

The Navigator

for percussion, harp, piano, violin and cello

**with visual accompaniment
by The Warp Whistle Project**

Paul Schuette

Instrumentation

Percussion

4 Resonant Metals

Drums -

- log (or slit) drum
- snare drum
- kick drum (18" or smaller)
- hi-hat
- suspended cymbal

Vibraphone (2 bows)

Harp

Piano (E-bow)

Violin

Cello

Duration: 25 minutes

This work was commissioned by Network for New Music

Performance Notes

Percussion -

Resonate metals can be Thai nipple gongs, almglocken, crotales, pot lids, handbells, etc. or a mixed assortment.

(roughly) pitched to:



- octave displacements which maintain this overall order from low to high are acceptable (lower octaves preferred)

- table / suspended issue

Drums

Snare Drum / Rim Shot Suspended Cymbal

Kick Drum Slit Drum Low / High Hi-hat

Log drum - pitches F/Bb (if available)

Visual Accompaniment -

At the premier performance of the work on Jan. 21, 2017 at the University of the Arts in Philadelphia, PA, a kinetic art installation was created to accompany the music. Subsequent performances of this piece can also be staged with the visual component as a video projection.

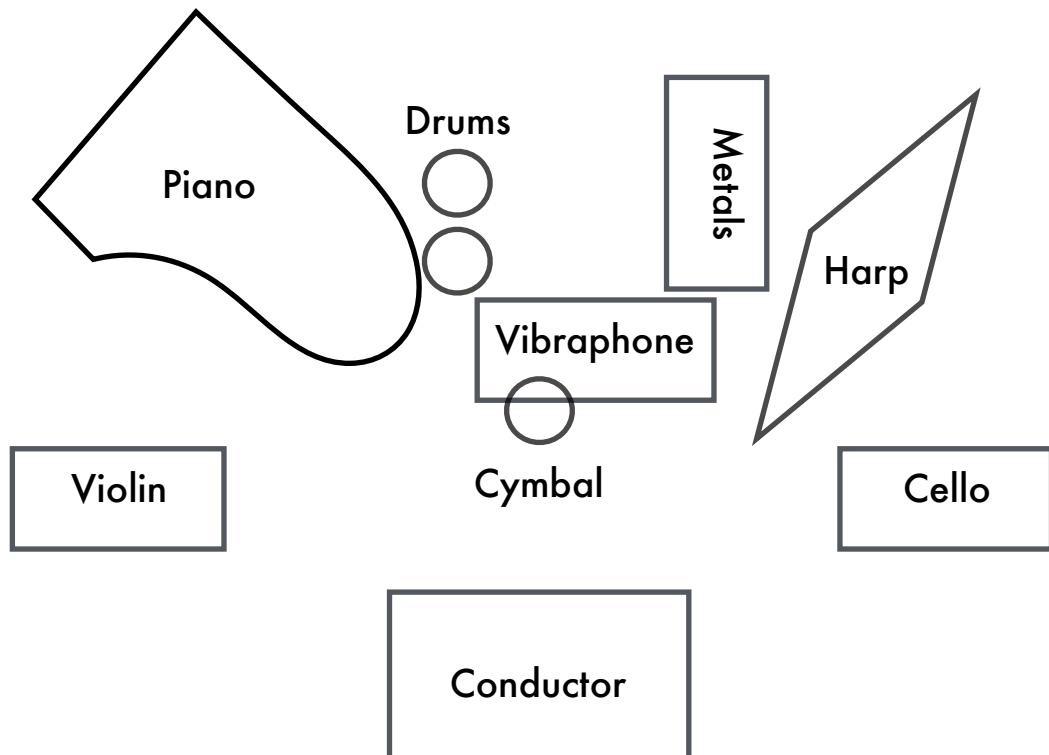
Please contact the composer at paul.w.schuette@gmail.com for details.

Conductor Click-track -

If the work is to be performed with the video component, the conductor must coordinate the production via a click-track. The audio on the .mov file contains the click-track. As notated in the music, each movement of the click track begins with an empty bar.

Stage Plot

Installation (or Video)



Program Notes

About the work

The Navigator is a hybrid work of art: a staged collision of sonic and visual information. The visual components are inspired by Asa Smith's 19th century astronomical illustrations: outdated planetary charts that served a didactic purpose for his readers. Additional source materials include 1950s science fiction stage sets, clock parts, and mythological scientific instruments. Tensions between the hand-made and the mechanical, illusion and artifice, and function and futility, positions The Navigator as an amalgamation of past representations of ideological futures. Similar to make-believe, the viewer is consumed by an experience on the verge of rupture.

