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## *Event Horizon*

Samuel Joshua

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Event Horizon

by

Samuel Joshua

Thesis

Submitted to the Department of Music and Dance

Eastern Michigan University

In partial fulfillments of the requirements

for the degree of

MASTER OF MUSIC

in

Music Composition

Thesis Committee:

Anthony Iannaccone, Ph.D., Chair

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### **Abstract**

*Event Horizon* depicts a spectacular and somewhat violent cosmic light display. This piece uses compositional techniques championed by composers such as Igor Stravinsky and Paul Hindemith. These techniques include use of linear tonality, limited pitch collections, split thirds and non-functional triads, contrasting sections of tension and repose, chromatic consonance, and directional lines that move toward prepared pitches. Such techniques make it possible to maintain a relatively tonal language while not relying heavily on traditional harmonic progression. *Event Horizon* is written for full orchestra, including one piccolo, two flutes, two oboes, two clarinets, two bassoons, four horns, three trumpets, three trombones, one tuba, timpani, one percussion, piano, and strings.

Samuel Joshua

# Event Horizon

For Orchestra

## Instrumentation:

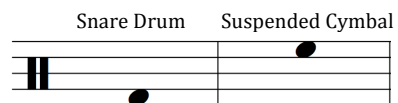
Piccolo  
2 Flutes  
2 Oboes  
2 Bb Clarinets  
2 Bassoons

4 F Horns  
3 C Trumpets  
3 Trombones  
1 Tuba

Timpani

1 Percussion:

Xylophone, Glockenspiel



Piano

Strings

Duration: c. 8 minutes

Transposed Score

# Event Horizon

Samuel Joshua

**Andante** (♩=c. 60)

Piccolo

Flutes 1,2

Oboes 1,2

B♭ Clarinets 1,2

Bassoons 1,2

F Horns 1,3

F Horns 2,4

C Trumpet 1

C Trumpet 2,3

Trombone 1,2

Trombone 3  
Tuba

Timpani

Percussion

Piano

**Andante** (♩=c. 60)

Violin I

Violin II

Viola

Violoncello

Contrabass

*p*

*p*

G C D, G

Small Suspended Cymbal (medium Marimba mallets)

*pp*

*pp*

7

Picc.

Fl. 1,2

Ob. 1,2

Cl. 1,2

Bsn. 1,2

Hns. 1,3

Hns. 2,4

Tpt. 1

Tpt. 2,3

Tbn. 1,2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

*mp*

*p*

*pp*

1.

*p*

*pp*

*pp*

13

Picc.

Fl. 1,2

Ob. 1,2

Cl. 1,2

Bsn. 1,2

Hns. 1,3

Hns. 2,4

Tpt. 1

Tpt. 2,3

Tbn. 1,2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

*p*

*pp*

Detailed description: This page of a musical score covers measures 13, 14, and 15. The woodwind section includes Piccolo, Flutes 1 and 2, Oboes 1 and 2, Clarinets 1 and 2, and Bassoons 1 and 2. The brass section includes Horns 1, 3 and 2, 4; Trumpets 1, 2, and 3; and Trombones 1, 2, and 3 (Tuba). The percussion section includes Timpani and Percussion. The piano part is also present. The string section includes Violins I and II, Viola, Violoncello, and Contrabass. In measure 13, the Flutes 1 and 2 play a melodic line with notes G4, A4, Bb4, and Bb4, with the final Bb4 note tied to the start of measure 14. The Clarinets 1 and 2 play a similar melodic line with notes G4, A4, Bb4, and Bb4, with the final Bb4 note tied to the start of measure 14. The strings play a rhythmic accompaniment of eighth notes. The Viola part starts in measure 14 with a *pp* dynamic. The Violins I and II parts start in measure 15 with a *p* dynamic. The score is written in a common time signature.



16

Picc.

Fl. 1,2

Ob. 1,2

Cl. 1,2

Bsn. 1,2

Hns. 1,3

Hns. 2,4

Tpt. 1

Tpt. 2,3

Tbn. 1,2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

Detailed description: This block contains the musical notation for measures 16, 17, and 18 for the woodwind and brass sections. The Piccolo, Flutes 1 and 2, Oboes 1 and 2, Horns 1, 3 and 2, 4, Trumpets 1, 2, and 3, and Trombones 1, 2, and 3 (Tuba) are all marked with a whole rest throughout the entire passage. The Clarinet 1 and 2 part begins in measure 17 with a whole note G4 (marked 'a2'), moving to A4 in measure 18. The Bassoon 1 and 2 part begins in measure 17 with a whole note G3 (marked 'a2'), moving to F3 in measure 18. Dynamics for the woodwinds are *mp* in measure 17 and *f* in measure 18. The Bassoon part includes a first ending bracket in measure 17.

