSON
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 Portland
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 Cottage Grove
 EVA POOLE
 Ontario
 THERESA M. QUICLEY
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 KENNETH RAMEY
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 Portland
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 NEVA J. ROOT
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 BLANCHE IRENE TONER
 Yoncalla
 LAURA VATNSDAL
 Portland
 HAZEL J. VAN ORSDOL
 Salem
 BARBARA J. WALTERS
 Boring
 H. L. WATENPAUGH
 Corvallis
 HULDA MAAG WAWRINOWSKY
 Metolius
 MARY ANN WELTER
 Goble
 HELEN PLESSINGER WESTENHOUSE
 Independence
 AUDREY M. WOLFARD
 Creswell
 CAROLINE WEBSTER
 Portland
 CORA ETHELYN WOOD
 Bend
 HAZEL JEAN WOODWARD
 Oregon City
 FRIEDA A. YATES
 Willamina

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 Salem
 ALBERTA AYRES
 Wamic
 J. VERNON AYRES
 Wamic
 RUTH L. BAKER
 Newberg
 WILMA F. BAKER
 Manning
 CLARA L. BARKLEY
 Sheridan
 CRYSTAL BAUGHMAN
 Trent
 LILLIAN M. BEATTIE
 Aloha
 WILMA BEAUCHAMP
 Albany
 INEZ WARD BEERS
 Ontario

EMMA CONGER BENEDICT
 Albany
 OPAL I. BENEDICT
 Dufur
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 Hillsboro
 CATHERINE E. BERGER
 Oregon City
 ALTA J. BIXLER
 McMinnville
 HELEN IRENE BLACK
 Portland
 EDNA BOOI
 Monmouth
 MARGARETHE MIRIAM BRADLEY
 Portland
 LA VERNE BRATCHER
 McMinnville
 MARY E. BRISSENDEN
 Multnomah
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 Baker

- EMMA BRYANT
Forst Grove
- CATHERINE BUCKLEY
La Grande
- N. ETHEL BURCH
Independence
- ERNEST P. CALDWELL
Scio
- HAL H. CHAPMAN
Salem
- HELEN I. CHRISTENSEN
Monmouth
- FLORENCE J. CLARK
Tangent
- HARRY H. CLONINGER
Warren
- FRANCES ELIZABETH COBERLY
Monmouth
- JOSEPHINE RUTH CONN
Dayton
- HILA J. CORNELIUS
Cornelius
- WINIFRED I. CURTIS
Salem
- CLELAH DAILEY
Reedsport
- RHETA DAILEY
Reedsport
- LETA M. DAVIS
Summit
- LENA MAE DEGNATH
Elkton
- CATHERINE DOWNING
Portland
- JAMES DREW
Newberg
- WANDA DREW
Bandon
- MAEELL DRORBAUGH
Salem
- ONA DURCH
Roseburg
- CLARA MAE ELLIOTT
Harrisburg
- DOROTHY GRACE FARLEY
Portland
- MARGARETTE S. FERGUSON
LaFayette
- ELSIE E. FRALICK
Portland
- FRANCES P. FRIZELL
Monmouth
- DON GALBREATH
Sherwood
- NEVA GEER
Burns
- MAY S. GILL
The Dalles
- JOHN K. GINTHER
Lebanon
- FRANCES M. GNOSS
Cornelius
- MAURICE GLASER
Bend
- LUCILLE GOWDY
Cottage Grove
- GLADYS B. GRAHAM
Monmouth
- HELEN GRAHAM
Sherwood
- MARY M. GRAND
Hillsboro
- IRVINA K. GUILD
Woodland, Washington
- JEAN LOUISE HAGMBIER
Monmouth
- HELEN I. HALL
Seaside
- ELEANOR HALLIDAY
Parkdale
- ELSIE CHARLOTTE HALLIDAY
Oregon City
- ELSIE L. HALVARSON
Cherry Grove
- GRACE HARDIE
Condon
- PHYLLIS HARDING
Portland
- MARY K. HAZLETT
The Dalles
- MARGARET JANE HEDGES
The Dalles
- MARY HEERSBERGER
Independence
- ELTA E. HOHMAN
Cottage Grove
- CHARLOTTE E. HESS
Weston
- CLARA MAE HOOKER
Crow
- MOXIE HOPKINS
Banks
- WILMA ELFRIDA HORN
Salem
- GLADYS HULERY
Junction City
- VELMA FAYE HUSTON
Ione
- CAL H. INGALLS
Monmouth
- AGNES HAZEL IRONS
Salem
- ALICE M. JOHNSON
Estacada
- DAVID JOHNSON
Portland
- IRENE JOHNSON
Boring
- JUNIA M. JOHNSON
Hillsboro
- WYNONA JOHNSON
Portland
- GRACE W. JONES
Monmouth
- HENRIETTA G. JONES
Monmouth
- AILI E. KALLONKI
Clatskanie
- SALMA E. KARASTI
Clatskanie
- LUCILLE L. KENNEDY
Monmouth
- ANNE KIRIGIN
Portland
- ETHEL MOORE KNIGHTEN
Heimiston
- MYRTLE E. KRUCHEK
Hillsboro
- ZOLA KUTCH
Yamhill
- HELEN M. LARRY
Astoria
- MONA E. LARSON
Portland
- DOROTHY LEEDING
Portland
- HELEN LENA LEHR
Columbia
- MARJORIE E. LEONARD
Portland
- EUNICE CYNTHIA LEWIS
Aumsville
- MARGARET LITTON
Tigard
- ALMEDA LONG
Albany

ORPHA LONG	CLAIRE M. PRICE
Rainier	Monmouth
MURIEL RUGG LOVELETT	JULIA MARIE QUERY
Willamina	Salem
VIOLET A. LUCAS	MABEL G. QUICK
Portland	Portland
FLORENCE L. LYNDS	LAURA RACAIN
Portland	Pilot Rock
LILLIAN K. MAKI	EVLYN GERTRUDE RAMAGE
Rose Lodge	Woodburn
MATTIE E. MANN	IRENE P. RAYBURN
Cornelius	Portland
AVIS A. MARTINSON	VALETTE REE
Waldport	Eugene
HELEN AUGUSTA MATHIS	ELSIE M. REYNOLDS
Yoncalla	Salem
HARRIETT MATTECHECK	ESTHER RAZ
McMinnville	Hillsdale
ETHEL L. MCCOY	ORRIN S. RICE
Salem	Marquam
CATHARINE MCCUE	JUNE ROBERTS
Portland	Lebanon
ALFRED M. McMILLAN	RUTH RAE ROSSMAN
Corvallis	Washougal, Washington
HELEN C. McMILLAN	AUGUSTA RUTHER
Portland	Sandy
MARY ELIZABETH MEALEY	LILY E. RYENICK
Foster	Monmouth
GRETCHEN MEHL	MAMIE LAURA SANDY
Coquille	Banks
ZENA VICTORY METTIE	MIRIAM SAVO
Pendleton	Portland
ALICE MIDDLESWART	HELENE M. SCHULZ
Parkdale	Portland
HELEN MARIE MIELKE	MARGRET MATTIE SCRIBNER
Salem	Beavercreek
MARGARET H. MILLER	JUDITH ANNETTE SEVERSON
Portland	Monmouth
MINNIE B. MILLER	ELVA JANE SHAW
Salem	Portland
RUTH MAURINE MILLER	VIRGINIA E. SHUEY
Parma, Idaho	Eugene
DORHALENE MITCHELL	LILLIE LEDRA SISLER
Oregon City	Eugene
MYRTLE JOHNSON MITCHELL	AGNES BLANCHE SMITH
Scaside	Scio
MARJORIE CAROL MONTGOMERY	ALARIS A. SMITH
Portland	Portland
PAULINE M. MORRIS	LESTER E. SMITH
Hermiston	Cornelius
IRENE MUNSON	MILDRED AGNES SMITH
Portland	Dorena
MARGARET NEGRO	LAVELLE SPARKS
St. Helens	Pendleton
EVERETT NEWTON	PATRICIA JEAN SPENCER
Corvallis	Eugene
FRANCES MARION NICHOLSON	CECILE STEELE
Portland	Gervais
ELIZABETH JEAN O'BRIEN	JOHN F. STEELHAMMER, JR.
Echo	Silverton
JOHN P. O'KEEFE	LEE STEWART
Willamina	Tillamook
PAULINE G. OREY	MARGARET STRANDBERG
Salem	Banks
GRACE M. PARMENTER	GLADYS STRATTON
Corvallis	John Day
NORMA E. PARRISH	ONEIZA SUSBOUER
Oceanlake	Portland
LUCILLE PENDELETON	LILLIAN MARTIN SWANSON
Salem	Summit
ESTHER A. PERSON	GERTRUDE TARR
Toledo	Florence
NELLIE M. PETERSEN	HELEN TRIMPLE
Portland	Portland
MARY JANE PETERSON	CLAIRE B. THOMEN
Boring	St. Helens
MARY A. POPE	W. E. THOMPSON
Corvallis	Monmouth

