

QUADRUPLE QUARTET: FOR A CHAMBER ORCHESTRA OF 16 PLAYERS

by

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A THESIS

Presented to the School of Music and Dance
and the Graduate School at the University of Oregon
in partial fulfillment of the requirements
for the degree of
Master of Music

December 2014

THESIS APPROVAL PAGE

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Title: Quadruple Quartet: For a Chamber Orchestra of 16 Players

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Degree awarded December 2014

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THESIS ABSTRACT

Diana R. Rosenblum

Master of Music

School of Music and Dance

December 2014

Title: *Quadruple Quartet*: for a Chamber Orchestra of 16 Players

Quadruple Quartet is a four-movement work scored for 16 players, four from each of the four instrumental families of the orchestra (i.e. woodwinds, brass, strings, percussion). This unique instrumentation utilizes a minimal number of musicians to create an orchestral sound, in which the distinct timbres of the orchestra are represented by one player per instrument (with certain individual players taking on conventional doublings, i.e. flute/piccolo). Each movement is self-contained, pursuing its own motivic ends through novel contrapuntal techniques, and is titled according to a salient trait. *I. Contrapunctus* is a fugue, whose expressive freedom lies paradoxically in its rigidity; *II. Collage* generates complexity through an increasing density of cycling layers, variously superimposed; *III. Dovetail* features a medley of widely-voiced tone-clusters arranged in overlapping threads of melody traded in a variety of timbral colors; *IV. Ricochet* makes thematic use of a “rebounding” staccato motive.

CURRICULUM VITAE

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ACKNOWLEDGMENTS

I am indebted to Dr. Robert Kyr for his invaluable musical mentorship over the past four years of study, as well as his advising on this terminal thesis composition. Dr. Kyr has enabled me to tune in to my “inner music” and express myself freely, abandoning doubt, apology and misgiving, in favor of joy, inspiration and spiritual fulfillment. If it had not been for his faith in my musicality as a fledgling composer, I might never have found my “voice” or attained this level of accomplishment. A special thanks to Dr. David Crumb for helping me to elevate my compositional consciousness to a higher level of awareness and intention by instilling in me a sense of craft, structural integrity, motivic integration, and literal-minded constraint. His keen apprehension of truth in music and his aesthetic preference for tightly constructed forms have left an indelible impression on me during these formative years of my development. Thank you to Dr. Loren Kajikawa, who approaches teaching with unparalleled openness and intellectual curiosity, doing academic the service of bringing scholarly attention to neglected areas of musicological study. I am also greatly appreciative that Dr. Ann Tedards is able to serve on my committee. She has provided sage advice and shown kind-hearted concern for both my music and my well-being over the course of this degree. Dr. Kajikawa’s and Dr. Tedard’s enthusiastic reception of my music and insightful feedback at my master’s recital on April 30, 2014 were meaningful and encouraging to me, contributing to my sense of self-assurance in composing this thesis. I am immensely grateful to James Sinclair, for offering his artistry and skill as a conductor to the performance of this piece on November 3, 2014 in New Haven, CT. His willingness to interpret my work (with the sensitive and skilled musicians of his ensemble) has emboldened and liberated me to write what I truly feel and hear, without fear that it may prove too challenging for a sight-reading session. I am honored to have the opportunity to work with an artist of his intellect and caliber in bringing this work to life!

DEDICATION

I am dedicating this work to my brilliant and beautiful fiancé, Dr. Tze-Wen Julia Lin, whom I met here at the University of Oregon in Spring of 2012, as she was completing her DMA from the SOMD in piano performance under Dr. Dean Kramer. I am incredibly lucky to have found a life partner who comprehends and values every nuance of my composition at every stage of its development.

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INSTRUMENTATION LIST

WOODWIND QUARTET:

Flute (dbl. Piccolo)
Oboe
B♭ Clarinet
Bassoon

BRASS QUARTET:

F Horn
B♭ Trumpet
Trombone
Tuba

PERCUSSION QUARTET:

*Shared instruments are marked with asterisk. Multi-Percussion 1 & 2 are on inverted staves in *I. Contrapunctus* (MP2 on upper staff, MP1 below), to preserve orchestral score order (timpani above vibraphone).

Multi-Percussion 1 {marimba, glockenspiel, vibraphone, *3 toms (low, low-mid, mid), hi-hat, *suspended cymbal, tamtam, claves, taxi horn (pitched B♭)}

Multi-Percussion 2 {3 timpani, snare drum, *3 toms (low, low-mid, mid), *suspended cymbal, triangle, chime tree, bongos}
Harp
Piano

STRING QUARTET:

Violin
Viola
Violoncello
Contrabass

C Score
(4'30")

Quadruple Quartet

I. Contrapunctus

Diana Rosenblum

Whimsical yet strict
(♩ = 88)

The score is a full orchestral arrangement for a quadruple quartet. It features 14 staves, each representing a different instrument. The instruments are: Flute, Oboe, B. Clarinet, Bassoon, F Horn, B. Trumpet, Trombone, Tuba, Timpani, Vibraphone, Harp, Piano, Violin, Viola, Violoncello, and Contrabass. The music is written in 4/8 time and includes various dynamic markings such as *f*, *mf*, *mp*, *p*, *sfz*, and *ff*. Performance instructions like *pizz.* (pizzicato), *arco* (arco), and *molto* are also present. The score is divided into measures by vertical bar lines, and the overall structure is complex and rhythmic.