16

Vln. I

Vln. II

Vla.

Vc.

Cb.

Detailed description: This block contains the musical notation for measures 16, 17, and 18 for the string section. Violins I and II play a rhythmic pattern of eighth notes, starting with a *cresc.* in measure 16, reaching *mf* in measure 17, and *f* in measure 18. The Viola part is mostly whole notes, starting in measure 17 with a *mf* dynamic and reaching *f* in measure 18. The Violoncello part is mostly whole notes, starting in measure 17 with a *f* dynamic and reaching *f* in measure 18. The Contrabass part is mostly whole notes, starting in measure 17 with a *mf* dynamic and reaching *f* in measure 18. Dynamics for the strings are *cresc.* in measure 16, *mf* in measure 17, and *f* in measure 18.

19

Picc.

Fl. 1, 2

Ob. 1, 2

Cl. 1, 2

Bsn. 1, 2

Hns. 1, 3

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

23 *accel.*

Picc.

Fl. 1, 2

Ob. 1, 2

Cl. 1, 2

Bsn. 1, 2

Hns. 1, 3

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

*ff* *cresc.* *mf* *f*

*ff* *ff* *ff* *ff*

*ff*

hard felt mallets

(a2)

(a2)

27 **Allegro** (♩=c. 120)

Picc.

Fl. 1, 2

Ob. 1, 2

Cl. 1, 2

Bsn. 1, 2

Hns. 1, 3

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

27 **Allegro** (♩=c. 120)

Vln. I

Vln. II

Vla.

Vc.

Cb.

31

Picc.

Fl. 1,2

Ob. 1,2

Cl. 1,2

Bsn. 1,2

Hns. 1,3

Hns. 2,4

Tpt. 1

Tpt. 2,3

Tbn. 1,2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

31

Vln. I

Vln. II

Vla.

Vc.

Cb.

Detailed description: This page of a musical score contains measures 31 through 36. The score is arranged in two systems. The first system includes Piccolo, Flutes 1 and 2, Oboes 1 and 2, Clarinet 1 and 2, Bassoon 1 and 2, Horns 1, 3 and 2, 4, Trumpets 1 and 2, 3, Trombones 1, 2 and 3 (Tuba), Timpani, Percussion, and Piano. The second system includes Violin I, Violin II, Viola, Violoncello, and Contrabass. Measures 31 and 32 show initial entries for several instruments, including the Clarinet and Bassoon in the first system, and Horns, Trumpets, Trombones, and Tuba in the second system. Measures 33 through 36 feature a dense orchestral texture with many instruments playing active parts. Dynamics such as *f* (forte) are indicated for several instruments. The score is written in a key signature of two flats and a common time signature.

37

Picc. *ff*

Fl. 1, 2 *ff* *ffp*

Ob. 1, 2 *ff* *ffp*

Cl. 1, 2 *ff* *ffp*

Bsn. 1, 2 *ff* *ffp*

Hns. 1, 3 *tenuto* *fp*

Hns. 2, 4 *tenuto* *fp*

Tpt. 1 *tenuto* *fp*

Tpt. 2, 3 *tenuto*

Tbn. 1, 2 *tenuto*

Tbn. 3  
Tuba *tenuto*

Timp. *ff*

Perc.

Pno.

Vln. I *ff*

Vln. II *ff*

Vla. *ff*

Vc. *ff*

Cb. *ff*



49

Picc. *f*

Fl. 1,2 *f* *a2*

Ob. 1,2 *f*

Cl. 1,2 *f*

Bsn. 1,2 *f*

Hns. 1,3

Hns. 2,4

Tpt. 1 *f* *a2*

Tpt. 2,3 *mf* *f*

Tbn. 1,2

Tbn. 3 Tuba

Timp.

Perc. *f* Glockenspiel

Pno. *ff con fuoco*

Vln. I *f*

Vln. II *ff*

Vla. *ff*

Vc.

Cb.



55 *pp.*

Picc.

Fl. 1, 2

Ob. 1, 2

Cl. 1, 2

Bsn. 1, 2

Hns. 1, 3

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

*tenuto*

*tenuto*

*tenuto*

*tenuto*



66 *rit.* *a tempo*

Picc.