ESTHER A. TOWE
 Silvertown
 HELEN BEATRICE TRAVESS
 Springfield
 DEVENE E. TUBBESING
 Nehalem
 MARY B. UNDERWOOD
 Harrisburg
 FAITH VAN LYDEGRAF
 Eugene
 ANNIE M. VOSE
 Oswego
 JESSIE ALICE WAGNER
 Enterprise
 BONNIE BETH WALKER
 Cottage Grove
 MILDRED HAYS WALLACE
 Hood River
 VERNA ELSIE WARREN
 Newberg
 FLOSSIE B. WATKINS
 Portland
 HAZEL M. WATSON
 Portland
 HELEN L. WEEKS
 Cannon Beach

IRENE ELIZABETH WELLS
 Foster
 ELMA WHITE
 Portland
 JOSEPHINE ANNETTE WIDNER
 Empire
 MARGARET ELIZABETH WIENEKE
 Portland
 HELEN M. WILSON
 Aurora
 LILLIAN L. WILSON
 Logsden
 FRIEDA EVELYN WODTLI
 Waterloo
 ELSIE GERTRUDE WOLFE
 Antelope
 LOUISE M. WRIGHT
 Mayville
 CLYDE B. WUNDER
 Independence
 RACHEL ZACHARY
 Winlock
 BERNICE ZIELKE
 Salem
 ALICE ZOOK
 Milwaukie

GRADUATES, DECEMBER 1931

STATE NORMAL SCHOOL DIPLOMA

ALFRED T. ALLEN
 Portland
 ELLEN H. ALLEN
 Baker
 LAVONA ANDREWS
 Milwaukie
 DELLA BALLANGRUD
 Silvertown
 CLARE BRYANT
 Portland
 DOROTHY ROSE MARIE BRYANT
 Forest Grove
 LOIS N. BUKOKER
 Aurora
 LAURENCE I. CHESTNUT
 Cottage Grove
 MARJORIE E. CLARK
 Goble
 MARY LEE ENSLIN
 Salem
 HAROLD E. EDWARDS
 Portland
 ELSA ERICKSON
 Rainier
 DOROTHY LEE FAST
 Willamina
 PAUL A. GORDON
 Cottage Grove
 FRANCES EVELYN HAYNES
 Sherwood
 FLORENCE ROYAL HODSON
 Redmond
 LOUISE R. HORSKY
 Albany
 LOLITA R. LEES
 Portland

MARGARET M. MARTIN
 Aumsville
 AMANDA E. MCQUEEN
 Holley
 RUBY MERCHANT
 McMinnville
 HELEN ERNST NELSON
 Portland
 HILMA M. OSTLING
 Gresham
 WANDA MAE PHILLIPS
 Albany
 BARBARA M. PURVIS
 Portland
 HELEN B. REED
 La Center, Washington
 JESSIE LORENE RICHARDS
 Aumsville
 WALDO A. RICHES
 Turner
 MELVA RITCHEY
 Portland
 GLADYS C. ROE
 Alsea
 STEPHEN E. SMITH
 Scappoose
 VIRGINIA SHIELDS
 Portland
 VIRGINIA LEE STEELE
 Corvallis
 MARY REYNOLDS WHERRETT
 Centralia, Washington
 CLARA KLAGER WILKE
 Woodland, Washington
 NAOMI R. WARMAN
 Corvallis

GRADUATES, MARCH 1932

STATE NORMAL SCHOOL DIPLOMA

CHARLES C. AILOR Monmouth	HELEN B. MILLER Woodburn
ELDISE L. AILOR Monmouth	GEORGIA THELMA MORGAN Junction City
HELEN J. AMUNDSON Silverton	GEORGE B. MURPHY Monmouth
OWEN L. AYDELOTT Independence	MARY A. O'BRIEN Wapinitia
MARY MCGREGOR COLVIN Deer Island	BERNA D. ORR McMinnville
AUDREY I. CRAWLEY Dayton	THELMA EUNICE PERRY Bend
CLARENCE CROCKER Independence	HOMER W. PLUNKETT Philomath
FLOYD DETERING Monmouth	JEAN NESBITT PORTER Portland
LENA E. DUNRUD Molalla	ELDON RIDDELL Monmouth
LILLIAN PEARL ERVIN Philomath	CLARENCE R. RILEY Portland
WILLOW E. EVANS Monmouth	JULIET R. RICOLLET West Linn
HELEN AUGUSTA FALBE Roseburg	ELIZABETH E. SEACRAVES Milwaukie
MILDRED L. GLAD Tillamook	NORMA LUCILLE SOMMER Scio
AGNES GROTH Lafayette	GERALDINE STEPHENS McCoy
IRENE HALL Yamhill	ELSIE N. SWETNAM Portland
HELEN ELEANOR HEINZ Astoria	FRANCES ELLEN SWETNAM Portland
MARJORY HEWITT McMinnville	DOROTHY G. THROOP Vernonia
WALTER M. HOLLINSWORTH Monmouth	WAYNE THURMAN Noti
OPAL HOSKINS Stanfield	GLADYS TILLMAN Portland
WILLIAM W. KELLEY Independence	REONA TOMLINSON Mohler
RUTH RICE LAFAYETTE Brownsville	MIRIAM TRIPP Albany
CECILLE C. LAURENCE Mt. Vernon	GERTRUDE M. WILLIAMS Metolius
ROBERT H. LOUCKS Brownsville	NELLIE MAE WOOLLEY Gaston
KENNETH F. MASSON Monroe	JESSIE A. WOOD Monmouth
JEANNETTA S. MATTHEWS Roseburg	WAYNE YOUNG Bandon