Quadruple Quartet: I. Contrapunctus

A **B**

13

Fl. *ff* *>* *mp* *mf* *sub. f* *p* *Piccolo*

Ob. *mf* *mp* *sub. f* *mp*

B♭ Cl. *mf* *mp* *sub. f* *mp*

Bsn. *p* *mf* *mp* *mf* *p*

F Hn. *molto p* *mf* *mp* *mf* *p*

B♭ Trpt. *mf* *p*

Tbn. *p* *f* *p*

Tuba *f* *molto p* *mp*

Sus. Cymb. *sfz* *Timpani p*

Vib. *f* *mp* *mf secco* *mp*

Hp. *f*

Pno. *mp* *f*

Vln. *ff* *>* *mp* *mf* *sub. f* *p* *mf legato* *f* *p*

Vla. *molto p* *pizz.* *mp* *sub. f* *mf* *arco* *legato* *p* *mf* *f* *p*

Vc. *ff* *molto p* *mp* *f* *p* *pizz.* *mf*

Cb. *ff* *molto p* *mp* *pizz.* *f* *mf* *mp*

Quadruple Quartet: I. Contrapunctus

29

The musical score for page 29 of "Quadruple Quartet: I. Contrapunctus" is a complex orchestral arrangement. It features 17 staves, each representing a different instrument or section. The instruments listed on the left are Piccolo, Oboe, Bass Clarinet, Bassoon, Flute, French Horn, Trumpet, Trombone, Tuba, Timpani, Vibraphone, Harp, Piano, Violin, Viola, Violoncello, and Contrabass. The score is written in 4/4 time and includes a variety of dynamic markings such as *f*, *mp*, *ff*, *p*, *mf*, and *f secco*. The music is characterized by intricate rhythmic patterns and a high level of technical difficulty. The page number "29" is located at the top left of the score.

Quadruple Quartet: I. Contrapunctus

C

41

Fl. *mf* *f* *mp*

Ob. *mp*

B. Cl.

Bsn. *mf* *f*

F. Hn. *mf* *f* *mp* *f* *mf*

B. Tpt.

Tbn. *mf* *sfz* *sfz* *sfz* *f* *mf*

Tuba *mf* *sfz* *mf* *sfz* *f* *sfz*

Timp. *f* *mp* *sfz* *mf* *mp* *mf* *mp* *mf* *mp* *sfz* *f* *mp*

Cym. *sfz* (to Toms) Toms *f* *sfz* *mf* *sfz* *f* *sfz* *sfz* *mf* *mp* *sfz* *mf* *sfz* *choke* *mp*

Hp. *f* *sfz* *sub* *mf*

Pno. *mf* *f* *mp*

Vln. *mf* *f* *mp*

Vla. *mp* *mf* *f* *mp*

Vc. *mp* *f* *mp*

Cb. *mf* *sfz*

Quadruple Quartet: I. Contrapunctus

D

poco rit.-----

53

FL. Oboe Clarinet Bassoon Horns Trumpets Trombones Tuba Timpani Tom Tom Cymbals Harp Piano Violins Viola Cello Double Bass

Quadruple Quartet: I. Contrapunctus

(♩ = 80)

E

F

63

Fl. *f* *ff* *mf* *p* *mf* *p*

Ob. *f* *ff* *mf* *p* *mp* *mf* *p*

B. Cl. *ff* *f* *mf* *p* *mp* *mf* *p*

Bsn. *f* *ff* *mf* *p*

F. Ha. *mf*

B. Tpt. *f*

Tbn. *f*

Tuba

Timp.

Vib. *Vibes* *ff* *mp* *(mp)* *f* *sub.*

Hp. *ff* *mf*

Pno. *f* *ff*

Vln. *f* *mp legato* *mf* *p*

Vla. *f* *ff* *mf* *p* *mf* *mp*

Vc. *ff* *f* *mp legato* *mf* *pizz.* *mf*

Cb.

Quadruple Quartet: I. Contrapunctus

G

76

Fl. *mf* *mp* *f* *mp* *f*

Ob. *mf* *mp* *mf* *f* *mf* *mp* *f* *mf*

B. Cl. *mf* *mp* *f* *mf* *(mf)* *f* *mf* *mp* *mp* *mf* *mp* *mf*

Bsn. *f* *mf* *mp* *f* *p* *mf* *f* *mf* *f* *mp* *mf* *mp* *mf*

F. Hn. *mf* *mp* *f* *mp* *f*

B. Tpt. *mf* *f* *mp* *mf* *mp* *mf* *mp* *mf* *f*

Tbn. *f* *mp* *f* *mp* *f* *mp* *p* *mp*

Tuba *mf* *f* *mf* *f* *mp*

Timp.

