

# **Music for Octet & Computer**

*for trombone quartet, percussion quartet, and live computer*

**by Cort Lippe**

**2012**

**Commissioned for the 46<sup>th</sup> 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" timpani  
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

2

for Lena

$\text{♩} = 120$

**1**

Tenor Trombone 1

Tenor Trombone 2

Tenor Trombone 3

Bass Trombone 4

Percussion 1

(sempre l.v. unless indicated)

large cym.  
soft stk.

large cym.  
hard stk.

*ppp* *p* (l.v.)

Percussion 2

(sempre l.v. unless indicated)

Percussion 3

(sempre l.v. unless indicated)

32" timp.  
med. stk.

bass drum  
soft stk.

*ppp* (sempre l.v. unless indicated)

*p*

2

A

3

4

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

Pc 3

triangle

*p* (l.v.)

Pc 4

*ppp* (al n.) *ppp*

## B

20

Score for Percussion (Pc) and Tubas (Tb).

**Tb 1, 2, 3, 4:** Four tuba staves, all showing rests.

**Pc 1:** Small cym. soft stk. (first measure). Dynamics: *mp* (first measure), *pp* (second measure, *(l.v.)*), *ppp* (third measure), *p* (fourth measure), *ppp* (fifth measure, *(l.v.)*).

**Pc 2:** Med. cym. soft stk. (first measure). Dynamics: *mp* (first measure), *pp* (second measure, *(l.v.)*), *ppp* (third measure), *p* (fourth measure), *ppp* (fifth measure, *(l.v.)*).

**Pc 3:** Large cym. soft stk. (first measure). Dynamics: *mp* (first measure), *pp* (second measure, *(l.v.)*), *ppp* (third measure), *p* (fourth measure), *ppp* (fifth measure, *(l.v.)*).

**Pc 4:** Sustained notes across all measures. Dynamics: *senza decresc.* (last measure, *(l.v.)*).

Rehearsal mark **B** is indicated at the beginning of the section.

4

6

7

C

25

30

Score for Percussion and Tuba parts, measures 25 to 30.

**Tuba (Tb 1-4):** Measures 25-26 feature a melodic line in the lower tubas (Tb 3 & 4) with dynamics *pp*, *p*, and *pp*. Measures 27-30 are rests.

**Percussion 1 (Pc 1):** Measures 25-26 feature a melodic line with dynamics *ppp* and *p*. Measure 27 features a *mp* note. Measures 28-30 are rests.

**Percussion 2 (Pc 2):** Measures 25-26 feature a melodic line with dynamics *ppp* and *p*. Measure 27 features a triplet of eighth notes. Measures 28-30 are rests.

**Percussion 3 (Pc 3):** Measures 25-26 feature a melodic line with dynamics *ppp* and *p*. Measure 27 features a triplet of eighth notes. Measures 28-30 are rests.

**Percussion 4 (Pc 4):** Measures 25-26 feature a melodic line with dynamics *ppp* and *fppp*. Measures 27-30 are rests.

**Chinese Cymbal (chinese cym.):** Measures 25-26 feature a melodic line with dynamics *ppp* and *p*. Measure 27 features a *mp* note. Measures 28-30 are rests.

**Hard Stick (hard stk.):** Measures 25-26 feature a melodic line with dynamics *ppp* and *p*. Measure 27 features a triplet of eighth notes. Measures 28-30 are rests.

**Bass Drum (bass drum):** Measures 25-26 feature a melodic line with dynamics *ppp* and *fppp*. Measures 27-30 are rests.

**Med. Stick (med. stk.):** Measures 25-26 feature a melodic line with dynamics *ppp* and *fppp*. Measures 27-30 are rests.

**D** **8** **9** **10**

35 40

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

bass drum med. stk.

*p*

(sempre l.v.)

chinese cym. med stk.

*mp*

*p*

Pc 2

bass drum med. stk.

*p*

(sempre l.v.)

med. cym. med. stk.

*mp*

Pc 3

32" timp. soft stk.

*pp* *slow gliss*

Pc 4

*pp* (*mp*)

*ritardando trem...*

*ritardando trem...*

6

E

11

12

45

Score for Percussion and Tuba parts, measures 45 to 52.