Fl. 1,2

Ob. 1,2

Cl. 1,2

Bsn. 1,2

Hns. 1,3

Hns. 2,4

Tpt. 1

Tpt. 2,3

Tbn. 1,2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

*dim.*

*p*

*mp espressivo*

*p*

*p dolce*

*p*

*pp*

*pp*

*Solo*

*mf espressivo*

Vibraphone (motor off)

72 *rit.* **Meno mosso** (♩=c. 80)

Picc.

Fl. 1,2

Ob. 1,2

Cl. 1,2

Bsn. 1,2

Hns. 1,3

Hns. 2,4

Tpt. 1

Tpt. 2,3

Tbn. 1,2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

*rit.* **Meno mosso** (♩=c. 80)

Vln. I

Vln. II

Vla.

Vc.

Cb.

*mp*

*pp*

*pp*

*mp*

*p*

*Solo*  
*mf espressivo*

*pp*

*pp*

*pp*

*Tutti*

78

Picc.

Fl. 1, 2

Ob. 1, 2

Cl. 1, 2

Bsn. 1, 2

Hns. 1, 3

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.

Perc. (Vibe.)

Pno.

78

Vln. I

Vln. II

Vla.

Vc.

Cb.

1.

*mp*

*mf*

*p*

*mf*

(1.)

*mp*

*mf*

*p*

*mf*

(1.)

*mp*

*cresc.*

*mf*

*cresc.*

*mf*

(Vibe.)

*mp*

*mf*

*p*

*ppp.*

*mp*

*mf*

*mf*

*cresc.*

*cresc.*

*mf*

*mf*

Tutti



*rit. poco a poco*

90

Picc.

Fl. 1, 2

Ob. 1, 2 <sup>a2</sup>

Cl. 1, 2

Bsn. 1, 2

Hns. 1, 3 <sup>1.</sup>

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.

Perc. <sup>(Vibe.)</sup>

Pno.

*rit. poco a poco*

(S<sup>no</sup>)

90

Vln. I

Vln. II

Vla.

Vc.

Cb.

**più ritard**

95

Picc.

Fl. 1, 2  
*p*

Ob. 1, 2  
*p*

Cl. 1, 2  
*p*

Bsn. 1, 2

Hns. 1, 3  
*p*

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.

Perc.  
*mp* *p dolce*  
8va

Pno.  
*p dolce* *p dolce*  
con Ped.

**più ritard**

95

Vln. I  
*p* *espress.*

Vln. II  
*p* *espress.*

Vla.  
*p* *espress.*

Vc.  
*p*

Cb.  
*p*



100

Picc.

Fl. 1,2

Ob. 1,2  
*mp* *espress.*

Cl. 1,2  
*mf*

Bsn. 1,2

Hns. 1,3

Hns. 2,4

Tpt. 1

Tpt. 2,3

Tbn. 1,2

Tbn. 3  
Tuba

Timp.

Perc. *to Small Suspended Cymbal*

Pno. (Sop)

Vln. I  
*pp*

Vln. II  
*pp*

Vla.  
*pp*

Ve.  
*pp*

Cb.

104 *Andante* (♩=c. 60)

Picc.

Fl. 1, 2

Ob. 1, 2

Cl. 1, 2

Bsn. 1, 2

Hns. 1, 3

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

*mp*

*pp*

*mf*

*p*

*mf*

*mf*

*mf*

*pp*

110

Picc.

FL 1,2

Ob. 1,2

Cl. 1,2

Bsn. 1,2

Hns. 1,3

Hns. 2,4

Tpt. 1

Tpt. 2,3

Tbn. 1,2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

110

Vln. I

Vln. II

Vla.

Vc.

Cb.

Musical score for orchestra, measures 110-114. The score is divided into two systems. The top system includes Piccolo (Picc.), Flutes 1 & 2 (FL 1,2), Oboes 1 & 2 (Ob. 1,2), Clarinets 1 & 2 (Cl. 1,2), Bassoons 1 & 2 (Bsn. 1,2), Horns 1, 3 & 2, 4 (Hns. 1,3 and Hns. 2,4), Trumpets 1 and 2, 3 (Tpt. 1, 2, 3), Trombones 1, 2 and 3/Tuba (Tbn. 1,2, 3), Timpani (Timp.), Percussion (Perc.), and Piano (Pno.). The bottom system includes Violins I and II (Vln. I, Vln. II), Viola (Vla.), Cello (Vc.), and Double Bass (Cb.). Measure 110 is marked with a first ending bracket (1.) and dynamic markings *mf* and *p*. Measure 111 features a crescendo (*cresc.*) and *mf*. Measure 112 includes an *a2* marking. Measure 113 has a second ending bracket (2.) and *mf*. Measure 114 includes an *a2* marking and *mf*.