As The Navigator performs its various functions, its true purpose remains enigmatic. While every journey has a destination, The Navigator's priority is the voyage. In "Wind Up", the music is energetic and intricate, influenced by strains of minimalism, yet the question of mechanical malfunction begins early on as kinks enter into the clockwork precision. "Unlock" is an hypnotic journey through nocturnal spaces - pointillistic starbursts of sound map a course out of the darkness and into the light. In the final leg, once a tenuous signal is established, The Navigator is ready to "Transmit" to its final destination.

In context

In day to day life, we put the material world to use: cars, coffee makers, and cell phones, to name a few. These objects are typically defined by the unique purpose they serve: cars take us places, coffee makers fuel the morning routine, and cellphones . . . do most of the rest. However, philosophers have argued that we never truly see these objects for what they actually are until they break. A broken cellphone no longer able to serve any of its myriad purposes, can be seen for what it truly is: a chocolate-bar-sized piece of glass and aluminum housing an intricate array of precious metals and circuit boards. Without a purpose, the object's techne is revealed.

Historically, art objects have served the purpose of glorifying the spiritual, entertaining the masses, and representing ideals of truth, beauty, and power. . In the early years of the 20th century, with the wheels of modernity in full swing, the purpose, appearance, and function of western art was set on a new course. No longer fixated on mimesis, artists began working in opposition to the dominant trend that art should copy nature. As The Navigator charts its own 21st century voyage, its destination remains a question and, in doing so, imparts something else about its true nature.

I. Windup

This work was commissioned by Network for New Music

Score

$\text{♩} = 88$, buoyant

Paul Schuette

* click track begins * performer's parts begin metals - muted on table

Metals Drums Vibraphone

medium mallets ³ snare ON

Harp Piano

L.V. cluster * pitch range approx.
hit strings with palm f pp

Piano

cluster (W/B) * not allowed to ring 8^{va} pp

Ped.

Violin Cello

ff * end of gliss. unarticulated ff * end of gliss. unarticulated

1 2 3 4

Metal Drum Vib.

ff³

Hp. Pno.

L.V. Pedal buzz 8^{va} f 8^{va}

Vln. Vc.

(V) (V) (V) (V) pp

ff ff ff ff pp

5 6 7 8 9

I. Windup

2

Musical score for orchestra and piano, page 10.

Metal: Rests throughout.

Drum: Rests throughout.

Vib.: Rests throughout.

Hp. (Bassoon):

- Measures 10-11: Rests.
- Measure 12: Dynamic *f*. Measures 13-14: Rests.
- Measure 15: Dynamic *ff*, dynamic *pp*, dynamic *ff* (marked ³).
- Measures 16-17: Rests.

Pno. (Piano):

- Measures 10-11: Rests.
- Measure 12: Dynamic *pp*.
- Measure 13: Dynamic *pp*, dynamic *simile z*, key signature change to F#-F#.
- Measure 14: Dynamic *z*, key signature change to G/G#.
- Measures 15-16: Rests.
- Measure 17: Dynamic *f*.

Vln. (Violin): Rests throughout.

Vc. (Cello): Rests throughout.



Musical score for orchestra and piano, page 15-18.

Musical Score:

- Metal:** Rests throughout the page.
- Drum:** Rests throughout the page.
- Vib.:** Rests throughout the page.
- Hp. (High Horn):** Dynamics: *f*, *pp*, *ff*. Articulation: accents, slurs.
- Pno. (Piano):** Dynamics: *p*, *f*, *pp*, *ff*. Articulation: accents, slurs, dynamic markings (*8va*, *Ped.*), key signature changes (F#/*F#*, *Z*).
- Vln. (Violin):** Dynamics: *pp*, *ff*. Articulation: bows, slurs, grace notes.
- Vc. (Cello):** Dynamics: *pp*, *ff*. Articulation: bows, slurs, grace notes.

Page Numbering: 15, 16, 17, 18.

I. Windup

3

Metal Drum Vib. Hp. Pno. Vln. Vc.

Metals play sustained notes. Drum plays eighth-note patterns. Vib. has sustained notes. Hp. and Pno. play eighth-note patterns. Vln. and Vc. play eighth-note patterns. Measures 21-22 show dynamic markings *ff*, *p*, *f*, *pp*. Measure 23 shows dynamic *f*.

L.V. 21 22 23

Metal Drum Vib. Hp. Pno. Vln. Vc.

