

Music for Octet & Computer

for trombone quartet, percussion quartet, and live computer

by Cort Lippe

2012

Commissioned for the 46th Annual Commissioned Composer Project by the University of Wisconsin, River Falls

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3 Tenor Trombones and 1 Bass Trombone

cup and plunger mutes

Percussion Instrument List

Percussion 1

small, medium and large suspended cymbals
small suspended Chinese cymbal
hi-hat
medium bass drum
26" and 29" timpanis
vibraphone

Percussion 2

medium suspended cymbal
medium-sized woodblock
sleigh bells
medium tambourine
small, medium, and large toms
medium bass drum
23" timpani
glockenspiel

Percussion 3

large suspended cymbal
triangle
small-sized woodblock
rattle
small, medium, and large toms
snare drum
32" timpani
glockenspiel

Percussion 4

large bass drum
snare drum
orchestral chimes (tubular bells)
large tam-tam
20" timpani
marimba

Accidentals hold throughout a measure unless cancelled by a natural sign.



Event marker in score for computer events.

Electronics:

Each trombone should be amplified with 1 microphone.

Each percussion set-up should be amplified with 2-4 microphones, depending on availability, etc.

A reverb unit can be used in conjunction with amplification.

A mono mix of the amplified (un-reverberated) ensemble should be sent (via a pre-fader aux send) to the computer input.

The computer, running the software in Max/MSP should be output as a stereo mix.

Sections can be rehearsed separately, and in any order. Events are triggered by the computer operator.

See the Max/MSP computer patch for further instructions.

Cort Lippe

Program Notes

Music for Octet and Computer (2012) was commissioned by the University of Wisconsin, River Falls, for the 46th Annual Commissioned Composer Project, and premiered at River Falls in William Abbott Concert Hall in April of 2012, conducted by Patti Cudd. The piece is for four trombones and four percussionists, and is in four movements. Most creation myths from around the world are very surrealistic, complicated and colorful, with practically hallucinatory or dream-like descriptions involving nature and animals in fascinating juxtapositions. On the contrary, the description of creation in *Genesis* is quite minimal, bare and simple. The first movement of *Octet* is based on a time-stretched reading of the first day of creation from *Genesis (King James Version)*, and makes loose use of speech rhythms and vowel/consonant juxtapositions from the text. The second movement, based on the second day of creation where a division into 3 parts (water divided by the sky) is a trio for vibraphone, marimba and computer. The third movement is scherzo-like with extremes of dynamics and rhythmic irregularities and is based on the third day of creation. And the fourth movement is loosely based on the text of the fourth and fifth days of creation from *Genesis*, drawing harmonic material from the formants of 11 major vowel sounds found in Standard American English (as appearing in the text), as well as speech fricatives and their unique spectral content.

The computer part makes use of spectral processing, including cross synthesis, spectral snapshots, spectral filtering, delay, feedback, ordering, and spatialization, and was developed using Max/MSP. *Music for Octet and Computer* is dedicated to Lena.

Music for Octet and Computer

Cort Lippe

I

1

♩ = 120



for Lena

Score for Percussion 1, 2, 3, and 4, and Trombone 1, 2, 3, and 4.

Percussion 1

(sempré l.v. unless indicated)

large cym.
soft stk.
ppp (l.v.)

large cym.
hard stk.
p

Percussion 2

(sempré l.v. unless indicated)

Percussion 3

(sempré l.v. unless indicated)

32" timp.
med. stk.
p

Percussion 4

bass drum
soft stk.
ppp (sempré l.v. unless indicated)

Trombone 1

Trombone 2

Trombone 3

Bass Trombone 4

2

3

4

A

10 15

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

large cym.
soft stk.

mp *pp* (l.v.)

Pc 2

med. cym.
soft stk.

mp (l.v.) *pp* (l.v.)

Pc 3

triangle

p (l.v.)

Pc 4

ppp (al n.) *ppp*

B

20

Musical score for Percussion 1-4 and Tubas 1-4. The score is for measures 1-8.