Picc.

Fl. 1, 2  
cresc. *f* cresc.

Ob. 1, 2  
cresc. *f* (a2) cresc.

Cl. 1, 2  
cresc. *f* cresc.

Bsn. 1, 2  
cresc. *f* cresc.

Hns. 1, 3  
cresc. *f* cresc.

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.  
medium mallets II.  
*mp* *mf* *p*

Perc.  
(Sus. Cym.)  
*p* *mf*

Pno.

Vln. I  
cresc. *f* cresc. *Sus.*

Vln. II  
cresc. *f* cresc.

Vla.  
cresc. *f* cresc.

Ve.  
cresc. *f* cresc.

Cb.  
cresc. *f* cresc.

120 *rit.* *a tempo*

**Woodwinds:**  
Picc.: *mf* *cresc.* *ff*  
Fl. 1, 2: *mf* *cresc.* *ff*  
Ob. 1, 2: *mf* *cresc.* *ff*  
Cl. 1, 2: *mf* *cresc.* *ff*  
Bsn. 1, 2: *mf* *cresc.* *ff*

**Brass:**  
Hns. 1, 3: *mf* *cresc.* *ff*  
Hns. 2, 4: *mf* *cresc.* *ff*  
Tpt. 1: *mf* *cresc.* *f*  
Tpt. 2, 3: *mf* *cresc.* *f*  
Tbn. 1, 2: *mf* *cresc.* *f*  
Tbn. 3 (Tuba): *mf* *cresc.* *f*

**Percussion:**  
Timp.: *fp* *mf* *fmf* *mp*  
Perc.: *p* *mf* *ff* (Sus. Cym.) to Glockenspiel

**Strings:**  
Vln. I: *mf* *cresc.* *ff*  
Vln. II: *mf* *cresc.* *ff*  
Vla.: *mf* *cresc.* *ff*  
Vc.: *mf* *cresc.* *ff*  
Cb.: *mf* *cresc.* *ff*

Picc.

Fl. 1,2

Ob. 1,2

Cl. 1,2

Bsn. 1,2

Hns. 1,3

Hns. 2,4

Tpt. 1

Tpt. 2,3

Tbn. 1,2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

III, E, D, IV, A, G, to hard mallets

125

*rit.*

Vln. I

Vln. II

Vla.

Vc.

Cb.

130 *a tempo*

Picc.

Fl. 1, 2

Ob. 1, 2

Cl. 1, 2

Bsn. 1, 2

Hns. 1, 3

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

Detailed description: This block contains the musical score for woodwinds and brass instruments. The Piccolo part is silent. Flute 1 and 2, Oboe 1 and 2, and Clarinet 1 and 2 all have melodic lines starting in measure 4. Flute 1 and 2, Oboe 1 and 2, and Clarinet 1 and 2 have dynamics of *mp* in measure 4, *mf* in measure 5, and *f* in measure 6. Bassoon 1 and 2 are silent until measure 5, where they play a rhythmic pattern with dynamics of *p* in measure 5 and *f* in measure 6. Horns 1, 3, 2, and 4 are silent. Trumpets 1, 2, and 3, and Trombones 1, 2, and 3 (including Tuba) are silent. Timpani and Percussion are silent. Piano is silent.

130 *a tempo*

Vln. I

Vln. II

Vla.

Vc.

Cb.

Detailed description: This block contains the musical score for string instruments. Violin I and Violin II are silent. Viola has a melodic line starting in measure 4 with dynamics of *pp* in measure 4, *mp* in measure 5, and *pp* in measure 6. Violoncello and Contrabass both have rhythmic patterns starting in measure 4 with dynamics of *p* in measure 4 and *pp* in measure 6.

135 *accel.*

Picc. *fp* *fp* *fp* *ff*

Fl. 1, 2 *ff*

Ob. 1, 2 *ff*

Cl. 1, 2

Bsn. 1, 2 *f* a2

Hns. 1, 3 *ffmf* a2

Hns. 2, 4 *ffmf* a2

Tpt. 1 *fp*

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3 Tuba *fp* *fp*

Timp. *fp*

Perc. (Glock.) *f* *mf*

Pno.