Vib. *f* *mf* *f*

Hp. *f* *ff*

Pno. *f* *ff* *mf* *f*

Vln. *f* *mp* *mf* *f* *mp* *mf* *mp* *f* *mf*

Vla. *f* *mp* *f* *mp* *mf* *mp* *mp* *mp* *mf* *mp*

Vc. *arco* *f* *mp* *f* *mp* *mf* *f* *mp* *f* *mp*

Cb. *ff* *mf* *f* *mp* *pizz.* *mf*

Quadruple Quartet: I. Contrapunctus

91

H

I

Fl. *mf* *p*

Ob. *mf* *p*

B. Cl. *mp* *p*

Bsn. *mf* *f*

F. Hn. *mp* *mf* *mp*

B. Tpt. *mp* *mf* *mp*

Tbn. *mf* *f* *mp*

Tuba *mp* *mf* *p*

Vib. *f* *mf* *p*

Harp *f* *sfz*

Piano *mf* *f*

Vln. *f* *mp* *mf* *legato* *p shimmering* *V (stagger bow changes)*

Vla. *mf* *legato* *p shimmering* *V (stagger bow changes)*

Vcl. *mf* *legato* *p shimmering*

Cb. *arco* *mf* *f* *mp* *p*

C Score
(5'15")

Quadruple Quartet II. Collage

Ardent
 $\text{♩} = 40^\circ$

This page contains the C score for the second movement, 'Collage', of the Quadruple Quartet. The score is written for a full orchestra and includes the following instruments:

- Flute
- Oboe
- B♭ Clarinet
- Bassoon
- F Horn
- B♭ Trumpet
- Trombone
- Tuba
- Claves
- Snare Drum
- Harp
- Piano
- Violin
- Viola
- Violoncello
- Contrabass

The score features a 5/4 time signature with a tempo of 40 degrees. The woodwind and string parts have various dynamics such as *mf*, *f*, *mp*, *p*, and *ff*. The percussion includes claves and snare drum with dynamic markings. The string parts include staccato bow changes and dynamic markings. The piano part has a specific rhythm. The harp part has a specific rhythm. The score is divided into four measures by vertical bar lines. The first three measures are in 5/4 time, and the fourth measure is in 3/4 time. The score is marked with 'Arden' and a tempo of 40 degrees. The woodwind and string parts have various dynamics such as *mf*, *f*, *mp*, *p*, and *ff*. The percussion includes claves and snare drum with dynamic markings. The string parts include staccato bow changes and dynamic markings. The piano part has a specific rhythm. The harp part has a specific rhythm. The score is divided into four measures by vertical bar lines. The first three measures are in 5/4 time, and the fourth measure is in 3/4 time.

* Conductor may subdivide beat in quarters, to accommodate rhythms in percussion (beamed in quarters for clarity).

Quadruple Quartet: II. Collage

A

9

Fl.

Ob.

B♭ Cl.

Bsn.

F Hn.

B. Tpt.

Tbn.

Tuba

T.T.

S.Dr.

Hp.

Pno.

Vln.

Vla.

Vc.

Cb.

fp *f* *p*

fp *ff* *mp* *f*

fp *f* *mp* *f* *sub.* *f* *p*

fp *mf*

fp *mf*

f

mf *f* *p*

pp *mp* *p* *mf* *p*

pp *mp* *p* *mf* *p*

pp *mp* *p* *mf* *p*

pp *mp* *p* *mf* *p*

Tam-tam (To Glock)

(To Chime Tree)

Quadruple Quartet: II. Collage

B

16

Fl. *fp* *f* *mp* *mf* *f* *mp* *f* *ff* *p* *mp* *f* *mp* *mf*

Ob. *fp* *f* *mp* *f* *p* *mp* *f* *mp* *mf*

B. Cl. *mf* *mp* *mf* *(mf)* *p* *mf* *ff* *f* *p*

Ban. *p* *mf* *mp* *p* *mf* *mp*

F. Hn. *mf* *p* *mf* *mp* *p* *mf* *mp*

B. Tpt. *fp* *f* *mp* *mf* *(mf)* *p* *f* *ff* *f* *p*

Tbn. *(mp)* *p* *p* *mf* *mp*

Tuba *mf* *p* *p* *mf* *mp*

Glk. *f*

CT

Hp.

Pno.

Vln. *f* *mp* *mf* *f* *pp* *mf*

Vla. *f* *mp* *mf* *f* *pp* *mf*

Vc. *f* *mp* *mf* *f* *pp* *mf*

Cb. *f* *mp* *mf* *f* *pp* *mf*

III
IV

II

V

V

V

V

Quadruple Quartet: II. Collage

22

Fl. *p* *fp* *ff* *mp* *f* *p* *fp* *ff* *mp*

Ob. *p* *fp* *ff* *p* *fp* *ff* *mp*

B♭ Cl. *fp* *f* *mp* *molto* *ff* *p* *fp* *mf* *mp* *molto* *f* *mp*

Bsn. *mp* *f* *p* *fp* *f*

F Hn. *mp* *f* *p* *fp* *f* *mp*

B♭ Tpt. *fp* *f* *mp* *f* *mp* *sub.* *f* *p* *fp* *fp* *f* *mp* *f* *mp*

Tbn. *4/4* *6/4* *5/4*

Tuba *4/4* *6/4* *5/4*

Glk. *f* *mf* *mp* *sfz*

CT *f* *mf* *f*

Hp.

Pno.

Vln. *p* *f* *p* *ff* *mp* *f*

Vla. *p* *f* *p* *ff* *mp* *f*

Vc. *p* *f* *p* *ff* *mp* *f*

Cb. *p* *f* *p* *ff* *mp* *f*

Quadruple Quartet: II. Collage

C **30** (To Piccolo)

D Piccolo

Fl. (To Piccolo)

Ob.

B♭ Cl.

Bsn.

F Hn.

B. Tpt.

Tbn.

Tuba

Glk.

CT (To Bongos)

Hp.

Pno.

Vln.

Vla.

Vc.