Percussion 1-4:

- Pc 1:** small cym. soft stk. (measures 1-2), mp (measure 1), pp (l.v.) (measure 2), ppp (measure 4), p (measure 5), ppp (l.v.) (measure 6).
- Pc 2:** med. cym. soft stk. (measures 1-2), mp (measure 1), pp (l.v.) (measure 2), ppp (measure 4), p (measure 5), ppp (l.v.) (measure 6).
- Pc 3:** large cym. soft stk. (measures 1-2), mp (measure 1), pp (l.v.) (measure 2), ppp (measure 4), p (measure 5), ppp (l.v.) (measure 6).
- Pc 4:** senza decresc. (l.v.) (measure 8).

Tubas 1-4:

- Tb 1-3:** Rest.
- Tb 4:** pp (measure 4), p (measure 5), pp (measure 6).

4

6

7

C

25

30

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

bass drum
med. stk.chinese cym.
hard stk.*pp**p**pp**pp**p**pp**pp**p**pp**ppp**p**mp**ppp**p*

3

*ppp**p*

3

*ppp**fp**ppp*

35 40

Tb 1

Tb 2

Tb 3

Tb 4

bass drum
med. stk.

p

(sempre l.v.)

chinese cym.
med stk.

mp

p

(pedal)

Pc 1

bass drum
med. stk.

p

(sempre l.v.)

med. cym.
med. stk.

mp

Pc 2

32" timp.
soft stk.

pp *slow gliss*

Pc 3

pp (*mp*)

ritardando trem...

ritardando trem...

Pc 4

E

12

[illegible]

F

50 13 14 55 15

Tb 1

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

Tb 2

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

Tb 3

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

Tb 4

mp *f* *p* *mf*

plunger

Pc 1

large cym.
hard stk. *mp* *f* *f*

small cym.
soft stk. *mp* *f*

small cym.
med. stk. *f*

Pc 2

23" timp.
med. stk. *p* *mp* *f* *f* *mf*

med. cym.
soft stk. *mp* *f*

med. cym.
med. stk. *f*

Pc 3

32" timp.
med. stk. *p* *mp* *f* *f* *mf*

large cym.
soft stk. *mp* *f*

Pc 4

bass drum
med. stk. *fp* *accelerando trem...* *ritardando trem...* *f* *mf*

G

Tb 1
mf *cresc...* *f* *ff* *tr*

Tb 2
mf *cresc...* *f* *ff* *tr*

Tb 3
mf *cresc...* *f* *ff* *tr*

Tb 4
mf *cresc...* *f* *ff* *tr*

small cym.
med. stk.

plunger simile

(pedal)

small cym.
med. stk.

Pc 1
mf *ff*

med. cym.
med. stk.

bass drum
med. stk.

med. cym.
med. stk.

Pc 2
mf *f* *ff*

large cym.
med. stk.

bass drum
med. stk.

large cym.
med. stk.

Pc 3
mf *f* *ff*

large tam
med. stk.

Pc 4
ff

Score for Percussion and Tuba parts, starting at measure 75.

Tuba (Tb 1-4): Four staves in bass clef. Dynamics range from *p* (piano) to *f* (forte). Measure 75 is marked with a *p* dynamic. Measure 80 is marked with an *f* dynamic. The parts feature complex rhythmic patterns, including triplets and sixteenth notes.

Percussion (Pc 1-4): Four staves in treble and bass clefs. Dynamics range from *mp* (mezzo-piano) to *f* (forte).

- Pc 1:** Includes "small cym. hard stk." and "chinese cym. hard stk." parts. Dynamics include *mp* and *f*.
- Pc 2:** Includes "23" timp. med. stk." and "sleigh bells" parts. Dynamics include *mp* and *f*.
- Pc 3:** Includes "32" timp. med. stk." and "large cym. med. stk." parts. Dynamics include *mp* and *f*.
- Pc 4:** Includes "bass drum med. stk." and "snare drum hard stk." parts. Dynamics include *fp* (fortissimo), *pp* (pianissimo), and *f*.

Performance markings include *accelerando trem...* and *ritardando trem...* across the bottom percussion staves.

Score for Percussion and Tuba parts, measures 19-20.

Tuba (Tb 1-4): Measures 19-20. Dynamics range from *f* to *pp*. Measure 20 includes a rehearsal mark at measure 85.

Percussion (Pc 1-4): Measures 19-20. Includes specific instructions for timpani and bass drum.