Metals play eighth-note patterns. Drum plays eighth-note patterns. Vib. rests. Hp. and Pno. play eighth-note patterns. Vln. and Vc. play eighth-note patterns. Measures 24-25 show dynamic markings *ff*, *pp*, *f*, *ff*, *pp*, *ff*, *pp*, *ff*.

24 25

I. Windup

4

Musical score for orchestra and piano, page 28-31.

Musical Score:

- Metal:** Sticks, dynamic **f**.
- Drum:** Sticks, dynamic **f**.
- Vib.:** None.
- Hp.:** Treble clef, key signature C major (no sharps or flats). Measures 28-29: eighth-note patterns. Measure 30: dynamic **p**, notes C \sharp -C \sharp . Measure 31: notes F \sharp -F \sharp .
- Pno.:** Treble and bass staves. Measures 28-29: eighth-note patterns. Measure 30: dynamic **p**, dynamic **f**. Measure 31: dynamic **f**.
- Vln.:** Treble clef, dynamic **pp**. Measures 28-29: eighth-note patterns. Measure 30: dynamic **pizz.**, dynamic **f**. Measure 31: eighth-note patterns.
- Vc.:** Bass clef, dynamic **pp**. Measures 28-29: eighth-note patterns. Measure 30: dynamic **pizz.**, dynamic **f**. Measure 31: eighth-note patterns.

Page Numbering: 28, 29, 30, 31.



Musical score for orchestra and piano, page 32-34.

Instrumentation: Metal, Drum, Vib., H.p., Pno., Vln., Vc.

Measure 32: Metal (II), Drum, Vib. (rest), H.p. (L.V.), Pno. (8va), Vln. (rest), Vc. (rest).

Measure 33: Metal (II), Drum, Vib. (rest), H.p. (pp), Pno. (8va, pp), Vln. (rest), Vc. (rest).

Measure 34: Metal (II), Drum (ff), Vib. (rest), H.p. (ff), Pno. (ff), Vln. (ff, arco), Vc. (ff, pp).

I. Windup

5

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

38

A

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

39 40 41 42

I. Windup

6

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

ff > f >

L.V.

pp

8va

ff

8va

Ped.

arco

pizz.

ff

43

44

45

46

44

45

46



I. Windup

7

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

f > f

f

F# - F#
C - C#

f

f

ff pp
(#)

ff pp
(#)

ff pp
(#)

52



Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

f

C# - C#
p

p

p

ff pp
(#)

ff pp
(#)

pp pizz.
f

54

55

I. Windup

8

Musical score for orchestra and piano, measures 56-59.

Metal: Three eighth-note patterns followed by a rest.

Drum: Measures 56-58: Three eighth-note patterns followed by a rest. Measure 59: Rest.

Vib.: Rest throughout.

Hp. (measures 56-58): Rest throughout.

Pno. (measures 56-58): Eighth-note patterns. Measure 59: F#-F# L.V. (fortissimo) followed by eighth-note patterns with dynamic markings 8va and Ped.

Vln. (measures 56-58): Pizzicato eighth-note patterns. Measure 59: f dynamic followed by eighth-note patterns.

Vc. (measures 56-58): Eighth-note patterns. Measure 59: Rest.

56

57

58

59



Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

L.V.
Ped.

60

61

62

63

64

I. Windup

9

B

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

65 66 67 68 69 70



Musical score for measures 71 to 74, showing parts for Metal, Drum, Vib., Hp., Pno., Vln., and Vc.

Measure 71: Metal (percussion), Drum (percussion), Vib. (percussion), Hp. (percussion), Pno. (percussion), Vln. (percussion), Vc. (percussion).

Measure 72: Metal (percussion), Drum (percussion) *mf*, Vib. (percussion), Hp. (percussion), Pno. (percussion) *mf*, Vln. (percussion), Vc. (percussion).

Measure 73: Metal (percussion), Drum (percussion), Vib. (percussion), Hp. (percussion), Pno. (percussion), Vln. (percussion), Vc. (percussion).

Measure 74: Metal (percussion), Drum (percussion), Vib. (percussion), Hp. (percussion), Pno. (percussion) *p*, Vln. (percussion), Vc. (percussion) *p*.

I. Windup

Musical score for page 10, measures 75 to 78. The score includes parts for Metal, Drum, Vib., Hp., Pno., Vln., and Vc.

Measure 75: Metal (percussion) plays eighth-note patterns. Drum (percussion) plays eighth-note patterns. Vib. (vibraphone) rests. Hp. (double bass) plays eighth-note patterns. Pno. (piano) plays eighth-note patterns. Vln. (violin) plays eighth-note patterns. Vc. (cello) plays eighth-note patterns.