Cb.

Quadruple Quartet: II. Collage

38

Picc. *mf* *p* *f* *mf* *mp* *mf* *mp* *mf* *p*

Ob.

B♭ Cl.

Bsn.

F Hn.

B♭ Tpt.

Tbn.

Tuba

Glk.

CT

Hp. *f* *f* *ff* *mf* *mp* *f* *f* *mf* *ff* *f* *mf*

Pno. *mp* *sub. f* *mf* *f* *mf* *mp*

Vln. *mf* *(mf)* *f* *f* *sub. mf* *f*

Vla. *mf* *(mf)* *f* *mf* *f* *f*

Vc. *mf* *(mf)* *(mf)* *f* *mf* *f* *mf*

Cb. *mf* *mf* *mf* *mp* *f*

Quadruple Quartet: II. Collage

E

45

Picc.

Ob.

B♭ Cl.

Bsn.

F Hn.

B♭ Tpt.

Tbn.

Tuba

Glk.

Bgo. Dr.

Hp.

Pno.

Vln.

Vla.

Vc.

Cb.

mf

mf

Bongos

mf

(mf)

mp

p

f

mp

p

mf

p

mf

mp

f

mf

f

mp

mf

f

mf

p

mf

f

mf

f

Quadruple Quartet: II. Collage

F

50

Picc. *mf* *mp* *f* *mp* *mf* *mp* *mf* *p*

Ob. *mf* *mp* *f* *mp* *f* *mf*

B. Cl. *mp* *p* *mp* *mf* *mp* *mf* *mp*

Bsn. *mp* *p* *mp* *mf* *mp* *mf* *p* *mf*

F. Hn. *mf* *mp* *mf* *mp* *f* *mf*

B. Tpt. *mf* *mp* *mf* *mp* *f* *mp*

Tbn. *mp* *p* *mp* *mf* *mp* *mf*

Tuba

Glk. *mf* *mp* *mf* *f* *mf* *mp* (To Marimba RH)

Bgo. Dr. *f* (To Claves)

Hp. *mf* *f* *ff* *f*

Pno. *mf* *f* *f*

Vin. *f* *f*

Via. *mf* *f* *f*

Vc. *mf* *f* *f*

Cb. *mf* *f* *f*

Quadruple Quartet: II. Collage

55 G

The score is for a 12-piece ensemble. The instruments and their parts are as follows:

- Picc.**: Piccolo, 6/4 time, dynamics: *fp*, *f*, *f*, *mf*, *(mf)*, *f*, *sub. mp*
- Ob.**: Oboe, 6/4 time, dynamics: *fp*, *f*, *fp*, *f*, *f*, *mf*, *(mf)*, *f*, *sub. mp*
- B♭ Cl.**: Bass Clarinet, 6/4 time, dynamics: *mf*, *p*, *mf*, *mp*, *mf*, *mp*, *mf*, *(mf)*, *mp*, *mf*, *mp*
- Bsn.**: Bassoon, 6/4 time, dynamics: *mf*, *p*, *mf*, *f*, *mp*, *mf*, *mp*, *mf*, *(mf)*, *mp*, *mf*, *mp*
- F Ha.**: Flute, 6/4 time, dynamics: *fp*, *f*, *fp*, *f*, *f*, *mf*, *(mf)*, *f*
- B♭ Tpt.**: Trumpet, 6/4 time, dynamics: *fp*, *fp*, *f*, *fp*, *fp*, *f*, *f*, *mf*, *p*
- Tbn.**: Trombone, 6/4 time, dynamics: *mf*, *p*, *mf*, *p*, *mf*, *mp*, *mf*, *mp*, *mf*, *(mf)*, *mp*, *mf*
- Tuba**: Tuba, 6/4 time, dynamics: *mf*, *(mf)*, *mp*, *mf*, *mp*
- Mrb.**: Marimba RH, 6/4 time, dynamics: *f*, *f*, *ff*, *f*, *f*, *mf*
- Bgo. Dr.**: Bongo Drum, 6/4 time, dynamics: *mf*, *f*, *mf*, *sfz*, *sfz*, *f*, *mf*, *f*
- Hp.**: Harp, 6/4 time, dynamics: *mf*, *f*, *mf*, *sfz*, *sfz*, *f*, *mf*, *f*
- Pno.**: Piano, 6/4 time, dynamics: *mf*, *f*, *mf*, *sfz*, *sfz*, *f*, *mf*, *f*
- Vln.**: Violin, 6/4 time, dynamics: *mf*, *f*, *mf*, *sfz*, *sfz*, *f*, *mf*, *f*
- Vla.**: Viola, 6/4 time, dynamics: *mf*, *f*, *mf*, *sfz*, *sfz*, *f*, *mf*, *f*
- Vc.**: Violoncello, 6/4 time, dynamics: *mf*, *f*, *mf*, *sfz*, *sfz*, *f*, *mf*, *f*
- Cb.**: Contrabass, 6/4 time, dynamics: *mf*, *f*, *mf*, *sfz*, *sfz*, *f*, *mf*, *f*