Measure 19:

- Tb 1: *f* to *pp*
- Tb 2: *f* to *pp*
- Tb 3: *f* to *pp*
- Tb 4: *f* to *pp*
- Pc 1: *p*
- Pc 2: *p*
- Pc 3: *p*
- Pc 4: *p*

Measure 20:

- Tb 1: *p* to *mf*
- Tb 2: *p* to *mf*
- Tb 3: *p* to *mf*
- Tb 4: *p* to *mf*
- Pc 1: 29" timp. hard stk. *f*
- Pc 2: 23" timp. hard stk. *f*
- Pc 3: 32" timp. hard stk. *f*
- Pc 4: bass drum hard stk. *f*

95

L

100

Tb 1

mp *f* *ff*

Tb 2

mp *f* *p* *pp* *portamento-like gliss.* *pp*

Tb 3

mp *f* *ff* *pp* *portamento-like gliss.*

Tb 4

mp *f* *mp* *p* *pp*

Pc 1

29" timp.
hard stk. *f* 26" & 29" timp.

Pc 2

bass drum
soft stk. *mf* 3 23" timp.
hard stk. *f* 3

Pc 3

ritardando trem... *mp* *slow gliss* *p*

Pc 4

bass drum
hard stk. *mf* bass drum
soft stk. *ppp* *mp* *p* *mf* *f* 3

M

105 (breathe as necessary) *portamento-like gliss.*

110

Tb 1 (breathe as necessary) *mp* *pp* *mp*

Tb 2 (breathe as necessary) *mp* *pp*

Tb 3 (breathe as necessary) *mp* *p*

Tb 4 *mp* *pp* *mp*

Pc 1 *f* *small cym. bowed*

Pc 2 *f* *med. cym. bowed* *med. cym. hard stk.* *med. cym. bowed*

Pc 3 *f* *large cym. bowed*

Pc 4 *f* *20" timp. hard stk.* *large tam metal scraper* *chimes med. stk.* *large tam med. stk.*

N

115 120

Tb 1 *p* *mf* *p*

Tb 2 *p* *mf* *p* *mp*

Tb 3 *mf* *p* *mf* *p* *mp*

Tb 4 *p* *mf* *p* *mp*

small cym. hard stk. *mf*

5 *mf*

med. cym. hard stk.

3 *mf*

large cym. hard stick *mf*

3 *mf*

large tam metal scraper *mf*

large tam med. stick *mp*

mf *mp*

Detailed description of the musical score: The score is for a percussion section labeled 'N'. It covers measures 115 to 120.
 - **Tubas (Tb 1-4):** Tb 1 and 2 play sustained notes with dynamics *p*, *mf*, and *p*. Tb 3 and 4 have more complex rhythmic patterns with dynamics *mf*, *p*, *mf*, *p*, and *mp*.
 - **Percussion (Pc 1-4):**
 - Pc 1: Plays a 5-measure cymbal pattern with dynamics *mf*.
 - Pc 2: Plays a 3-measure cymbal pattern with dynamics *mf*.
 - Pc 3: Plays a 3-measure cymbal pattern with dynamics *mf*.
 - Pc 4: Plays a 3-measure cymbal pattern with dynamics *mf*.
 - **Snare Drum:** Plays a 3-measure pattern with dynamics *mf*.
 - **Other Percussion:** Includes 'small cym. hard stk.', 'med. cym. hard stk.', 'large cym. hard stick', 'large tam metal scraper', and 'large tam med. stick'.

Tb 1

Tb 2

Tb 3

Tb 4

(rapid, small gliss)

(rapid, small gliss)

(rapid, small gliss)

(rapid, small gliss)

f

f

f

f

125

mp

mp

mp

Pc 1

Pc 2

Pc 3

Pc 4

vibes hard stk.

sleigh bells

triangle

bass drum med. stk.

(motor off)

f

pp

p

mp

f

pp

p

pp

pp

p

f

20" timp. hard stk.

f

Q 135

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

140

chinese cym.
hard stk.

2 stks.

sleigh bells

tambourine

triangle

large tam
hard stk.

bass drum
hard stk.

large tam
hard stk.

R

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

snare

145

small, med., large toms, hard stk.

f

3

5

6

[illegible]

T
155

160

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

(pedal)

mp

chinese cym. hard stk.

mf

soft stk.

p

ppp

bass drum
hard stk.

mf

p

ppp

large cym.
hard stk.