**Tuba (Tb 1-4):** Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.

**Percussion 1 (Pc 1):** Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *mp* dynamic. Measures 47-52 are rests.

**Percussion 2 (Pc 2):** Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.

**Percussion 3 (Pc 3):** Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.

**Percussion 4 (Pc 4):** Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.

**Drum Parts:**

- large cym. hard stk.** (Pc 1): Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *mp* dynamic. Measures 47-52 are rests.
- 23" timp. med. stk.** (Pc 2): Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.
- 32" timp. med. stk.** (Pc 3): Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.
- large tam med. stk.** (Pc 4): Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.
- bass drum med. stk.** (Pc 4): Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.
- snare drum hard stk.** (Pc 4): Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.
- bass drum med. stk.** (Pc 4): Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.

**Other Percussion:**

- vibes soft stk.** (Pc 1): Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *mp* dynamic. Measures 47-52 are rests.
- med. cym. med. stk.** (Pc 2): Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.
- med. cym. hard stk.** (Pc 3): Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.
- large cym. med. stk.** (Pc 4): Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.
- large cym. hard stk.** (Pc 4): Measures 45-46 feature a descending eighth-note scale in the right hand, starting on B $\flat$ 4, with a *p* dynamic. Measures 47-52 are rests.

**F**

50

13

14

55

15

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

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

large cym. hard stk. small cym. soft stk. small cym. med. stk.

med. cym. soft stk. med. cym. med. stk.

23" timp. med. stk. large cym. soft stk. 32" timp. med. stk. bass drum med. stk.

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

*accelerando trem...* *ritardando trem...*

## G

Score for Percussion (Pc 1, Pc 2, Pc 3, Pc 4) and Tubas (Tb 1, Tb 2, Tb 3, Tb 4).

**Tubas (Tb 1-4):** Play a melodic line starting on G4, moving up stepwise with triplets, reaching a peak at measure 60, then descending with trills. Dynamics: *mf*, *cresc...*, *f*, *ff*. A *plunger simile* is indicated for Tb 4.

**Percussion (Pc 1-4):**

- Pc 1:** Small cymbal, medium stick. Plays a rhythmic pattern of eighth notes. Dynamics: *mf*, *ff*.
- Pc 2:** Medium cymbal, medium stick. Plays a rhythmic pattern of eighth notes. Dynamics: *mf*, *f*, *ff*.
- Pc 3:** Large cymbal, medium stick. Plays a rhythmic pattern of eighth notes. Dynamics: *mf*, *f*, *ff*.
- Pc 4:** Large tam-tam, medium stick. Plays a single note. Dynamics: *ff*.

**Rehearsal Mark G:** Measure 60. The tubas play a melodic line with trills. The percussion plays a rhythmic pattern. Dynamics: *mf*, *cresc...*, *f*, *ff*.

**16**

**H**  
65

Tb 1  
*p* *mf*

Tb 2  
*p* *mf*

Tb 3  
*p* *mf*

Tb 4  
*mf*

Pc 1  
29" timp.  
med. stk.  
*mf*

Pc 2  
23" timp.  
med. stk.  
*mf*

Pc 3  
large cym.  
med. stk.  
*mf*

Pc 4  
large tam  
metal scraper  
*f*

**17**

Tb 1  
*mf* *f*

Tb 2  
*mf* *f*

Tb 3  
*mf* *f*

Tb 4  
*mf* *f*

(pedal)

small cym.  
med. stk.  
*mf*

small cym.  
hard stk.  
*f*

med. cym.  
med. stk.  
*mf*

med. cym.  
hard stk.  
*f*

large cym.  
med. stk.  
*mf*

large cym.  
hard stk.  
*f*

large tam  
med. stk.  
*mf*

ritardando trem...  
*f* *mp*

ritardando trem...  
*f* *mp*

ritardando trem...  
*f* *mp*

ritardando trem...  
*f* *mp*

## I

Score for Percussion and Tuba parts, starting at measure 18.