GRADUATES, JUNE 1932

STATE NORMAL SCHOOL DIPLOMA

HELEN ASBAHR Hillsboro	WALTER CRIST BECK Dallas
HELEN IRLENE ATHEY Portland	FAY LAFERN BEEHLER Boring
LILLIAN AVSTIN Marshfield	JULIA BENNETT Portland
ROBERT I. BAKER Albany	DOLLY G. BENNETTE McMinnville
WALLACE E. BALDWIN Scappoose	ALVA BLACKERBY Oak Grove
JENNIE F. BARCLAY Tidewater	KATHRYN BROWN Portland
JANICE BARNETT Rainier	MILDRED BROWN Sheridan

- JEAN BUCHANAN
 Portland
 LAUREN BUEL
 Tillamook
 SYBIL BURGESS
 Portland
 ELLEN BUTCHER
 Hillsboro
 MOLLIE BUTLER
 Salem
 RALEIGH F. CAROTHERS
 Monmouth
 JACK CLARKE
 Monmouth
 MAREE SOULE CLELAND
 Portland
 OPAL M. COMES
 Waldport
 WILBUR E. CROCKER
 Independence
 J. HARVEY CROWE
 Salem
 BLANCHE DAUGHERTY
 Molalla
 THELMA DAVIES
 Troutdale
 MARY DESANTIS
 Portland
 HAZEL GOYETTE DEGUIRE
 Silverton
 ANNA ELIZABETH DEVLIN
 Portland
 DOROTHY DUTTON
 Portland
 HUGH W. EDWARDS
 Portland
 EMMA E. EHMSEN
 Portland
 PAULINE ELLINGSEN
 Coquille
 LORNA GERTRUDE EMMONS
 Jefferson
 GLADYS ERICKSON
 Oswego
 JAMES ESHTELBY
 Portland
 ARLINE ESTES
 Portland
 RUTH E. FELT
 Astoria
 MARY JO FERGUSON
 Monmouth
 HOLLY M. FINIGAN
 Goble
 LUCILLE A. FISHER
 Dsytan
 ISABEL GILL
 Newberg
 IRENE B. GOYETTE
 Silverton
 EVELYN GRIM
 Astora
 VIRGINIA M. HALL
 Lebanon
 ROSE HAMAR
 Ballston
 IVA DONNELLY HARRIS
 Portland
 PAULINE HART
 Gervais
 BEATRICE RAE HITEMAN
 Cloverdale
 MILDRED HOLEMAN
 Albany
 FLOYD L. HOLT
 Dallas
 J. CLYDE HOPKINS
 Banks
 ODELPHIA HOSKINS
 Stanfield
 IOLA MAE HOUGHTON
 Vancouver, Washington
 EULA MARGARET HUDSON
 Grand Ronde
 LOUISE M. HUMPHREYS
 Oregon City
 LEO M. HUSTON
 Salem
 ESTHER JENSEN
 Marshland
 IRENE JONES
 Portland
 DOUGLAS KABLER
 Creswell
 KRISTINE KALLANDER
 Portland
 ALPHA ELIZABETH KERR
 Hillsboro
 AUDREY KIDNEY
 Clatskanie
 DUANE S. KNAPP
 Molalla
 HELEN LAMAR
 Shedd
 THEODORE LANG
 Monmouth
 ESTELLA MARY LEBOLD
 Salem
 ELWOOD LEHMAN
 Molalla
 HELEN MARGARET LETTOW
 Portland
 MARGARET M. LEWIS
 Astoria
 INGRID A. LIND
 Portland
 MAGDALENE LINDBORG
 Portland
 ZUNA V. LINN
 Oregon City
 EDWARD S. LISTER
 Nashville
 CLARA C. LONG
 Oregon City
 MILDRED E. LOOMIS
 Portland
 BETTY M. LOUDEN
 Clatskanie
 MARY AUDREY LOWE
 Rainier
 LENORA SELMA LOWTHER
 Gaston
 LOIS M. LUCAS
 Troutdale
 WILHELMINA MARRS
 Portland
 ELSIE L. MARTINSON
 Tidewater
 ELIZABETH E. MCCLINTICK
 Yamhill
 KATHLEEN J. MCCRAE
 Monmouth
 WINARETH MCDOWELL
 Hillsboro
 ARLOUINE MCMULLAN
 Otis
 FLORENCE DELAPP MILLER
 Yoncalla
 ANNA M. MOSES
 Portland
 BARBARA NELSON
 Portland
 MILTON P. NEFS
 Silverton
 IDA NIEMELA
 Mayger

NELLIE HIX PAULSON Dufur	HERYL SMITH Bend
FRANCES EDNA PEARCE Newberg	PEARL EMMOGENE SMITH Corvallis
HENRIETTA PAUL Princeton	WANDA V. SOSNICK Portland
HELEN LOUISE PECK Woodland, Washington	MARGARET E. SPENCER Portland
LEILA M. PETERS Banks	VERNICE M. SPENCER Portland
ALVIN POOLE Monmouth	HAZEL SPURLIN Albany
CRYSTAL LILLIAN POUNDER Corbett	LUCY ALICE STEVENS Portland
LOUISA M. POWERS Grande Ronde	JESSIE FAYE STEWART Spray
ELIZABETH PRICE Wells	EDWARD T. TAGGART Portland
IRENE PUGSLEY Buring	FRED A. TRATS Dallas
ARVO RAIKKOLA Portland	EMMA JANE TIFFANY Portland
RUTH RAKEL West Linn	LUCILLE TRENARY Portland
HELEN ELIZABETH REDDIE Cornelius	LOIS I. TRULLINGER Oregon City
ROSE YORK REESE Pendleton	VIOLA MAY TYLER Portland
LILLY B. ROBERG Portland	WILLIAM S. VAN NICE Halsey
HELEN GERTRUDE ROOT Portland	FLORENCE P. VAUGHAN Gladstone
MARGARET LOUISE ST. CLAIR Gresham	ROLLAND T. WATKINS Portland
HARRIET JANE SAUM Portland	GLADYS IRENE WATERMAN Bancroft
EMMA SCHRADER Beaverton	FREDERICA J. WEATHERLY Scottsburg
CARROLL SCHROEDER Portland	H. C. WEST Canby
LILA G. SCHUMACHER Junction City	C. S. WHITE Clatskanie
JOHN D. SCOTT Harrisburg	LINNEA A. WICKMAN Warren
B. W. SENN Monmouth	MYRA L. WIEDEWITZCH Cornelius
SELMER T. SEVERSON Monmouth	LOVINA E. WILSON Tillamook
ELIZABETH SHOOKEN Mosier	MELVIN C. WILSON Independence
FRANCES SHOGEN Mosier	HELEN EVELYN WINSLOW Salem
CLARA SIBBENS Salem	GEARY H. WORTH Portland

HONORS CONFERRED 1932

LAMRON CUP

(See page 60.)

LOVINA WILSON

PRESIDENT'S CUP

(See page 60.)

CARL WHITE

JULIA McCULLOCH SMITH AWARD

(See page 60.)