135 *accel.*

Vln. I *f* *f* *f* *f*

Vln. II *f* *f* *f* *f* div.

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

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

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



140 **Allegro** (♩=c. 120)

Picc.

Fl. 1, 2

Ob. 1, 2

Cl. 1, 2

Bsn. 1, 2

Hns. 1, 3

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

140 **Allegro** (♩=c. 120)

Vln. I

Vln. II

Vla.

Vc.

Cb.



150

Picc. *ff* *ffp*

Fl. 1, 2 *ff* *ffp*

Ob. 1, 2 *ff* *ffp*

Cl. 1, 2 *ff* *ffp*

Bsn. 1, 2 *ff* *ffp*

Hns. 1, 3 *tenuto* *fp*

Hns. 2, 4 *tenuto* *fp*

Tpt. 1 *tenuto* *fp*

Tpt. 2, 3 *tenuto*

Tbn. 1, 2

Tbn. 3  
Tuba

Timp. *ff*

Perc. *f* *ff*

Pno.

150

Vln. I

Vln. II

Vla.

Vc.

Cb.

Detailed description: This page of a musical score, numbered 32, covers measures 150 to 154. The score is arranged in two systems. The first system includes Piccolo, Flutes 1 and 2, Oboes 1 and 2, Clarinets 1 and 2, Bassoons 1 and 2, Horns 1, 3 and 2, 4, Trumpets 1, 2, 3, Trombones 1, 2 and 3/Tuba, Timpani, Percussion, and Piano. The second system includes Violins I and II, Viola, Violoncello, and Contrabass. The key signature has one sharp (F#), and the time signature is 3/4. Dynamics range from *ff* (fortissimo) to *ffp* (fortissimissimo) and *fp* (fortissimo piano). Performance markings include *tenuto* (sustained) and *ff* (fortissimo). The Piccolo part is mostly silent, with a final measure. The woodwinds and brass play melodic and harmonic lines, with some instruments marked *tenuto*. The percussion features a rhythmic pattern starting in measure 152. The strings provide a harmonic foundation, with the cello and contrabass playing a steady bass line.

155

Picc.  $f$   $pp$

Fl. 1, 2  $f$   $pp$

Ob. 1, 2  $f$   $pp$

Cl. 1, 2  $ff$

Bsn. 1, 2  $ff$

Hns. 1, 3 (a2)  $ff$

Hns. 2, 4 (a2)  $ff$

Tpt. 1  $f$   $a2$

Tpt. 2, 3 (a2)  $f$   $mf$

Tbn. 1, 2 (a2)  $f$

Tbn. 3 (a2)  $f$

Tuba

Timp.  $fp$   $mf$   $ff$  III. D<sub>3</sub>1F IV. G<sub>3</sub>1A<sub>6</sub>

Perc.  $p$   $mf$   $ff$  to Glockenspiel

Pno.  $ff$  con fuoco

Vln. I  $ffmf$   $ff$   $f$   $pp$

Vln. II  $ffmf$   $ff$

Vla.  $ffmf$   $ff$

Vc.  $ffmf$   $ff$

Cb.  $ffmf$   $ff$

160

Picc.

Fl. 1, 2

Ob. 1, 2

Cl. 1, 2

Bsn. 1, 2

Hns. 1, 3

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

*f*

165

Picc.

Fl. 1, 2

Ob. 1, 2 (a2)

Cl. 1, 2

Bsn. 1, 2

Hns. 1, 3

Hns. 2, 4

Tpt. 1

Tpt. 2, 3

Tbn. 1, 2

Tbn. 3  
Tuba

Timp.

Perc. (Glock.)  
*f*

Pno.

165

Vln. I

Vln. II

Vla.

Vc.

Cb.

170 *accel.*

The score is divided into two systems. The first system includes Piccolo, Flute 1 & 2, Oboe 1 & 2, Clarinet 1 & 2, Bassoon 1 & 2, Horns 1, 3 and 2, 4, Trumpets 1 and 2, 3, Trombones 1, 2 and 3, Tuba, Timpani, Percussion, and Piano. The second system includes Violin I & II, Viola, Violoncello, and Contrabass. The score features various dynamics such as *fp*, *f*, *ff*, *mf*, and *ff*, along with performance instructions like *tenuto*, *accel.*, and *(Glock.)*. The key signature is one sharp (F#) and the time signature is 4/4. The Piccolo part starts with a *fp* dynamic and moves to *f* and *ff*. The Flute and Oboe parts have a *fp* dynamic and move to *f* and *ff*. The Clarinet and Bassoon parts have a *fp* dynamic and move to *f* and *mf*. The Horns, Trumpets, and Trombones parts have a *f* dynamic and move to *fp* and *f*. The Tuba part has a *f* dynamic and moves to *fp*. The Timpani part has a *ff* dynamic. The Percussion part has a *f* dynamic. The Piano part has a *f* dynamic. The Violin I & II parts have a *ff* dynamic. The Viola, Violoncello, and Contrabass parts have a *ff* dynamic.