**Tuba (Tb 1, 2, 3, 4):** The tuba parts are written in bass clef. They feature a melodic line with dynamics ranging from *p* (piano) to *f* (forte). The parts include triplets and slurs. Measure numbers 75 and 80 are indicated above the staves.

**Percussion (Pc 1, 2, 3, 4):** The percussion parts are written in treble and bass clefs. They include various instruments and effects:

- Pc 1:** small cym. hard stk. (measure 18), *mp* (measure 19), *mp* (measure 20), *f* (measure 21), *f* (measure 22), *f* (measure 23), *f* (measure 24).
- Pc 2:** 23" timp. med. stk. (measure 18), *mp* (measure 19), *f* (measure 20), *f* (measure 21), *f* (measure 22), *f* (measure 23), *f* (measure 24).
- Pc 3:** 32" timp. med. stk. (measure 18), *mp* (measure 19), *f* (measure 20), *f* (measure 21), *f* (measure 22), *f* (measure 23), *f* (measure 24).
- Pc 4:** bass drum med. stk. (measure 18), *fp* (measure 19), *accelerando trem...* (measure 20), *ritardando trem...* (measure 21), *f* (measure 22), *pp* (measure 23), *f* (measure 24).

Additional percussion parts include sleigh bells (measure 21) and chinese cym. hard stk. (measure 22).

19

J

85

20

Tb 1

*f* *pp*

Tb 2

*p* *mf*

Tb 3

*f* *pp* *p* *mf*

Tb 4

*mf* *f*

Pc 1

*p*

29" timp.  
hard stk.

26" timp.  
hard stk.

*f*

Pc 2

*p*

*mf*

23" timp.  
hard stk.

*f*

Pc 3

*p*

*mf*

*f*

32" timp.  
hard stk.

bass drum  
hard stk.

*f*

Pc 4

Score for Percussion and Tuba parts, measures 95-100.

**Tuba (Tb 1-4):** Measures 95-96 feature a melodic line in the upper tubas (Tb 1-3) and a rhythmic pattern in the lower tuba (Tb 4). Dynamics range from *ff* to *mp* and *ppp*.

**Percussion 1 (Pc 1):** Includes Chinese cymbal (chinese cym. hard stk.) and snare drum (pedal). Dynamics include *ff*, *mf*, *p*, and *f*.

**Percussion 2 (Pc 2):** Includes medium cymbal (med. cym. hard stk.) and snare drum. Dynamics include *ff*, *mf*, *p*, and *f*.

**Percussion 3 (Pc 3):** Includes large cymbal (large cym. hard stk.) and snare drum (32" timp. soft stk.). Dynamics include *ff*, *mf*, and *ppp*. A *ritardando trem...* marking is present.

**Percussion 4 (Pc 4):** Includes large tam-tam (large tam hard stk.) and bass drum (bass drum soft stk.). Dynamics include *ff*, *ppp*, and *p*. A *slow gliss* marking is present.

21

L

100

Tb 1

*mp* *f* *ff*

Tb 2

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

Tb 3

*mp* *f* *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

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

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 (breathe as necessary) portamento-like gliss. *mp* *pp* *mp*

Pc 1 small cym. bowed *f*

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

Pc 3 large cym. bowed *f*

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

[illegible]

(rapid, small gliss)

[illegible]

[illegible]

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

small, med.,  
large toms,  
hard stk.

*f* 3 3

3 5 5 5 6 5

snare

145

150

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

(b,d)

(tam)

(snare)

*mf*

*mp*

*p*

*pp*

**T**  
155 160

Tb 1

Tb 2

Tb 3

Tb 4

(pedal) *mp*

chinese cym. hard stk. *mf*

soft stk. *p* *ppp*

Pc 1

bass drum hard stk. *mf*

*p* *ppp*

Pc 2

large cym. hard stk. (on bell) *mp*

(on bell) *pp*

Pc 3

marimba soft stk. *mp*

*ppp*

Pc 4

U

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

165

170

*f*

*p*

vibes  
soft stk.  
(motor on)

sleigh bells

bass drum  
soft stk.

(on bell)

(on edge)

32" timp.  
soft stk.

bass drum  
soft stk.

large tam  
soft stk.