WINABETH McDOWELL

Portland: University of Oregon Medical School

DEGREES CONFERRED (AT EUGENE) 1929-30

DOCTOR OF MEDICINE

- | | |
|---|---|
| HENRY VICTOR ADIX, JR.
Gresham
University of Oregon, B.A., 1929 | ALFRED GURNEY KIMBERLEY
Portland
University of Oregon, B.S., 1929 |
| JOYCE ALBERT
Portland
University of Oregon, B.A., 1927 | HOWARD PRELPS LEWIS
Portland
Oregon State College, B.S., 1924 |
| WILLIAM FRANCIS BECK
Portland
University of Oregon, B.S., 1923 | RAPHAEL CHRISTOPHER McDONOUGH
Portland
University of Washington, B.A., 1925 |
| ECTOR BOSSATTI
Portland
University of Oregon, B.A., 1927 | DAVID N. MCINTURFF
Portland
State College of Washington, B.A., 1924 |
| IVAN TITUS BUDAEPF
Portland
University of Oregon, B.A., 1927 | THOMAS ADAM MCKENZIE
Portland
University of Oregon, B.A., 1927 |
| LOUIS JULIAN BONNEY
Portland
University of Oregon, B.S., 1927 | LOUIE ALLEN MAULDING
Gresham
University of North Dakota, B.S., 1928 |
| JAY B. V. BUTLER, JR.
Monmouth
Willamette University, B.A., 1926 | VERNE WAYNE MILLER
Eugene
University of Oregon, B.A., 1927 |
| EDWARD JOSEPH CALLOW
Portland
University of Washington, B.A., 1907 | WASILY VILHELM MULLER
Portland
University of Oregon, B.A., 1928 |
| MYRON MADISON CAMPBELL
Rosalia, Washington
University of Washington, B.S., 1926 | JOHN D'ARCY MORGAN
Portland
University of Oregon, B.S., 1927 |
| SANTE J. CARIPAROLI
St. Helens
University of Oregon, B.A., 1927 | ERIC DOLPH PEARSON
Portland
University of Oregon, B.S., 1928 |
| GEORGE HORACE COSKOW
Portland
Oregon State College, B.S., 1925 | JOHN FINLAY RAMSAY
Portland
University of Washington, B.S., 1926 |
| JOYLE DAHL
Portland
University of Oregon, B.A., 1926 | THOMAS DUNCAN ROBERTSON
Portland
University of Oregon, B.A., 1930 |
| EDWARD NORTH DUNN
Portland
Oregon State College, B.S., 1926 | IRVIN SCHATZ
Portland
University of Oregon, B.S., 1927 |
| ROLAND D. EBY
Oregon City
University of Oregon, B.S., 1927 | HERMAN ZEIDMAN SEMENOV
Portland
University of Oregon, M.A., 1930 |
| J. OTTO GEORGE
Portland
Reed College, B.A., 1925 | ROBERT HAJIME SHIOMI
Portland
University of Oregon, B.A., 1927 |
| ALFRED H. GREYER
Eagle Rock, California
University of Oregon, B.S., 1927 | RICHARD DE WEESE SIMONTON
Portland
University of Oregon, B.A., 1928 |
| DONALD STANLEY GIDLEY
Portland
University of Oregon, B.A., 1929 | GEORGE ROBERT SUCKOW
Portland
University of Oregon, M.S., 1930 |
| MARIAN GRACE HAYES
Eugene
University of Oregon, B.A., 1925 | FRANK EDWARD TROTMAN
Portland
University of Oregon, B.S., 1929 |
| GEORGE CHRISTIAN HENNY
Portland
Calif. Inst. of Technology, M.S., 1922 | LYNN SEELEY VAN GORDER
Seattle, Washington
University of Oregon, B.S., 1927 |
| HERBERT CUSHING HENTON
Portland
University of Oregon, B.A., 1927 | HARRY CARPENTER WATKINS
Portland
University of Oregon, B.S., 1928 |
| FORDYCE A. H. JOHNSON
Portland
University of Oregon, B.S., 1927 | HARVEY ANDERSON WOODS
Ashland
University of Oregon, B.A., 1927 |

DEGREES CONFERRED (AT EUGENE) 1930-31

DOCTOR OF MEDICINE

- JOHN EDGAR ANDERSON
Portland
University of Oregon, B.S., 1929
- CARL GEORGE ASKLEY
Portland
University of Oregon, B.A., 1927
- FRANKLIN I. BALL
Portland
University of Oregon, B.A., 1929
- ISAAC DONALD BARTLELL
Salem
University of Saskatchewan, B.S., 1927
- JOSEPH O. BEATTY
Portland
University of Oregon, B.A., 1928
- IVAN E. BENNETT
Lebanon
Pacific University, B.A., 1927
- BURL BETZER
Crabtree
University of Oregon, B.S., 1928
- CHESTER ALLEN BUMP
Portland
Oregon State College, B.S., 1924
- EDGAR MURRAY BURNS
Portland
University of Oregon, M.A., 1931
- MAURICE M. COLLINGS
Portland
University of Oregon, B.A., 1927
- ELIZABETH CURTIS
Weiser, Idaho
University of Idaho, B.S., 1928
- THOMAS ALBERT DAVIS
Portland
Reed College, A.B., 1926
- KATHERINE JEAN EUGAR
Portland
University of Oregon, B.A., 1927
- WILLIAM TRISTRAM EDMUNSON
Salem
Willamette University, A.B., 1927
- HORACE LAYERNE ELDRIDGE
Portland
University of South Dakota, A.B., 1925
- DWIGHT H. FINDLEY
Salem
Willamette University, A.B., 1925
- MARIAN MILLER FOLLIS
Salem
Oregon State College, B.S., 1925
- EDWARD V. FORTMILLER
Albany
University of Oregon, B.A., 1928
- ARNOLD EMIL FRIBORG
Portland
University of Oregon, B.S., 1929
- WESLEY VERNON FRICK
Portland
University of Oregon, B.S., 1929
- WILLARD M. GOBBELL
Portland
University of Oregon, M.A., 1927
- WILLIAM GODFREY
Portland
University of Washington, B.S., 1926
- ROBERT BRONSON GREENE
Eugene
University of Oregon, B.A., 1927
- RONALD S. HAINES
Salem
Willamette University, A.B., 1927
- WILLIAM BARCROFT HANDFORD
Corvallis
Oregon State College, B.S., 1927
- GEORGE RILEY HOGSHIRE, JR.
Portland
University of Oregon, B.S., 1930
- CHARLES MERTON HOLMES
Centralia, Washington
University of Washington, B.A., 1927
- KRISTIAN JOHNSEN
Portland
University of Oregon, B.A., 1928
- LEWIS WILLIAM JORDAN
Portland
University of Oregon, B.S., 1929
- FREDERICK BENJAMIN JOY
Portland
University of Oregon, B.A., 1929
- WALTER LIONEL KELSEY
Portland
University of Oregon, B.A., 1928
- JOHN KUYKENDALL
Klamath Falls
University of Oregon, B.A., 1928
- EDGAR JAMES LEWIS
New Plymouth, Idaho
College of Idaho, B.S., 1925
- HARRY EDWIN MACKEY
Portland
University of Oregon, B.A., 1929
- WALTER MAURICE MORGAN
Portland
University of Washington, B.S., 1929
- SAMUEL JAMES NEWSOM
Prineville
University of Oregon, M.A., 1931
- HOPE BROWN PLYMATE
Marshfield
University of Oregon, B.S., 1925
- MARION REED
Nehalem
Reed College, B.A., 1926
- ROBY JOHN FLINT RENSHAW
Portland
University of Oregon, B.A., 1928
- KENNETH GARRISON REW
Pendleton
University of Oregon, B.A., 1929
- EDGAR M. RUCEN
Portland
University of Oregon, B.S., 1928
- JOYCELIN H. ROBERTSON
Lakeview
University of Oregon, B.A., 1929
- HILTON WILLIAM ROSE
Portland
University of Oregon, B.A., 1929
- OSCAR SCHNEIDER
Portland
University of Oregon, B.A., 1929
- PAUL E. SHININGER
Wheeler
University of Oregon, B.A., 1927
- SOMERS RALPH SLEBP
Portland
College of Puget Sound, B.S., 1927
- JAMES D. STEWART
Eugene
University of Oregon, M.A., 1931
- WILLARD JOHN STONE
Island City
University of Oregon, B.A., 1928