Quadruple Quartet: II. Collage

62 H

Fl. *mp* *f* *p*

Ob. *mp* *f* *p*

Bs. Cl. *mp* *p* *mf* *p* *fp* *f* *mp*

Bsn. *mp* *p* *mf* *p* *fp* *f* *mp*

F. Hn. *mp* *p* *mf* *p*

Bs. Tpt. *mf* *p* *mp* *p* *mf* *p* *mp*

Tbn. *mf* *p* *mp* *p* *mf* *p* *mp*

Tuba *mf* *p* *mp* *p* *mf* *p* *mp*

Clv. *mf* *f* *mp* *f* *f* *mp* *f* *f* *mp* *f*

S. Dr. *mf* *p* *mf* *p* *(p)* *mf* *mp* *p* *mf* *p*

Harp *mp* *ff* *mp* *(mp)* *sfz* *mf* *mp*

Piano

Vln. *sub. mp* *sfz* *mp* *mf* *ffz* *mp* *mf*

Vla. *sub. mp* *sfz* *mp* *mf* *ffz* *mp* *mf*

Vc. *sub. mp* *sfz* *mp* *mf* *ffz* *mp* *mf*

Cb. *sub. mp* *sfz* *f* *mp* *mf* *ffz* *mp* *mf*

Quadruple Quartet: II. Collage

72

1

The score is divided into four systems of staves. The first system includes Flute (Fl.), Oboe (Ob.), Bass Clarinet (B♭ Cl.), Bassoon (Bsn.), French Horn (F Hn.), Baritone Trombone (B♭ Tpt.), Tenor Trombone (Tbn.), and Tuba. The second system includes Clarinet (Clv.), Snare Drum (S. Dr.), and Piano (Pno.). The third system includes Violin (Vin.), Viola (Vla.), Violoncello (Vc.), and Contrabass (Cb.).

Key features of the score include:

- Tempo and Meter:** The piece is in 6/4 time, which changes to 3/2 time at the beginning of the second system.
- Dynamic Markings:** A wide range of dynamics is used, including *mf*, *mp*, *f*, *pp*, *fp*, *ff*, *p*, *sfz*, and *sub.*
- Performance Instructions:** Specific instructions like "(To Hi-hat)" and "Hi-hat" are present for the percussion parts.
- Rehearsal Markers:** A box containing the number "1" is placed above the first measure of the second system.

Quadruple Quartet: II. Collage

79

Fl. *fp* *ff* *p*

Ob. *fp* *ff* *p*

B♭ Cl. *fp* *f* *mf* *ff* *p*

Bsn. *fp* *ff* *p*

F. Hn. *fp* *ff* *p*

B♭ Tpt. *fp* *fp* *ff* *p*

Tbn. *fp* *ff* *mf*

Tuba

(To Tamtam)

Tamtam *mf* *sfz* L.V.

S. Dr. *mp* *mf* *p* *mf* *mp* *sub. f* *p* *f* *mp* *sub. f* *p*

Hp.

Pno.

Vln. arco *f* *p* *mf* *ff* *mp* *f* *p*

Vla. arco *f* *p* *mf* *ff* *mp* *f* *p*

Vc. arco *f* *p* *ff* *mp* *f* *p*

Cb. arco *f* *p* *mf* *ff* *mp* *f* *p*

III. Dovetail

Smoothly overlapping

(♩ = 52)

This musical score is for the piece "III. Dovetail" and is marked "Smoothly overlapping" with a tempo of 52 beats per minute. The score is written for a large ensemble of instruments. The instruments listed on the left are: Flute, Oboe, B♭ Clarinet, Bassoon, F Horn, B♭ Trumpet, Trombone, Tuba, Vibraphone, Triangle, Harp, Piano, Violin, Viola, Violoncello, and Contrabass. The score is divided into measures, with time signatures changing from 4/2 to 6/8 and back to 4/2. Dynamic markings such as *mp*, *mf*, *f*, and *p* are used throughout to indicate volume. The score includes various musical notations such as slurs, accents, and articulation marks. The overall structure is complex, with many overlapping lines and frequent changes in time signature.