**II**

**1**

$\text{♩} = 120$

4

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

marimba

vibraphone

*f*

*ff*

*f*

*mf*

*mf*

*mp*

24

2

3

Pc 1

*mp* *ff* *f*

Pc 4

*f*

Measures 24-27. Pc 1: Measure 24 (quarter, eighth, eighth, quarter, eighth, eighth, quarter), Measure 25 (quarter, eighth, eighth, quarter, eighth, eighth, quarter), Measure 26 (quarter, eighth, eighth, quarter, eighth, eighth, quarter), Measure 27 (quarter, eighth, eighth, quarter, eighth, eighth, quarter). Pc 4: Measures 24-26 are rests. Measure 27: quarter, eighth, eighth, quarter, eighth, eighth, quarter (triplet), quarter, eighth, eighth, quarter, eighth, eighth, quarter.

4

Pc 1

*tr* *mp* *f*

Pc 4

*mp* *f* *tr*

Measures 28-31. Pc 1: Measure 28 (quarter, eighth, eighth, quarter, eighth, eighth, quarter), Measure 29 (quarter, eighth, eighth, quarter, eighth, eighth, quarter), Measure 30 (quarter, eighth, eighth, quarter, eighth, eighth, quarter), Measure 31 (quarter, eighth, eighth, quarter, eighth, eighth, quarter). Pc 4: Measure 28 (quarter, eighth, eighth, quarter, eighth, eighth, quarter), Measure 29 (quarter, eighth, eighth, quarter, eighth, eighth, quarter), Measure 30 (quarter, eighth, eighth, quarter, eighth, eighth, quarter), Measure 31 (quarter, eighth, eighth, quarter, eighth, eighth, quarter).

14 15

Pc 1

Pc 4

*f* *f* *mp*

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

20

Pc 1

Pc 4

*f* *mf* *mp*

*f* *mf* *mp*

6

25

Pc 1

Pc 4

*f*

*f*

7

30

Pc 1

Pc 4

*mf*

*f*

*mf*

*f*

5

35

Pc 1

Pc 4

*mp* *mf* *f*

*mp* *mf* *f*

8

40

Pc 1

Pc 4

*ff* *f* *mf*

*ff* *f* *mf*

45

Pc 1

*accel...*

*f*

*ff*

*3*

Pc 4

*accel...*

*f*

*ff*

## 29

**Lightly** **1** **2**

**III**

**Tenor Trombone 1** **Tenor Trombone 2** **Tenor Trombone 3** **Bass Trombone 4**

**Percussion 1** **Percussion 2** **Percussion 3** **Percussion 4**

**Tempo:** = 100 *accel. un poco...* *rit. un poco...* *a tempo* 5

**Dynamic markings:** *mf*, *f*, *mp*

**Instrument markings:** *cup mute*, *vibraphone*, *small cym.*, *med. stk.*, *med. size wood blk.*, *large cym.*, *marimba*

**Performance instructions:** *(sempre l.v. unless indicated)*

## 10

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

Musical score for Percussion 1-4 and Tuba 1-4. The score is in 4/4 time and features various percussion parts including tubas, congas, triangle, and snare. Dynamics range from *mf* to *mp*.



C

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

5

3

5

6

6

6

6

[illegible]

7

[illegible]

8

**F** 45 *a tempo* 50

Tb 1 *mf* *ff*

Tb 2 *mf* *f* *ff*

Tb 3 (air sound) *ff* *f*

Tb 4 *ff* *ff*

Pc 1 *f* *mf* *f* *f*

Pc 2 *p* *f* *ff* *f* *f*

Pc 3 *mf* *mf* *ff* *mf* *ff* *f*

Pc 4 *p* *f* *ff*

## G

55

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

*ff* *mf* *mp* *ff* *mf*

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

*hard stk.* *p*

*p* *3*

*p* *3* *mf* *p* *3*

*3* *mf* *f* *p* *f* *p*

**H**

60

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

*rall. poco a poco trem...*

Pc 2

*p* 3

Pc 3

Pc 4

*rall. poco a poco trem...*

The musical score is for measures 60 through 66. The Horn section (H) consists of four parts (Tb 1, Tb 2, Tb 3, Tb 4) in bass clef, all of which are silent throughout the measures. The Percussion section (Pc) consists of four parts. Pc 1 and Pc 4 are in treble clef with a key signature of one sharp (F#) and play sustained chords, marked with a *rall. poco a poco trem...* instruction. Pc 2 and Pc 3 are in alto clef. Pc 2 plays a rhythmic pattern of eighth notes and quarter notes, with triplets and a *p* dynamic marking. Pc 3 plays a similar rhythmic pattern, also with triplets.