EDWARD DRISKEL TAYLOR Eugene University of Oregon, B.A., 1930	ROBERT GOODWIN WILBUR Hood River University of Oregon, B.S., 1928
FREDERIC EASTLAND TEMPLETON Portland University of Washington, B.S., 1927	WILLIAM PENN WILBUR Portland University of Oregon, B.A., 1929
ROBERT HOFER THOMPSON Portland Univ. of So. Calif at L. A., A.B., 1925	HAROLD LEIGHTON WILLIAMS Corvallis University of Oregon, B.S., 1927
ROOS COOK BLAKENEY THORNTON Portland University of Washington, B.S., 1924	JOSEPH GREGG WILSON Kent University of Oregon, B.S., 1928
LLOYD A. WHEELWRIGHT Salem Willamette University, A.B., 1926	A. EDGAR WRIGHTMAN, JR. Silverton University of Oregon, B.A., 1928
LESLIE ARCHIBALD WHITE Juneau, Alaska University of Oregon, B.S., 1930	

DEGREES CONFERRED (AT EUGENE) 1931-32

DOCTOR OF MEDICINE

JOSEPH MELVIN ASPRAY Spokane, Washington University of Oregon, B.A., 1929	MARGARET IRENE GRIEVE Spokane, Washington State College of Washington, B.S., 1923
CHARLES BURWELL ATKINS Butte, Montana University of Washington, B.S., 1928	CURTIS CLIFFORD HAMBO Portland University of Oregon, B.A., 1928
ALBERT BRUCE BAKER Stanfield University of Oregon, B.S., 1929	PAUL BILLA HANSEN Portland University of Oregon, B.S., 1930
JOHN DENNIS BLAIR Vancouver, Washington Stanford University, A.B., 1928	LELAND STANFORD HARRIS Seattle, Washington University of Washington, M.S., 1927
DONALD WILLIAM BLANCHE Glendale, California University of Oregon, B.S., 1929	WILBUR CURTIS HAYDEN Eugene University of Oregon, B.A., 1926
LEMUEL PERRY BORDEN Palo Alto, California University of Oregon, B.S., 1929	MARIAN BESSEY HEALD Pullman, Washington State College of Washington, B.S., 1929
JAMES EDWIN CAMPBELL Napa, California University of Idaho, B.S., 1929	EDWIN AVISON HENDRY Oregon City University of Oregon, B.A., 1929
ROBERT ANDREW CAMPBELL Rosalia, Washington University of Washington, B.S., 1924	HOMER DALR HOSKINS Dayton, Washington Willamette University, A.B., 1927
LEWIS HOWARD CARPENTER Washougal, Washington University of Oregon, B.S., 1930	BERNARD W. HUMMELT La Grande University of Oregon, B.A., 1930
FILMER WESLEY CARTER Portland Willamette University, A.B., 1926	WENDELL HERBERT HUTCHENS Portland Pacific College, B.S., 1928
GEORGE ELLIOTT DAVIS Payette, Idaho University of Oregon, B.A., 1930	CLYDE B. HUTT Yamhill University of Oregon, B.S., 1929
GEORGE ALFRED DODDS Oregon City University of Oregon, B.S., 1932	MELVILLE SEYMOUR JONES Eugene University of Oregon, B.S., 1929
NAVARRE JAMES DUNN Corvallis Oregon State College, B.S., 1928	CLIFFORD WHARTON KUHN Lebanon University of Oregon, B.A., 1928
ETHEL SOLVEIG GASMAN Spokane, Washington University of Oregon, B.S., 1928	ELLERY LAWRENCE LANDERS Portland University of Oregon, B.A., 1930
LOUIS S. GOODMAN Portland Reed College, A.B., 1928 University of Oregon, M.A., 1932	CHARLES FREDERIC LECOMTE Madison, Wisconsin University of Wisconsin, B.A., 1929
SCOTT HAMILTON GOODNIGHT Madison, Wisconsin University of Wisconsin, B.A., 1930	HENRY RYLE LEWIS Lewiston, Idaho University of Idaho, B.S., 1929

- R. GORDON MACDONALD
Albany
Albany College, A.B., 1927
- JOHN PEMBERTON McVAY
Seattle, Washington
University of Washington, B.S., 1928
- AUGUST E. MILLER
Idaho Falls, Idaho
University of Idaho, B.S., 1930
- FRANK ANTHONY MINAS
Portland
University of Idaho, B.S., 1925
- THOMAS ROBERT MONTGOMERY
Portland
University of Oregon, B.A., 1929
- LEO VINCENT MOORE
Moro
University of Oregon, B.S., 1930
- WALTER CLARENCE MOREN
Yakima, Washington
University of Oregon, B.A., 1929
- J. CLAUDE PROFFITT
Dayton
University of Oregon, B.A., 1926
- FRANK WILBUR RAFFERTY
Astoria
University of Oregon, B.A., 1929
- REED JACOBS RICH
Paris, Idaho
University of Utah, B.A., 1929
- JOSEPH MINOR ROBERTS
Portland
University of Oregon, B.A., 1929
- ALEXANDER TRELOAR ROSS
Honolulu, T.H.
Stanford University, A.B., 1928
- JOHN PUTNAM RUSSELL
Fairwood, New Jersey
Willamette University, A.B., 1927
- LELAND GUY RUSSELL
Billings, Montana
State College of Washington, B.S., 1928
- GIFFORD DEALTON SEITZ
La Grande
University of Oregon, B.A., 1929
- LILLIAN SHUTTER
Los Angeles, California
Univ. of California at L. A., A.B., 1927
- DELBERT LYLE STOKESBARY
Ontario, California
University of Oregon, B.A., 1929
- GRAEME HAMMOND STRICKLAND
Portland
Pacific University, A.B., 1928
- WILLIAM J. SWETT
Portland
Reed College, B.A., 1928
- J. IRVING TUELL
Tacoma, Washington
University of Oregon, B.S., 1928
- BEN VIDGOFF
Portland
University of Oregon, B.S., 1929
- ALMON JOHN WHITE
Portland
University of Idaho, M.S., 1926
- WILLIAM LAWRENCE YOUNG
Three Forks, Montana
University of Montana, B.S., 1928

MILITARY COMMISSIONS

The following students completed work in the Department of Military Science and Tactics, qualifying them for commissions as First Lieutenants, Medical Section, in the Officers' Reserve Corps, United States Army.