(on bell)

mp

(on bell)

pp

marimba
soft stk.

mp

ppp

II


♩ = 120

4

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

vibraphone

*mf**mp*

marimba

*f**ff**f**mf*

2

Music score for Percussion 1 (Pc 1) and Percussion 4 (Pc 4).

Pc 1: The staff shows a melodic line starting with a *mp* (mezzo-piano) dynamic, followed by a crescendo to *ff* (fortissimo) and then *f* (forte). The notation includes eighth and sixteenth notes, some with accents, and a final triplet.

Pc 4: The staff is mostly silent, with a final measure containing a triplet of eighth notes marked *f* (forte).

4

Music score for Percussion 1 (Pc 1) and Percussion 4 (Pc 4), starting at measure 9.

Pc 1: The staff begins with a *tr* (trill) on a whole note, followed by a melodic line marked *mp* (mezzo-piano). The line includes eighth and sixteenth notes, some with accents, and a final triplet marked *f* (forte).

Pc 4: The staff shows a melodic line starting with a triplet of eighth notes marked *mp* (mezzo-piano). The line includes eighth and sixteenth notes, some with accents, and a final triplet marked *f* (forte).

14 15

Pc 1

f *f* *mp*

Pc 4

f *mp* *f* *mp* *f* *f* *f* *mp* *f* *mp* *f* *mp* *mp*



20

Pc 1

f *mf* *mp*

Pc 4

f *mf* *mp*

6

25

$$f$$
 f

7

30

mf

 f
$$\rhd mf$$
 f

5

35

Pc 1

Pc 4

mp *mf* *f*

Measures 35-39. Pc 1 (top staff) has rests in measures 35-37, then plays eighth-note triplets in 38 and 39. Pc 4 (bottom staff) plays continuous eighth-note patterns with triplets and quintuplets. Dynamics range from *mp* to *f*.



40

Pc 1

Pc 4

ff *f* *mf*

Measures 40-44. Pc 1 (top staff) plays eighth-note triplets in 40, quintuplets in 41-43, and eighth notes in 44. Pc 4 (bottom staff) plays continuous eighth-note patterns with quintuplets and triplets. Dynamics range from *ff* to *mf*.

45

Pc 1

accel...

ff

3

Detailed description: This is the musical notation for Percussion 1. It consists of five measures. The first measure has a treble clef and a key signature of one sharp (F#). The notation includes eighth and sixteenth notes with accents. The second measure continues the rhythmic pattern. The third measure features a crescendo hairpin leading to a fortissimo (ff) dynamic. The fourth measure has a fortissimo (ff) dynamic. The fifth measure ends with a triplet of eighth notes and a fermata. The staff is enclosed in a double bar line.

Pc 4

accel...

f

ff

Detailed description: This is the musical notation for Percussion 4. It consists of five measures. The first measure has a treble clef and a key signature of one sharp (F#). The notation includes eighth and sixteenth notes with accents. The second measure continues the rhythmic pattern. The third measure features a crescendo hairpin leading to a fortissimo (f) dynamic. The fourth measure has a fortissimo (ff) dynamic. The fifth measure ends with a triplet of eighth notes and a fermata. The staff is enclosed in a double bar line.

III

Lightly 1

2

accel. un poco... *rit. un poco...* *a tempo* 5

Tenor Trombone 1 *cup mute* *mf* *mp*

Tenor Trombone 2 *cup mute* *mp*

Tenor Trombone 3 *cup mute* *mp*

Bass Trombone 4

Percussion 1 (sempre l.v. unless indicated) *vibraphone* *mf* *f* *mf* *f* *f*

Percussion 2 (sempre l.v. unless indicated) *small cym.* *med. stk.* *med. size wood blk.* *mf* *f* *large cym.* *f*

Percussion 3 (sempre l.v. unless indicated)

Percussion 4 (sempre l.v. unless indicated) *marimba* *mf* *f* *mf* *f*

A

10

Score for Percussion 1 (Pc 1) through Percussion 4 (Pc 4) and Tubas (Tb 1 through Tb 4).

Tb 1, Tb 2, Tb 3, Tb 4: All tubas are silent throughout the section.

Pc 1: Plays a melodic line in the treble clef. The line begins with a quarter note G4, followed by eighth notes F#4, E4, and D4. A triplet of eighth notes (D4, C#4, B3) is marked with a '5' below it. The line ends with a quarter note A3.