Quadruple Quartet: III. Dovetail

14 A *rit.* $\text{♩} = 96$

Fl. *mp* *mf* *p* *mf* *f* *p* (3+2) *mp* *p*

Ob. *mf* *p* *f* *f* *p* (3+2) *p* (2+3) *p*

B♭ Cl. *mf* *p* *f* *mf* *f* *p* (3+2) *mp* *p*

Bsn. *mp* *mf* *p* *f* *mf* *f* *p* (3+2) *mp* *p*

F. Hn. *mf* *p* *f* *mf* *f* *p* (3+2) *p* (2+3) *p*

B♭ Tpt. *mf* *p* *f* *mf* *f* *p* (3+2) *mp* *p*

Tbn. *mf* *p* *f* *mf* *f* *p* (3+2) *mp* *p*

Tuba *p* (3+2) *mp* (2+3) *mp*

Vib. *mf* *mp* *p* *f* *p* (3+2) *p* (2+3) *p*

Trgl. *f* *ff* *f* *mf* *mp* *f* *mf* *f* *mf*

Harp *f* *mf* *mp* *mf* *mp* *f* *mf* *sfz* *f*

Piano *mf* *f* *mf* *f* *mf* *f* *mf* *mf* *f*

Vln. *p* *f* *mf* *f* (3+2) *f* (2+3) *p*

Vla. *p* *f* *f* *f* *p* (3+2) *mp* *p*

Vcl. *mf* *p* *f* *mf* *f* *p* (3+2) *mp* *p*

Cb. *p* (3+2) *mp* (2+3) *p*

Quadruple Quartet: III. Dovetail

37 C D

The musical score is arranged in a standard orchestral layout. The instruments listed on the left are: Fl. (Flute), Ob. (Oboe), B♭ Cl. (Bass Clarinet), Bsn. (Bassoon), F. Hn. (French Horn), B♭ Tpt. (Euphonium), Tbn. (Trombone), Tuba, Vib. (Vibraphone), Trgl. (Trigon), Hp. (Harp), Pno. (Piano), Vln. (Violin), Vla. (Viola), Vc. (Violoncello), and Cb. (Contrabass). The score is divided into two main sections, C and D, indicated by boxed letters above the staff. Section C begins at measure 37. The time signature changes from 3/4 to 5/4 and then to 2/4. Section D begins at measure 43. The time signature changes from 2/4 to 3/4 and then back to 2/4. The score includes various dynamic markings such as *mp*, *mf*, *f*, *p*, *sub. f*, and *sfz*. There are also articulation symbols like accents and slurs throughout the piece. The bottom of the page features the page number 24.

Quadruple Quartet: III. Dovetail

E

50

Fl.

Ob.

B. Cl.

Bsn.

F. Hn.

B♭ Tpt.

Tbn.

Tuba

Vib.

Trgl.

Harp.

Pno.

Vln.

Vla.

Vcl.

Cb.

p, *f*, *mp*, *mf*

C Score
(4'25")

IV. Ricochet

Crisp
(♩ = 80)

The score is for a piece titled "IV. Ricochet" with a tempo of 80 beats per minute. It is a C major score. The instrumentation includes Flute, Oboe, B♭ Clarinet, Bassoon, F Horn, B♭ Trumpet, Trombone, Tuba, Marimba, Snare Drum, Harp, Piano, Violin, Viola, Violoncello, and Contrabass. The score is divided into measures with time signatures of 4/4, 2/4, and 3/4. Dynamic markings include *mf*, *f*, *mp*, *sfz*, and *f con brio*. Performance instructions include *espress.* and *L.V.* (Larghetto Vivace).

Quadruple Quartet: IV. Ricochet

10 A

Fl. *ff* *mf* *mp* *mf* *mp* *f*

Ob. *mf* *p* *mf* *mp* *mp* *f*

B♭ Cl. *mf* *f* *p* *f* *p* *mf* *p* *mp* *p* *mf* *mp* *p*

Bsn. *mf* *f* *p* *f* *p* *mf* *p* *mp* *p* *mf* *mp* *f* *sub. mp* *f sfz*

F. Hn. *mf* *f* *p* *f* *p* *mf* *p* *mp* *p* *mf* *mp* *f* *mp* *p*

B♭ Tpt. *mf* *f* *p* *f* *p* *mf* *p* *mp* *p* *mp* *p* *mf* *f*

Tbn. *mp* *p* *mp* *p* *f sfz*

Tuba *f sfz*

Mrb. *f sfz* *mp* *mf* *sfz*

S.Dr. *sfz* *p* *mf* *mp* *f* *mf* *p* *sfz*

Harp *ff* *f*

Pno. *f* *mf* *f* *mf* *f*

Vln. *mf* *mp* *mf* *mf* *f* *mf* *f* *mp*

Vla. *mf* *f* *mf* *f* *mp*

Vcl. *pizz.* *mf* *pizz.* *(mf)* *arco* *mp* *sub. sfz*

Cb. *f* *pizz.* *mf* *(mf)*

Quadruple Quartet: IV. Ricochet

17 **B** **C**

Fl. *mf* *p* *mf* *f* *ff* *f* *f sfz* *p* *mp* *p* *mf*

Ob. *mf* *p* *mf* *f* *mf* *f sfz* *p* *mp* *mf*

Bs. Cl. *mf* *f* *mf* *f sfz* *p* *mp* *p*

Bsn. *f sfz* *mf* *f* *mf* *mf* *f sfz* *p* *mp* *p* *mf*

F. Hn. *p*

B. Tpt. *mf* *f* *f sfz* *mf* *p*

Tbn. *f sfz* *f* *mf* *(mf)* *mp* *p*

Tuba *mf* *(mf)* *mp*

Mrb. *ff* *f*

Perc. *ff* *f*

Hp. *ff* *f*

Pno. *ff* *mf* *f* *ff*

Vln. *f* *mf* *f* *mf*

Vla. *f sfz* *f* *f* *f*

Vc. *f sfz* *f* *f* *f*

Cb. *f* *f* *f* *f*

Quadruple Quartet: IV. Ricochet

D

24

Fl. *mp* *mp* *mf* *mp* *mf*

Ob. *mf* *mf* *f* *mp* *mf*

B♭ Cl. *p* *mp* *mp* *mf* *mf*

Bsn. *p* *mf* *mp* *sfz* *mp* *mf*

F. Hn. *p* *mf* *mp* *sfz* *f* *espress.*

B♭ Tpt. *mf* *mp* *mf* *f*

Tbn. *mf* *mp* *sfz* *mp* *mf*

Tuba *mf* *mp* *sfz*

Mrb. *f* *mf* *f* *ff*

S. Dr. *mf* *f*

Hp.