- CHARLES BURWELL ATKINS
JOHN DENNIS BLAIR
LEWIS HOWARD CARPENTER
GEORGE ALFRED DODDS
CURTIS CLIFFORD HAMBO
HOMER DALE HOSKINS
BERNARD W. HUMMELT
HENRY RYLE LEWIS
- JOHN PEMBERTON McVAY
WALTER CLARENCE MOREN
J. CLAUDE PROFFITT
FRANK WILBUR RAFFERTY
ALEXANDER TRELOAR ROSS
GIFFORD DEALTON SEITZ
DELBERT LYLE STOKESBARY
WILLIAM J. SWETT

Summary of Enrollment 1931-32

ENROLLMENT BY CAMPUSES, REGULAR SESSIONS 1931-32

	First or fresh- man year	Second or soph- omore year	Third or junior year	Fourth or senior year	Professional	Graduate	Special	Total
Ashland: Southern Oregon Normal School*	460	141	64	.....	.....	.....	.....	665
Corvallis: Oregon State College.....	1,101	1,094	481	529	.....	158	70	3,433
Eugene: University of Oregon.....	774	945	386	509	118	282	74	3,088
La Grande: Eastern Oregon Normal School*	227	206	.....	.....	.....	.....	.....	433
Monmouth: Oregon Normal School*	382	799	125	.....	.....	.....	.....	1,306
Portland: University of Oregon Medical School .....	.....	.....	.....	.....	246	3	3	252
Total	2,944	3,185	1,056	1,038	364	443	147	9,177

ENROLLMENT BY CAMPUSES, SUMMER SESSIONS, EXTENSION CLASSES, AND CORRESPONDENCE STUDY, 1931

	Summer Session	Extension Classes	Correspon- dence Study
Ashland: Southern Oregon Normal School*	276	.....	.....
Corvallis: Oregon State College.....	879	84†	53†
Eugene: University of Oregon.....	.....	3,347	2,143
First Session	746	.....	.....
Post Session	267	.....	.....
Summer Cruises	148	.....	.....
La Grande: Eastern Oregon Normal School*	184	.....	.....
Monmouth: Oregon Normal School*.....	782	.....	.....
Portland: Extension Center (University)....	803	.....	.....
Total	4,085	3,431	2,206

DIPLOMAS, CERTIFICATES, AND DEGREES BY CAMPUSES, 1931

	Diplomas and Cer- tificates	Bachelor's degrees	Master's degrees	Doctor of Phi- losophy	Other higher degrees‡
Ashland: Southern Oregon Normal School	178	.....	.....	.....	.....
Corvallis: Oregon State College.....	12	493	34	.....	4
Eugene: University of Oregon.....	21	505	72	4	15
La Grande: Eastern Oregon Normal School	92	.....	.....	.....	.....
Monmouth: Oregon Normal School	548	.....	.....	.....	.....
Portland: University of Oregon Medical School .....	.....	27	1	.....	55
Total	851	1,025	107	4	74

*The summer session enrollments for the three normal schools are included in the totals for regular session.

†Extension enrollments do not include State College adult extension in agriculture and home economics, junior extension through the 4-H clubs, nor radio classes. These total tens of thousands annually.

‡Includes honorary degrees.