Pc 2: Plays a melodic line in the treble clef. The line begins with a quarter note G4, followed by eighth notes F#4, E4, and D4. A triplet of eighth notes (D4, C#4, B3) is marked with a '3' below it. The line ends with a quarter note A3.

Pc 3: Plays a melodic line in the treble clef. The line begins with a quarter note G4, followed by eighth notes F#4, E4, and D4. A triplet of eighth notes (D4, C#4, B3) is marked with a '3' below it. The line ends with a quarter note A3.

Pc 4: Plays a melodic line in the bass clef. The line begins with a quarter note G3, followed by eighth notes F#3, E3, and D3. A triplet of eighth notes (D3, C#3, B2) is marked with a '3' below it. The line ends with a quarter note A2.

Triangle: Plays a melodic line in the treble clef. The line begins with a quarter note G4, followed by eighth notes F#4, E4, and D4. A triplet of eighth notes (D4, C#4, B3) is marked with a '3' below it. The line ends with a quarter note A3.

Snare: Plays a melodic line in the bass clef. The line begins with a quarter note G3, followed by eighth notes F#3, E3, and D3. A triplet of eighth notes (D3, C#3, B2) is marked with a '3' below it. The line ends with a quarter note A2.

Dynamic markings: *mf* (mezzo-forte) and *mp* (mezzo-piano) are used throughout the score.

B

15 *rit...* (air sound) *a tempo* 20

Tb 1 *ff* *mf*

Tb 2 *mf*

Tb 3 *mf*

Tb 4 (air sound) *ff*

Pc 1 *mf* *p*

Pc 2 small cym. brushes *mf* *f* *p* med. stk. *p*

Pc 3 rattle *p* *p*

Pc 4 *p* *f*

Detailed description of the musical score: The score is for a percussion section labeled 'B'. It spans measures 15 to 20. Measures 15-18 are marked 'rit...' (ritardando). Measure 19 is marked 'a tempo' (return to tempo). A large black arrow with the number '4' points to measure 19. The tuba parts (Tb 1-4) are in bass clef. Tb 1 and Tb 4 have a 'ff' (fortissimo) dynamic in measure 19. Tb 2 and Tb 3 have a 'mf' (mezzo-forte) dynamic in measure 20. The percussion parts (Pc 1-4) are in various clefs. Pc 1 has a 'mf' dynamic in measure 15 and a 'p' (piano) dynamic in measure 20. Pc 2 has a 'mf' dynamic in measure 16, a 'f' (forte) dynamic in measure 19, and a 'p' dynamic in measure 20. Pc 3 has a 'p' dynamic in measure 20. Pc 4 has a 'p' dynamic in measure 19 and a 'f' dynamic in measure 20. The score includes various musical notations such as rests, eighth notes, quarter notes, and sixteenth notes. There are also articulations like 'small cym. brushes' and 'med. stk.' (medium stick). The score ends with a fermata over a complex rhythmic figure in measure 20.

25

25

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

f

mf

f

mf

f

mf

p

mp

tr

mp

5

5

5

3

5

6

6

6

6

6

D

30

*accel...**a tempo*

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

Musical score for measures 30-37. The score is divided into five systems, each containing staves for different instruments.

- System 1 (Tubas):** Tb 1, Tb 2, Tb 3, and Tb 4. Tb 1 starts with a half note G2 (mf). Tb 2 starts with a half note F2 (f). Tb 3 starts with a half note E2 (ff). Tb 4 is silent.
- System 2 (Percussion 1):** Pc 1. Starts with a half note G2 (ff). Measures 31-32 are silent. Measure 33 has a half note G2 (mf). Measures 34-37 have a triplet of eighth notes (G2, F2, E2) (f).
- System 3 (Percussion 2):** Pc 2. Measures 30-32 have a half note G2 (mf). Measure 33 has a half note G2 (mf). Measures 34-37 are silent.
- System 4 (Percussion 3):** Pc 3. Measures 30-32 are silent. Measure 33 has a half note G2 (mf) with an accent (>) and a piano (p) marking. Measures 34-37 are silent.
- System 5 (Percussion 4):** Pc 4. Starts with a half note G2 (ff). Measure 31 has a half note G2 (mf). Measures 32-37 have a triplet of eighth notes (G2, F2, E2) (f).

Performance instructions: *accel...* at measure 33, *a tempo* at measure 34.