**I**

65 70

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

*sempre rall. poco a poco trem...*

Pc 2

*un poco staccato when possible...*

Pc 3

Pc 4

*sempre rall. poco a poco trem...*

*small size wood blk.*

*p*

**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

This musical score page, numbered 39, features a section titled 'J'. It contains staves for four tubas (Tb 1-4) and four percussionists (Pc 1-4). The tuba parts are mostly rests, with measure numbers 75 and 80 indicated. Percussionist 1 has a single rest. Percussionist 2 has a melodic line in the right hand with staccato markings and rests in the left hand. Percussionist 3 has a triplet in the left hand at measure 75, a triplet in the right hand at measure 79, and rests elsewhere. Percussionist 4 has rests throughout. The percussion parts are in 2/4 time, while the tuba parts are in 3/4 time.



K

85

Score for Percussion and Tuba parts, measures 85-92.

**Tuba (Tb 1-4):** Measures 85-92. Tb 1 and 2 are silent. Tb 3 and 4 play a rhythmic pattern starting at measure 86, marked *f* and *ff*. A "no mute" instruction is present above Tb 3 in measure 86. In measure 92, Tb 3 and 4 play a triplet marked *mf* and *f*.

**Percussion (Pc 1-4):**

- Pc 1:** Measures 85-92. Measures 86-87 are silent. Measure 88 features a 29" timp. hard stk. pattern marked *f*. Measures 89-90 feature a 26" timp. soft stk. pattern marked *p*.
- Pc 2:** Measures 85-92. The instruction "non staccato, except where indicated" is present. Measures 86-87 are silent. Measures 88-90 feature a pattern marked *mf* and *f*. Measure 91 features a pattern marked *p*. Measure 92 features a pattern marked *p*.
- Pc 3:** Measures 85-92. Measures 86-87 are silent. Measure 88 features a pattern marked *f*. Measures 89-90 feature a 32" timp. hard stk. pattern marked *f* and *p*. Measure 91 features a "rattle" pattern marked *p*. Measure 92 features a pattern marked *p*.
- Pc 4:** Measures 85-92. Measures 86-87 are silent. Measure 88 features a pattern marked *f*. Measures 89-90 are silent. Measure 91 features a 20" timp. hard stk. pattern marked *p*. Measure 92 features a pattern marked *p*.

**L**

90 *no mute* 95

Tb 1 *ff*

Tb 2

Tb 3

Tb 4

Pc 1 *p mp p mp p mp p f p mp*

Pc 2 *f pp p p 3 f p*

Pc 3 *p p*

Pc 4 *f mp mf p f*

## M

100

Score for Percussion and Tuba parts, measures 100-104.

**Tuba (Tb 1, 2, 3, 4):** Measures 100-104. Tb 1 and 3 play a melodic line starting in measure 100, while Tb 2 and 4 are silent.

**Percussion 1 (Pc 1):** Measures 100-104. Measures 100-101: *p* to *mp* crescendo. Measure 102: *f* (forte) with a triplet. Measures 103-104: Triplet figures.

**Percussion 2 (Pc 2):** Measures 100-104. Measures 100-101: *f* (forte) with a triplet. Measures 102-104: *p* (piano) with a triplet.

**Percussion 3 (Pc 3):** Measures 100-104. Measures 100-101: *f* (forte) with a triplet. Measures 102-104: *p* (piano) to *mp* (mezzo-piano) crescendo.

**Percussion 4 (Pc 4):** Measures 100-104. Measures 100-101: *f* (forte) with a triplet. Measures 102-104: *p* (piano) to *mp* (mezzo-piano) crescendo.