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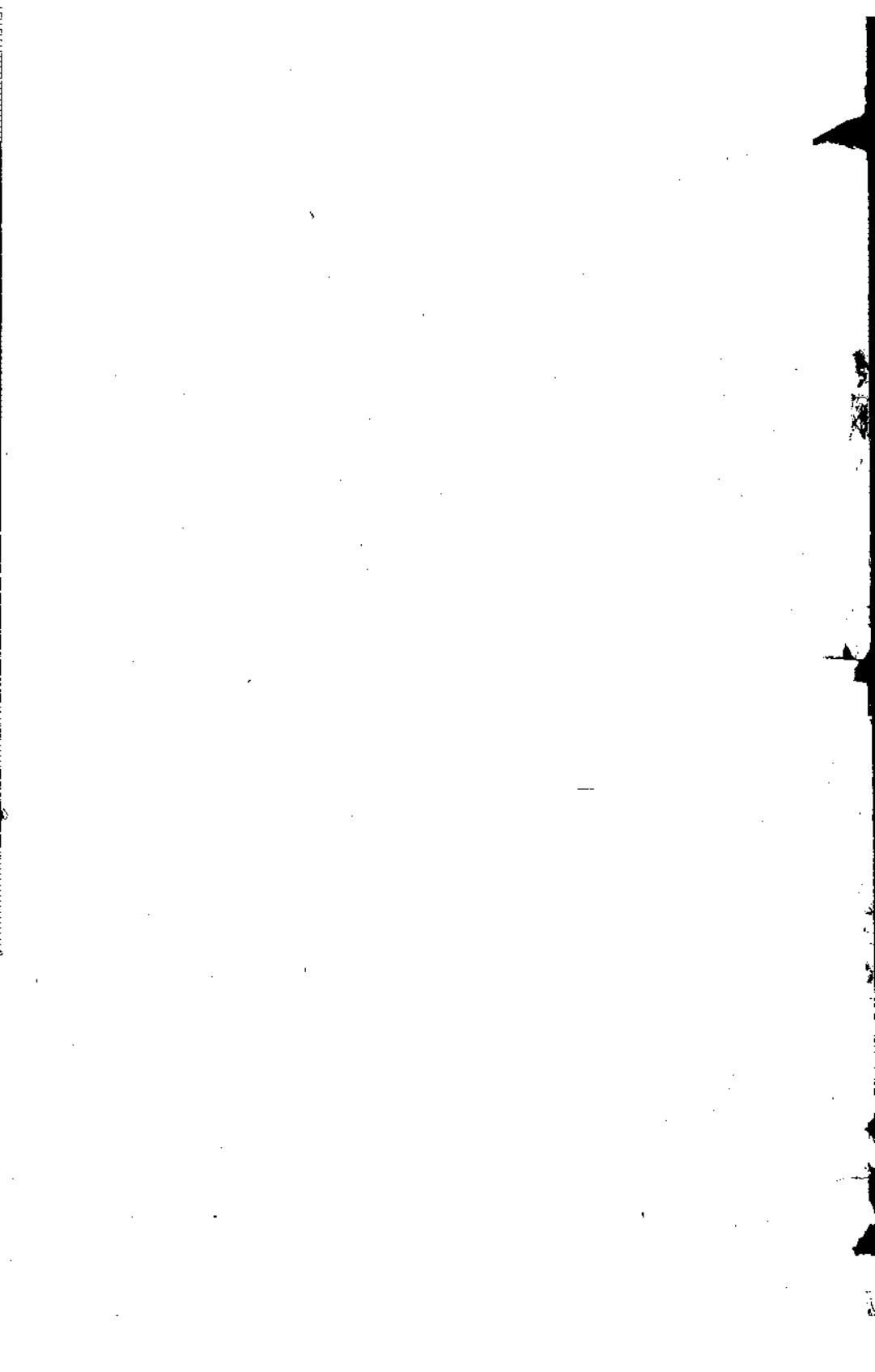
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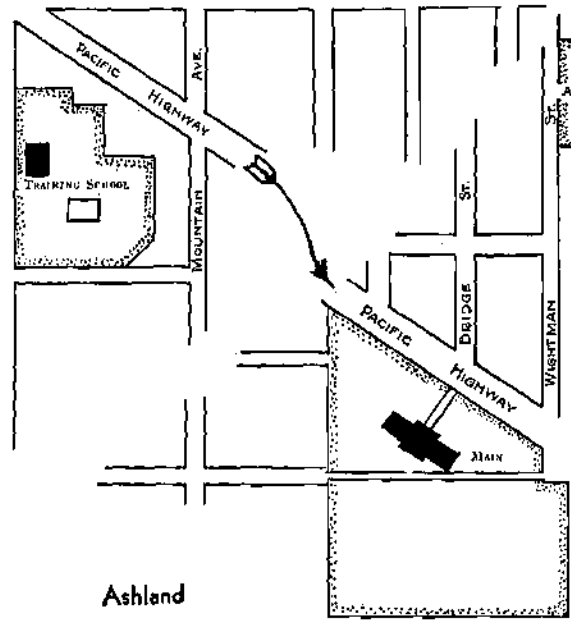
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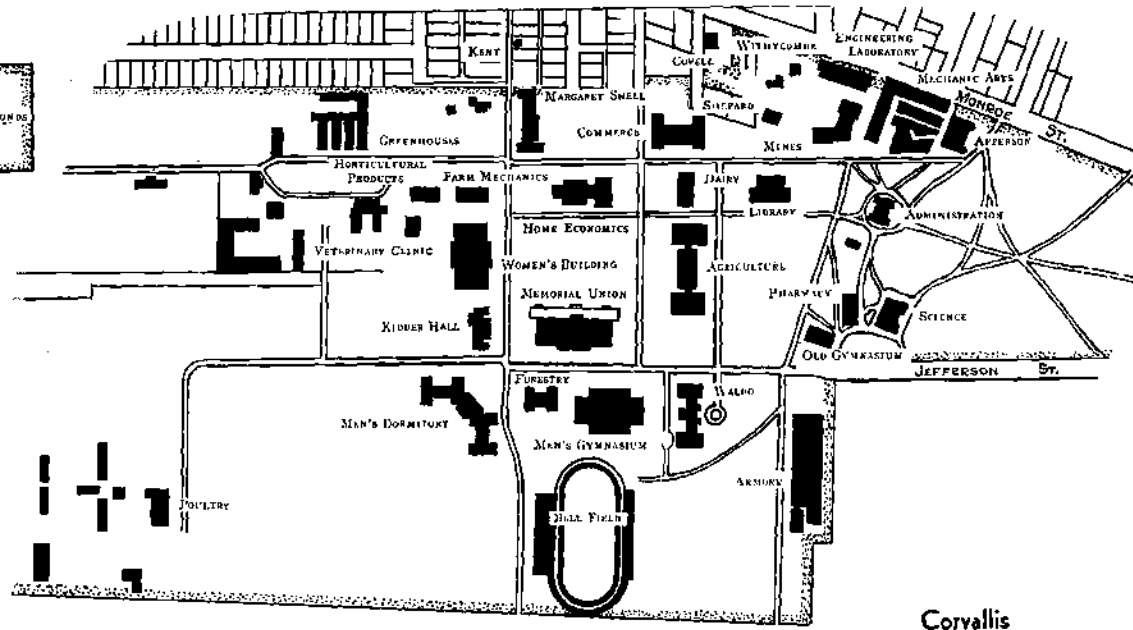
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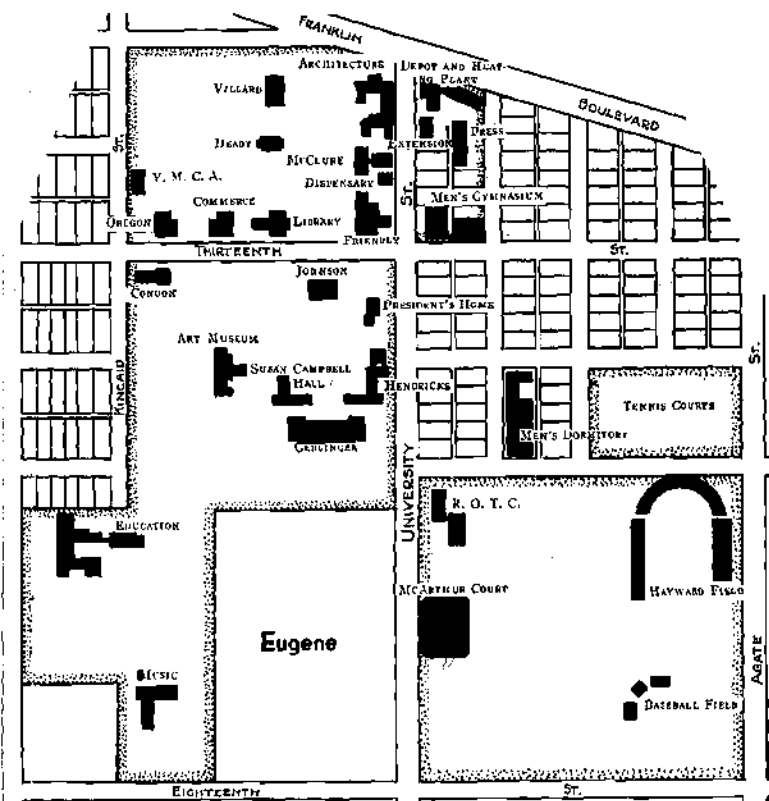




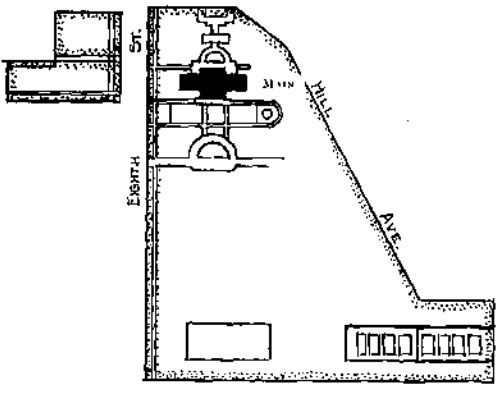
Ashland



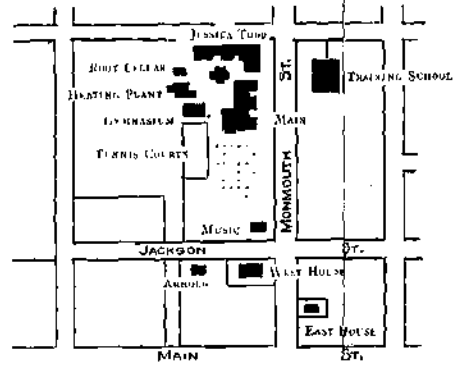
Corvallis



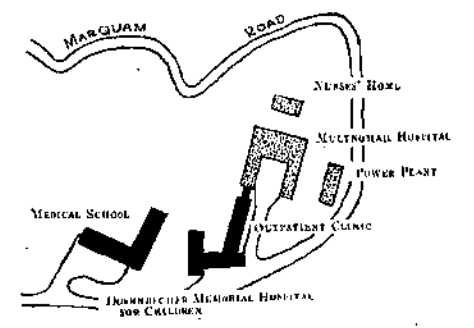
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La Grande



Monmouth

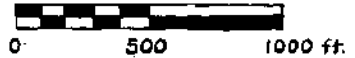


Portland

MAPS OF THE SIX CAMPUSES

Oregon State System of Higher Education

- Ashland: Southern Oregon Normal School
- Corvallis: Oregon State Agricultural College
- Eugene: University of Oregon
- La Grande: Eastern Oregon Normal School
- Monmouth: Oregon Normal School
- Portland: University of Oregon Medical School



The Oregon State System of Higher Education

With units at Ashland (Southern Oregon Normal School), Corvallis (Oregon State Agricultural College), Eugene (University of Oregon), La Grande (Eastern Oregon Normal School), Monmouth (Oregon Normal School), and Portland (University of Oregon Medical School), offers the following opportunities—

Liberal Arts and Sciences

LOWER DIVISION

At both **CORVALLIS** and **EUGENE**: Freshman and sophomore work in Liberal Arts and Sciences is offered on essentially the same basis at both Eugene and Corvallis, under the Dean and Director of Lower Division. The object is to provide the broad foundations of a general education, such as is needed by men and women regardless of the careers they may follow. These early studies serve also as preparation for upper division, professional, or technical curricula in the junior, senior, and graduate years. Students satisfactorily completing work of the Lower Division receive the junior certificate. An entering student who has not yet determined on his life career, or who plans to major in arts and letters, science, or social science, may thus register on either campus and by successfully completing two years of study may prepare himself for upper division curricula at either Eugene or Corvallis. All students are responsible for the fulfillment of group requirements in the Lower Division. The group subjects, offered on both campuses on essentially the same basis, comprise: (1) Biological Science, (2) Humanities, (3) Physical Science, (4) Social Science.