Pno. *mf* *f*

Vln. *mp* *mf* *(mf)* *f*

Vla. *mf* *f*

Vc. *mf* *f*

Cb. *mf* *f*

Quadruple Quartet: IV. Ricochet

E

32

Fl. *mp* *p* *(p)* *mf* *(mf)* *mp* *f sfz*

Ob. *mp* *p* *(p)* *mf* *mp* *f sfz*

B. Cl. *p* *mp* *mf* *mp* *(mp)* *p* *f sfz*

Bsn. *p* *mp* *(mp)* *f sfz*

F. Hn. *mp dolce* *mf* *f* *mf*

B. Tpt. *mp dolce* *mf* *f* *mf*

Tbn. *mp dolce* *mf* *f* *mf*

Tuba *mp dolce* *mf*

Mrb. *mf* *f*

Perc.

Harp *ff* *f*

Pno. *mf* *f*

Vln.

Vla.

Vc.

Cb.

Quadruple Quartet: IV. Ricochet

38

Fl. (To Piccolo)

Ob.

B. Cl.

Bsn.

F. Hn.

B. Tpt.

Tbn.

Tuba

Mrb.

S. Dr.

Hp.

Pno.

Vln.

Vla.

Vc.

Cb.

Quadruple Quartet: IV. Ricochet

F

44

The musical score is for a Quadruple Quartet, specifically the fourth movement, "Ricochet". The page is numbered 32. The score is in 4/4 time and features a variety of instruments. The woodwinds (Flute, Oboe, B♭ Clarinet, Bassoon) and brass (French Horn, B♭ Trumpet, Trombone, Tuba) parts are mostly silent, indicated by a horizontal line with a dash. The percussion includes Maracas and Snare Drum, which are also silent. The Harp and Piano parts have some activity, with the Harp playing a complex rhythmic pattern. The strings (Violin, Viola, Violoncello, Contrabass) are the most active, playing a complex rhythmic pattern with various dynamics and articulations. The dynamics range from *mp* (mezzo-piano) to *sfz* (sforzando). The articulation includes accents, staccato, and pizzicato. The score is written in a standard musical notation with a key signature of one sharp (F#).

Quadruple Quartet: IV. Ricochet

G

48

Fl. *Piccolo* *f* *mf* *ff* *mf* *f sfz*

Ob. *f* *mf* *ff* *mp* *f*

B> Cl. *mf* *f* *mf* *ff* *mp* *mf* *f sfz*

Bsn. *mf* *f* *mf* *f* *mf* *f*

F Hn. *mf* *mf*

B> Tpt. *mf* *f*

Tbn. *mf* *mf*

Tuba *mf* *f*

Mrb. *f*

S.Dr. *f* *mf* *mp* *mf* *p* *f* *f* *mp* *(mp)* *sfz*

Hp. *ff* *mf* *ff* *(mf)* *f*

Pno. *G.P.*

Vln. *arco* *G.P.*

Vla. *arco* *G.P.* *f*

Vc. *arco* *G.P.* *f*

Cb. *arco* *G.P.* *f*

Quadruple Quartet: IV. Ricochet

54

Picc. *f* *mf* *f sfz* *p* *mp* *p* *mf* *f*

Ob. *f* *mf* *f sfz* *f* *mp* *mp* *mf* *p* *mp* *mp* *f*

Bs. Cl. *mf* *f* *mf* *p* *mp* *mp* *mf* *p* *mp* *mp* *f*

Bsn. *mp* *mf* *mp* *mf* *f* *mf* *mf* *p* *mp* *mf* *f*

F. Hn. *mp* *mf* *mp* *mf* *f* *mf* *mp* *f*

B♭ Tpt. *mp* *mf* *mp* *mf* *f* *mp* *mp* *f*

Tbn. *mp* *mf* *mp* *mf* *f* *mf* *f* *mp* *mf* *mp* *mf*

Tuba *mp* *mf* *mp* *mf* *f* *mf* *mp* *mf*

Mrb. *f* *mf*

S. Dr. *f* *mf*

Harp

Pno. *f* *mf* *f* *mf*

Vln. *arco* *f sfz* *mp cantabile* *f* *f* *mf* *mf*

Vla. *mf* *f* *mf* *(mf)* *mp* *f sfz*

Vcl. *mf* *f* *mf* *f* *mp* *mf* *mp* *f sfz*

Cb. *mf* *f* *mf* *f* *mp* *mf* *mp*

Quadruple Quartet: IV. Ricochet

60 H

Picc. *mf* *sfz* *sfz* *mf* *mp* *mf* *(mf)* *mp* *mf* *mp* *mf* *mp*

Ob. *mf* *sfz* *sfz* *mf* *mp* *mf* *(mf)* *mp* *(mp)* *mf*

B. Cl. *mf* *f* *sfz* *sfz* *mp* *mf* *mp* *(mf)* *mp*

Bsn. *mf* *sfz* *sfz* *mp* *mf* *mp* *(mf)* *mp* *mf*

F. Hn. *mf* *sfz* *sfz*

B. Tpt. *mf* *sfz* *sfz* *mf* *mp* *mf* *(mf)* *mp* *mf*

Tbn. *mf* *sfz*

Tuba *mf* *sfz*

Mrb.

S. Dr.

Hp.

Pno.