**Vivace** (♩ = c. 132)

175

Picc. *tenuto*

Fl. 1,2 *tenuto*

Ob. 1,2 (a2) *ff* *tenuto*

Cl. 1,2 (a2) *ff* *tenuto*

Bsn. 1,2 a2 *ff* *tenuto*

Hns. 1,3 *ff* *tenuto*

Hns. 2,4

Tpt. 1

Tpt. 2,3

Tbn. 1,2

Tbn. 3 Tuba

Timp.

Perc. *to Xylophone (4 hard mallets)*

Pno.

Vln. I 175 *tenuto*

Vln. II *tenuto*

Vla. *tenuto*

Vc. *ff* *tenuto*

Cb. *ff* *tenuto*



180

Picc.

Fl. 1,2

Ob. 1,2

Cl. 1,2

Bsn. 1,2

Hns. 1,3

Hns. 2,4

Tpt. 1

Tpt. 2,3

Tbn. 1,2

Tbn. 3  
Tuba

Timp.

Perc.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

*f* *mf* *ff* *sostenuto* *a2*

185

Picc. *ff*

Fl. 1,2 *ff*

Ob. 1,2 *ff*

Cl. 1,2 *ff*

Bsn. 1,2 *ff*

Hns. 1,3 *ff* tenuto *a2*

Hns. 2,4 *ff* tenuto *a2*

Tpt. 1 *ff* tenuto *a2*

Tpt. 2,3 *ff* tenuto *a2*

Tbn. 1,2 *ff* tenuto *f*

Tbn. 3 Tuba *ff* *f*

Timp. *ff*

Perc. (Xyl) *f*

Pno. *ff*

Vln. I *ff*

Vln. II *ff*

Vla. *ff*

Vc. *ff*

Cb. *ff*

190

The musical score consists of 26 staves for various instruments, arranged in two systems. The first system includes Piccolo (Picc.), Flute 1 & 2 (Fl. 1,2), Oboe 1 & 2 (Ob. 1,2), Clarinet 1 & 2 (Cl. 1,2), Bassoon 1 & 2 (Bsn. 1,2), Horns 1,3 (Hns. 1,3) and 2,4 (Hns. 2,4), Trumpets 1 (Tpt. 1) and 2,3 (Tpt. 2,3), Trombones 1 & 2 (Tbn. 1,2) and 3 (Tbn. 3 Tuba), Timpani (Timp.), Percussion (Perc.), and Piano (Pno.). The second system includes Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), Violoncello (Vc.), and Contrabass (Cb.). The score is written in a key with one flat (B-flat major or D minor) and 2/4 time. The first system begins with measure 190. Dynamics include *ff* (fortissimo), *mf* (mezzo-forte), and *f* (forte). Performance markings include *viv* (vivace) and *Sw* (swell). The Piccolo part has a *mf* dynamic at the start of measure 192. The Horns 1,3 and 2,4 parts have *ff* dynamics in measures 190 and 192, and *mf* dynamics in measures 191 and 193. The Trumpets 1 and 2,3 parts have *ff* dynamics in measures 190 and 192, and *mf* dynamics in measures 191 and 193. The Trombones 1,2 and 3 parts have *ff* dynamics in measures 190 and 192, and *mf* dynamics in measures 191 and 193. The Percussion part has a *f* dynamic in measure 192 and a *ff* dynamic in measure 194. The Piano part has a *f* dynamic in measure 192. The Violins I and II parts have *viv* markings. The Viola part has a *viv* marking. The Violoncello and Contrabass parts have *viv* markings.

Picc.

Fl. 1,2

Ob. 1,2

Cl. 1,2

Bsn. 1,2

Hns. 1,3

Hns. 2,4

Tpt. 1

Tpt. 2,3

Tbn. 1,2

Tbn. 3 Tuba

Timp.

Perc.

Pno.

Vln. I

Vln. II

Vla.

Vc.

Cb.