ARTS AND LETTERS

At **EUGENE**: B.A., M.A., Ph.D. degrees. Major curricula in English Language and Literature, German, Greek, Latin, Romance Languages (French, Spanish, Italian, Portuguese).

At **CORVALLIS**: Lower division and service courses.

SCIENCE

At **CORVALLIS**: B.A., B.S., M.A., M.S., Ph.D. degrees. Major curricula in Bacteriology, Botany, Chemistry, Entomology, Geology, Mathematics, Physics, and Zoology.

At **EUGENE**: Lower division and service courses.

SOCIAL SCIENCE

At **EUGENE**: B.A., B.S., M.A., M.S., Ph.D. degrees. Major curricula in Economics, Geography, History, Philosophy, Political Science, Psychology, and Sociology.

At **CORVALLIS**: Lower division and service courses.

Professional and Technical Schools

AGRICULTURE

At **CORVALLIS**: B.S., M.S., Ph.D. degrees. Major curricula in General and Specialized Agriculture including Animal Sciences (Animal, Dairy, and Poultry Husbandry), Farm Management and Agricultural Economics, Plant and Soil Sciences (Farm Crops, Horticulture, Landscape Horticulture, Pomology, Vegetable Crops, and Soils); Agricultural Education; Agricultural Engineering; Horticultural Products; Agricultural Technology; Sciences Basic to Agriculture.

BUSINESS ADMINISTRATION

At **EUGENE**: B.B.A., B.A., B.S., M.B.A. degrees. Major curricula in Accounting, Advertising, Finance, Foreign Trade, General Business, Industrial Management and Personnel Management, Labor Management; Business Administration Education; combination curriculum in Business Administration and Law.

At **CORVALLIS**: Lower division and service courses. Secretarial Training: two-year certificate; minor applicable as elective toward a degree in a school of the student's choice on either campus.

EDUCATION

See Preparation for Teaching, High School Teacher Training.

ENGINEERING AND MECHANIC ARTS

At **CORVALLIS**: B.S., M.S. degrees. Major curricula in Chemical Engineering and Industrial Chemistry, Civil Engineering (General curriculum, Highway option), Electrical Engineering (Power and Communications options), Mechanical Engineering (General curriculum, Aeronautical option), Industrial Arts Education, Industrial Shop Administration. Major curriculum in Structural Design in Architecture, a joint curriculum with Fine Arts.

FINE ARTS

At **EUGENE**: B.A., B.S., B.M., B.Arch., M.Arch., M.F.A. degrees. Major curricula in Architectural Design, Landscape Architecture (with one year at Corvallis), Painting, Sculpture, General Art, Applied Design, Normal Art; Music (Music Appreciation, Theory and Composition, Applied Music). Structural Design in Architecture, a joint curriculum with Engineering.

At **CORVALLIS**: Lower division and service courses in Art, Architecture, and Music.

FORESTRY

At **CORVALLIS**: B.S., M.S. degrees. Major curricula in Logging Engineering, Lumber Manufacture, and Technical Forestry.

HOME ECONOMICS

At **CORVALLIS**: B.S., M.S. degrees. Major curricula in Clothing, Textiles, and Related Arts; Foods and Nutrition; Household Administration; Institution Economics; and Home Economics Education.

At **EUGENE**: Lower division and service courses in Clothing, Foods, and Home Management.

JOURNALISM

At **EUGENE**: B.A., B.S., M.A., M.S. degrees. Major curricula in journalism including advertising and publishing.

At **CORVALLIS**: Lower division and service courses for the technical schools.

LAW

At **EUGENE**: LL.B., J.D. degrees. A major curriculum of three years above lower division (five years in all) leading to LL.B. degree; a major curriculum of three years following three-year general curriculum (six years in all) leading to B.A. and J.D. degrees; combined curricula in Business Administration and Law or Social Science and Law comprising six years, leading to J.D. degree.

MEDICINE

At **PORTLAND**: M.D., M.A., M.S., Ph.D. degrees. A four-year professional curriculum following completion of a three-year premedical curriculum; a three-year professional curriculum in combination with a regular four-year undergraduate curriculum. Approved work for admission to the Medical School at both Eugene and Corvallis. Nursing Education: B.A., B.S. degrees. Combination professional nursing and undergraduate curriculum; Public health nursing certificate—one year additional; Junior Certificate—three-year professional nursing curriculum.

PHARMACY

At **CORVALLIS**: B.S., M.S. degrees. A major curriculum in Pharmacy, including Pharmaceutical Analysis, Pharmacology, and Pharmacognosy; preparation for certification as registered pharmacist.

PHYSICAL EDUCATION

At **EUGENE**: B.S., B.A., M.S., M.A. degrees. A four-year professional curriculum preparing specialists. Major and minor norms for part-time teachers of physical education and coaches.

At **CORVALLIS**: Lower division and service courses. Minor norm for part-time teachers of physical education and coaches.

Preparation for Teaching

The preparation of teachers for high schools is provided on a parallel basis for assigned specialties at Corvallis and Eugene under the control of the Director of High School Teacher Training at Eugene. The preparation of teachers for the elementary schools is provided on substantially the same basis at Ashland, Monmouth, and La Grande under the control of the Director of Elementary Teacher Training at Monmouth.

HIGH SCHOOL TEACHER TRAINING

At **EUGENE**: B.A., B.S., M.A., M.Ed., D.Ed., Ph.D. degrees. General Education courses and training for educational administrators. Major curricula preparing for teaching of literature, languages, arts and music, physical education, the social sciences, business administration, and approved combinations of subjects.

At **CORVALLIS**: B.S., M.S. degrees. Major curricula preparing for teaching of biological and physical sciences, mathematics, agriculture, home economics, industrial arts, and approved combinations of subjects; educational and vocational guidance. Secretarial Training, a two-year course leading to a certificate as stated above.

ELEMENTARY TEACHER TRAINING

At **ASHLAND**: Two-year curriculum leading to the State Normal School Diploma, entitling graduates to teach in elementary schools. Junior college work within the limits of the curriculum.

At **LA GRANDE**: Two-year curriculum leading to the State Normal School Diploma, entitling graduates to teach in elementary schools. Junior college work within the limits of the curriculum.

At **MONMOUTH**: Two-year curriculum leading to the State Normal School Diploma, entitling graduates to teach in elementary schools.