Vln. *mf* *mp*

Vla. *mf* *sfz* *mp*

Vc. *mf* *sfz* *mp*

Cb. *mf* *sfz*

Quadruple Quartet: IV. Ricochet

1

65

Picc. *p* *mp* *mf* *p* *mf* *mp*

Ob. *p* *mp* *mf* *(mf)* *p* *mf* *mp*

B. Cl. *p* *mp* *p* *mf* *p* *mp*

Bsn. *p* *mf* *mp* *p* *mf* *mp*

F. Hn. *mf* *mp* *p* *mp*

B. Tpt. *p* *mp* *mf* *p* *mp*

Tbn. *mf* *mp*

Tuba *mf* *mp*

Mrb. *mp* *mf* *p* *mp* *mf* *mp*

Toms *f*

Harp *ffz* *ffz* *f*

Pno. *mp* *f*

Vln. *p* *mp* *mf* *(mf)* *p* *mf* *mp*

Vla. *p* *mp* *(mf)* *p* *mf* *mp*

Vc. *p* *mp* *mf* *p* *mp* *mp*

Cb. *pizz.* *p* *mf* *mp* *p* *mf*

Quadruple Quartet: IV. Ricochet

J

71

Picc. *mf* *mp* *f* *mp* *f* *mf* *sub* *mp*

Ob. *mf* *mp* *mf* *mp* *mf* *mf* *mp* *f*

B. Cl. *mf* *mp* *p* *mp* *mp* *f*

Bsn. *p* *f* *mp* *p* *mp* *f* *mp*

F. Hn. *mf* *p* *f* *mp* *f* *mf*

B. Tpt. *mp* *p* *mp* *f* *mf* *mp*

Tbn. *mf* *p* *f* *mp* *f* *mf*

Tuba *mf* *p* *f* *mp* *f* *mf*

Mrb. *mf* *mp* *f* *mf*

Toms (To Timpani)

Harp *sfz* *mf* *sfz*

Pno. *mf* *mp* *mf* *f*

Vln. *mf* *mp* *f* *mp* *f* *sfz* *mp* *f*

Vla. *mf* *mp* *mf* *mp* *mf* *f* *sfz* *p* *mf* *mp*

Vc. *mp* *pizz.* *mp* *mf* *(mf)*

Cb. *p* *f* *mf* *mp*

Quadruple Quartet: IV. Ricochet

K

77

Picc. *f* *p* *mf* *f* *mf* *f* *mf* *mf*

Ob. *mf* *p* *mf* *(mf)* *f sfz* *f* *mf* *mp*

Bs. Cl. *mp* *f* *f sfz* *mf* *f* *sfz* *mf* *mp*

Bsn. *mf* *p* *sfz* *mf* *f* *mf* *mf* *mp*

F. Hn. *mf* *f sfz* *mf* *(mf)*

B♭ Tpt. *f sfz* *f sfz* *mf* *(mf)*

Tbn. *mf* *(mf)* *(mf)*

Tuba *mf* *(mf)* *mp*

Mrb.

Timp.

Hp.

Pno. *f*

Vln. *f* *mp* *mf* *p* *mf* *f sfz* *f* *sfz* *mf* *mp*

Vla. *mp* *f* *mf* *p* *mf* *f sfz* *mf* *sfz* *mf* *mp*

Vc. *f* *mf* *arco* *(mf)* *mf* *mp*

Cb. *f* *mp* *mf* *arco* *(mf)* *(p)* *mp*

Quadruple Quartet: IV. Ricochet

82 L

Score for Quadruple Quartet: IV. Ricochet, page 82. The score is for a 2/4 time signature and features 15 staves: Piccolo, Oboe, Bass Clarinet, Bassoon, Flute, Trumpet, Trombone, Tuba, Maracas, Timpani, Harp, Piano, Violin, Viola, Violoncello, and Contrabass. The music is characterized by dynamic contrasts and complex rhythmic patterns, including a prominent tremolo in the Piccolo and a sharp attack in the Harp.

Quadruple Quartet: IV. Ricochet

87 M

Picc. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Ob. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

B. Cl. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Bsn. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

F. Hn. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

B. Tpt. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Tbn. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Tuba $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Mrb. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Timp. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Hp. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Pno. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Vln. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Vla. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Vc. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Cb. $\frac{2}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{2}{4}$

Quadruple Quartet: IV. Ricochet

N

O

91

Picc. *mf* *ff* *mf* *mf* *mf* *f* *sfz* *sfz*

Ob. *mf* *ff* *mf* *mf* *mf* *f* *sfz* *sfz*

B. Cl. *mf* *ff* *mf* *p* *mf* *f* *sfz* *sfz*

Bsn. *mf* *ff* *mp* *p* *mf* *f* *sfz* *sfz*

F. Hn. *mf* *mf* *mf* *f* *f* *ff* *sfz* *sfz*

B. Tpt. *mf* *p* *mf* *f* *f* *ff* *sfz* *sfz*

Tbn. *mf* *mf* *mf* *f* *f* *ff* *sfz* *sfz*

Tuba *mf* *mf* *mf* *mf* *f* *ff* *sfz* *sfz*

Mrb. *f* *mp* *f* *sfz* *sfz*

Timp. *f* *f* *f* *f* *f* *f* *sfz* *sfz*

Hp. *sfz* *sfz*

Pno. *ff* *f* *mp* *f* *f* *f* *sfz* *sfz*

Vln. *mp* *ff* *mf* *f* *mp* *f* *sfz* *sfz*

Vla. *f* *mf* *mp* *f* *f* *f* *sfz* *sfz*

Vc. *f* *mf* *mp* *f* *f* *f* *sfz* *sfz*

Cb. *mf* *mp* *mf* *f* *f* *f* *sfz* *sfz*

pizz *arco*