N

105

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

The musical score for measures 105-110 is as follows:

- Measure 105:** Tb 1 has a half note G2. Tb 2 has a half note F#2. Tb 3 has a half note E2. Tb 4 has a half note D2. Pc 1 has a half note G2. Pc 2 has a half note F#2. Pc 3 has a half note E2. Pc 4 has a half note D2.
- Measure 106:** Tb 1 has a half note G2. Tb 2 has a half note F#2. Tb 3 has a half note E2. Tb 4 has a half note D2. Pc 1 has a half note G2. Pc 2 has a half note F#2. Pc 3 has a half note E2. Pc 4 has a half note D2.
- Measure 107:** Tb 1 has a half note G2. Tb 2 has a half note F#2. Tb 3 has a half note E2. Tb 4 has a half note D2. Pc 1 has a half note G2. Pc 2 has a half note F#2. Pc 3 has a half note E2. Pc 4 has a half note D2.
- Measure 108:** Tb 1 has a half note G2. Tb 2 has a half note F#2. Tb 3 has a half note E2. Tb 4 has a half note D2. Pc 1 has a half note G2. Pc 2 has a half note F#2. Pc 3 has a half note E2. Pc 4 has a half note D2.
- Measure 109:** Tb 1 has a half note G2. Tb 2 has a half note F#2. Tb 3 has a half note E2. Tb 4 has a half note D2. Pc 1 has a half note G2. Pc 2 has a half note F#2. Pc 3 has a half note E2. Pc 4 has a half note D2.
- Measure 110:** Tb 1 has a half note G2. Tb 2 has a half note F#2. Tb 3 has a half note E2. Tb 4 has a half note D2. Pc 1 has a half note G2. Pc 2 has a half note F#2. Pc 3 has a half note E2. Pc 4 has a half note D2.

The musical score is for the percussion section of 'The Rite of Spring' by Igor Stravinsky. It consists of five staves, each with a grand staff (treble and bass clef). The parts are labeled as follows:

- Tb 1:** Tubas. Includes a note about a 'very small gliss above and below note' and dynamic markings like *f*, *p*, *mp*, and *f*.
- Tb 2:** Tubas. Includes dynamic markings like *p*, *mf*, *f*, and *ff*.
- Tb 3:** Tubas. Includes dynamic markings like *f*, *ff*, and *ff*.
- Tb 4:** Tubas. Includes dynamic markings like *mf*, *f*, and *ff*.
- Pc 1:** Percussionist 1. Includes dynamic markings like *mf* and *f*.
- Pc 2:** Percussionist 2. Includes dynamic markings like *mf* and *f*.
- Pc 3:** Percussionist 3. Includes dynamic markings like *mf* and *f*.
- Pc 4:** Percussionist 4. Includes dynamic markings like *mf* and *f*.

The score includes various musical notations such as notes, rests, and articulation marks. It also features tempo markings '110' and '115' and a section marked 'accél. poco a poco...'. The percussion parts include specific instructions like 'no mute' and 'snare'.

Musical score for "The Firebird" by Igor Stravinsky, measures 107-110. The score is for a large ensemble, including four tubas (Tb 1-4), four percussionists (Pc 1-4), and a piano (P). The music is in 3/4 time with a tempo of 110. The key signature has one flat (B-flat). The score shows complex rhythmic patterns, including triplets and sixteenth notes, and dynamic markings such as *mf*, *f*, *ff*, and *fff*. A tempo change to 120 is indicated at measure 109. The score ends with a double bar line and a repeat sign.

## IV

**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*

large tom,  
hard stk.

*ff*

*mp*

Musical score for Percussion 1 (Pc 1) and Percussion 2 (Pc 2) parts. The score is in 4/4 time, with a tempo of 60 beats per minute. The key signature is one flat (B-flat). The score is divided into four measures.

**Pc 1 Part:**

- Measure 1: Med. cym. hard stk. (f) playing a triplet of eighth notes (G4, A4, Bb4).
- Measure 2: Med. cym. hard stk. (f) playing a triplet of eighth notes (G4, A4, Bb4).
- Measure 3: Med. cym. hard stk. (f) playing a triplet of eighth notes (G4, A4, Bb4).
- Measure 4: Med. cym. hard stk. (f) playing a triplet of eighth notes (G4, A4, Bb4).