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509

510

H

60

Score for Horns (H) and Percussion (Pc).

Horn Parts (Tb 1, Tb 2, Tb 3, Tb 4): All parts are silent (indicated by a horizontal line).

Percussion Parts:

- Pc 1:** Plays a sustained harmonic series in the right hand (treble clef) and a corresponding series in the left hand (bass clef). The right hand part includes the instruction *rall. poco a poco trem...*.
- Pc 2:** Plays a rhythmic pattern in the right hand (treble clef) and a corresponding pattern in the left hand (bass clef). The left hand part includes the instruction *p* (piano) and a triplet of eighth notes.
- Pc 3:** Plays a rhythmic pattern in the right hand (treble clef) and a corresponding pattern in the left hand (bass clef). The left hand part includes a triplet of eighth notes.
- Pc 4:** Plays a sustained harmonic series in the right hand (treble clef) and a corresponding series in the left hand (bass clef). The right hand part includes the instruction *rall. poco a poco trem...*.

The score is divided into measures by vertical bar lines. The percussion parts are marked with various musical notations, including notes, rests, and dynamic markings.

I

65 70

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

sempre rall. poco a poco trem...

un poco staccato when possible...

Pc 2

Pc 3

Pc 4

sempre rall. poco a poco trem...

small size wood blk.

p

The musical score is for a percussion ensemble and tubas. It is divided into two systems. The first system (measures 65-70) shows Tubas 1-4 with rests. Percussion 1 has a melodic line with a tremolo effect. Percussion 2 and 3 have rhythmic patterns with triplets. Percussion 4 has a melodic line with triplets. The second system (measures 71-76) shows Tubas 1-4 with rests. Percussion 1 has a melodic line with a tremolo effect. Percussion 2 and 3 have rhythmic patterns with triplets. Percussion 4 has a melodic line with triplets. The score ends with a double bar line and a small size wood block playing a single note.

J

75 80

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

sempre un poco staccato when possible...

p ³

³

³

no mute

f *ff* *f* *ff*

26" timp.
soft stk. *p*

29" timp.
hard stk. *f*

non staccato, except where indicated

p *mf* *f* *mf* *f* *p* +

p

32" timp.
hard stk. *f* *p* rattle *p*

20" timp.
hard stk. *p*

L

90

no mute

95

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

ff

p *mp*

f

f *pp*

p *3*

p *3*

f

p *mf*

p *f*

This musical score page, labeled 'L' and numbered '41', contains staves for four Trombones (Tb 1-4) and four Percussionists (Pc 1-4). The score is divided into two systems, with measures 90 and 95 marked at the beginning of the first and last staves respectively. The Trombone section (Tb 1-4) is in bass clef. Tb 1 has a 'no mute' instruction. Tb 2 has a 'ff' dynamic. Tb 3 and 4 have 'p' and 'mp' dynamics. The Percussion section (Pc 1-4) is in treble clef. Pc 1 has 'p' and 'mp' dynamics. Pc 2 has 'f' and 'pp' dynamics. Pc 3 has 'p' and 'mf' dynamics. Pc 4 has 'p' and 'f' dynamics. The score includes various musical notations such as notes, rests, slurs, and dynamic markings.

M

Musical score for Percussion 1-4 and Tuba 1-4. The score is written for five staves. The top four staves are for Tuba 1, Tuba 2, Tuba 3, and Tuba 4. The bottom staff is for Percussion 1. The Percussion 1 staff is divided into two systems, each with a snare drum staff and a tom-tom staff. The Percussion 2 staff is divided into two systems, each with a snare drum staff and a tom-tom staff. The Percussion 3 staff is divided into two systems, each with a snare drum staff and a tom-tom staff. The Percussion 4 staff is divided into two systems, each with a snare drum staff and a tom-tom staff. The score includes various musical notations such as notes, rests, and dynamic markings (p, mp, f).

1 $\text{♩} = 50$

Tenor Trombone 1

Tenor Trombone 2

Tenor Trombone 3

Bass Trombone 1

Percussion 1

Percussion 2

Percussion 3

Percussion 4

mp *cresc. poco a poco...* *accel...* *f* *ff*

mp *cresc. poco a poco...* *f* *ff*

mp *cresc. poco a poco...* *f* *ff*

mp *cresc. poco a poco...* *f* *ff*

large tom, hard stk. *ff* *mp*

large tom, hard stk. *ff* *mp*

$\text{♩} = 60$ **2**

A

Tb 1

Tb 2

Tb 3

Tb 4

med. cym.
hard stk.

large cym.
hard stk.

closed hihat
hard stk.