**Pc 2 Part:**

- Measure 1: Small, medium, and large toms (f) playing a triplet of eighth notes (G4, A4, Bb4).
- Measure 2: Small, medium, and large toms (f) playing a triplet of eighth notes (G4, A4, Bb4).
- Measure 3: Small, medium, and large toms (f) playing a triplet of eighth notes (G4, A4, Bb4).
- Measure 4: Small, medium, and large toms (f) playing a triplet of eighth notes (G4, A4, Bb4).

48

3

B

♩ = 50

accel...

Score for four tubas (Tb 1, Tb 2, Tb 3, Tb 4) and four percussionists (Pc 1, Pc 2, Pc 3, Pc 4).

**Tuba Parts:**

- Tb 1:** Starts with *mp*, followed by *cresc. poco a poco...*. Includes a triplet of eighth notes and a triplet of sixteenth notes. Ends with *ff*.
- Tb 2:** Starts with *mp*, followed by *cresc. poco a poco...*. Includes a triplet of eighth notes. Ends with *ff*.
- Tb 3:** Starts with *mp*, followed by *cresc. poco a poco...*. Ends with *ff*.
- Tb 4:** Starts with *mp*, followed by *cresc. poco a poco...*. Includes a triplet of eighth notes. Ends with *ff*.

**Percussion Parts:**

- Pc 1:** Rests throughout the section.
- Pc 2:** Starts with a *ff* accent on a quarter note, then rests.
- Pc 3:** Starts with a *ff* accent on a quarter note, then rests.
- Pc 4:** Starts with a *ff* accent on a quarter note, then rests.

♩ = 60

C

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

15

closed hihat  
hard stk.

large cym.  
hard stk.

large tam.  
hard stk.

snare

*ff*

*f*

*p*

*ff*

50

**D** **5**

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 *plunger* *mf* (slowly open/close) *decresc. poco a poco...* *mp* *+*

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

Pc 2 *med. stk.*

Pc 3 *med. stk.* *mf*

Pc 4 tam med. stk. *mp*

6

E

♩ = 50

Tb 1

Tb 2

Tb 3

Tb 4

large, med, small cym.  
soft stk.

Pc 1

vibes  
med. stk.  
(motor on)

Pc 2

3

mf

mp

15

Pc 3

15

med. cym.  
soft stk.

large tam.  
soft stk.

3

chimes  
hard stk.

Pc 4

25

7

**F**

30 (breathe as necessary) *accel...*

Tb 1 (simile ad libitum plunger + o slowly) *pp* (breathe as necessary)

Tb 2 (simile ad libitum plunger + o slowly) *pp* (breathe as necessary)

Tb 3 (simile ad libitum plunger + o slowly) *pp* (breathe as necessary)

Tb 4 (simile ad libitum plunger + o slowly) *pp* (breathe as necessary)

Pc 1

Pc 2 15 glock. *mp* 3

Pc 3 15 glock. *mp* 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

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

*sempre cresc. poco a poco...*

*ad libitum plunger + o faster and faster*

*pp* *fff*

**I**

(plunger + o rapidly) , (no plunger)

Tb 1

(plunger + o rapidly) , (no plunger)

Tb 2

(plunger + o rapidly) , (no plunger)

Tb 3

(plunger + o rapidly) , (no plunger)

Tb 4

*f*

45

large, med. chinese cym.  
med. stk.

hard stk.

snare

*f*

*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*

**J**

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

(gliss towards next note)

(gliss towards next note)

(gliss towards next note)

(gliss towards next note)

*f*

*f*

23" timp.  
hard stks.

small, medium,  
and large toms, hard stks.

32" timp.  
hard stks.

*mp*

[illegible]

**L**

*decresc. poco a poco...*

Tb 1

Tb 2

Tb 3

Tb 4

Pc 1

Pc 2

Pc 3

Pc 4

60

*decres. until electronics fade completely*

20