Pc 1

f 3 3 3

small, medium,
and large toms

f 5 3 5

mp

Pc 2

small, medium,
and large toms

f 5 5 5

mp

Pc 3

snare

f 5 (rim-shot) 6

Pc 4

B

♩ = 50

Tb 1 *mp* *cresc. poco a poco...* *accel...* *ff*

Tb 2 *mp* *cresc. poco a poco...* *ff*

Tb 3 *mp* *cresc. poco a poco...* *ff*

Tb 4 *mp* *cresc. poco a poco...* *ff*

Pc 1

Pc 2 *ff*

Pc 3 *ff*

Pc 4 *ff*

C $\text{♩} = 60$

4

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

closed hihat
hard stk.

large cym.
hard stk.

large tam.
hard stk.

snare

ff *f* *p* *ff* *f*

D

Tb 1 *f* *decresc. poco a poco...* *mp* *rall...* 20 *plunger* (slowly open/close) +

Tb 2 *f* *decresc. poco a poco...* *mp* *plunger* (slowly open/close) +

Tb 3 *f* *decresc. poco a poco...* *mp* *plunger* (slowly open/close)

Tb 4 *mf* (slowly open/close) *decresc. poco a poco...* *mp*

Pc 1 large cym. med. stk. *mp* *f*

Pc 2 5 med. stk.

Pc 3 5 med. stk. 3 *mf*

Pc 4 tam med. stk. *mp*

E $\text{♩} = 50$
 Tb 1
 Tb 2
 Tb 3
 Tb 4
 large, med, small cym.
 soft stk.
 Pc 1
 Pc 2
 Pc 3
 Pc 4
 med. cym.
 soft stk.
 large tam.
 soft stk.
 chimes
 hard stk.
 vibes
 med. stk.
 (motor on)

F

Tb 1
 Tb 2
 Tb 3
 Tb 4
 Pc 1
 Pc 2
 Pc 3
 Pc 4

G

35 (change position during breath)

Tb 1 *non cresc...*

Tb 2 *non cresc...*

Tb 3 *non cresc...*

Tb 4 *non cresc...*

Pc 1 *cresc. poco a poco...*

Pc 2 *cresc. poco a poco...*

Pc 3 *cresc. poco a poco...*

Pc 4 *cresc. poco a poco...*

40

Tb 1 (ad libitum plunger + o faster and faster) *pp* *ff*

Tb 2 (ad libitum plunger + o faster and faster) *pp* *ff*

Tb 3 (ad libitum plunger + o faster and faster) *pp* *ff*

Tb 4 (ad libitum plunger + o faster and faster) *pp* *ff*

Pc 1 *sempre cresc. poco a poco...* *fff* *ff*

Pc 2 *sempre cresc. poco a poco...* *fff* *ff*

Pc 3 *sempre cresc. poco a poco...* *fff* *ff*

Pc 4 *sempre cresc. poco a poco...* *fff* *ff*

I

(plunger + o rapidly) , (no plunger)

45

f

(plunger + o rapidly) , (no plunger)

f

(plunger + o rapidly) , (no plunger)

f

(plunger + o rapidly) , (no plunger)

f

large, med. chinese cym.
med. stk.

f

hard stk.

snare

mf < *f*

ff

mf < *f*

3

15

poco a poco rall. tremolo...

f

ff

15

poco a poco rall. tremolo...

f

ff

tam. med. stk.

f

bass drum,
med. stk.

ff

f

f

J

Tb 1 (gliss towards next note)

Tb 2 (gliss towards next note)

Tb 3 (gliss towards next note)

Tb 4 (gliss towards next note)

Pc 1 *f*

Pc 2 *f* small, medium, and large toms, hard stks. 23" timp. hard stks.

Pc 3 *f* small, medium, and large toms, hard stks. 32" timp. hard stks.

Pc 4 *mp*

cresc. poco a poco...

K

11

L

decresc. poco a poco...

60

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

f

p

f

p

f

p

f

p

f

mf

f

mf

f

mf

decrec. until electronics fade completely

f

mf

Buffalo, 2012