Measure 76: Metal (percussion) rests. Drum (percussion) rests. Vib. (vibraphone) rests. Hp. (double bass) plays eighth-note patterns. Pno. (piano) rests. Vln. (violin) rests. Vc. (cello) rests.

Measure 77: Metal (percussion) plays eighth-note patterns. Drum (percussion) plays eighth-note patterns. Vib. (vibraphone) rests. Hp. (double bass) plays eighth-note patterns. Pno. (piano) rests. Vln. (violin) plays eighth-note patterns. Vc. (cello) plays eighth-note patterns.

Measure 78: Metal (percussion) rests. Drum (percussion) plays eighth-note patterns. Vib. (vibraphone) rests. Hp. (double bass) plays eighth-note patterns. Pno. (piano) rests. Vln. (violin) rests. Vc. (cello) rests.



Musical score for orchestra and piano, page 10, measures 79-82.

Musical Instruments: Metal (Maracas), Drum (Snare), Vib., Hp. (Horn), Pno. (Piano), Vln. (Violin), Vc. (Cello).

Measure 79: Metal: -; Drum: eighth-note pattern; Vib.: -; Hp.: eighth-note pattern; Pno.: eighth-note pattern; Vln.: eighth-note pattern; Vc.: eighth-note pattern.

Measure 80: Metal: -; Drum: -; Vib.: -; Hp.: eighth-note pattern; Pno.: eighth-note pattern; Vln.: eighth-note pattern; Vc.: eighth-note pattern.

Measure 81: Metal: -; Drum: -; Vib.: -; Hp.: eighth-note pattern; Pno.: eighth-note pattern; Vln.: eighth-note pattern; Vc.: eighth-note pattern.

Measure 82: Metal: -; Drum: eighth-note pattern; Vib.: -; Hp.: eighth-note pattern; Pno.: eighth-note pattern; Vln.: eighth-note pattern; Vc.: eighth-note pattern.

I. Windup

11

Musical score for orchestra and piano, page 83-85.

Musical Instruments:

- Metal (percussion)
- Drum
- Vib.
- Hp. (Horn)
- Pno. (Piano)
- Vln. (Violin)
- Vc. (Cello)

Key Features:

- Measure 83:** Metal and Drum play eighth-note patterns. Vib. rests. Hp. and Pno. play eighth-note patterns. Vln. and Vc. play eighth-note patterns.
- Measure 84:** Metal and Drum play eighth-note patterns. Vib. rests. Hp. and Pno. play eighth-note patterns. Vln. and Vc. play eighth-note patterns.
- Measure 85:** Metal and Drum play eighth-note patterns. Vib. rests. Hp. and Pno. play eighth-note patterns. Vln. and Vc. play eighth-note patterns.

Dynamic Markings:

- p (pianissimo)
- ff (fortissimo)
- f (forte)
- ff (fortissimo)
- p ff (pianissimo fortissimo)
- p (pianissimo)
- f (forte)
- p f (pianissimo forte)
- p (pianissimo)
- f (forte)
- f (forte)

Performance Instructions:

- Upward and downward slurs on various notes.
- Accents on various notes.
- Trills on various notes.
- Grace notes on various notes.
- Articulation marks (dots) on various notes.



Musical score for orchestra and piano, page 86 to 88.

Musical Instruments:

- Metal:** High-pitched sustained notes with grace notes.
- Drum:** Sustained notes with dynamic markings *mf* and *ff*.
- Vib.:** Sustained note.
- Hp. (Horn):** Rapid sixteenth-note patterns with dynamic *ff* and a fermata.
- Pno. (Piano):** Sustained notes and eighth-note chords.
- Vln. (Violin):** Sixteenth-note patterns with dynamic *ff*.
- Vc. (Cello):** Sustained notes with dynamic *ff*.

Page 86: Measures 1-3. Metal, Drum, Vib., Hp., Pno., Vln., Vc.

Page 87: Measures 4-6. Metal, Drum, Vib., Hp., Pno., Vln., Vc.

Page 88: Measures 7-9. Metal, Drum, Vib., Hp., Pno., Vln., Vc.

I. Windup

12

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

89 90 91

C

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

92 93 94

I. Windup

Musical score for orchestra and piano, measures 95-97. The score includes parts for Metal (percussion), Drum, Vib., Hp. (double bassoon), Pno. (piano), Vln. (violin), and Vc. (cello). The piano part features a rhythmic pattern of eighth-note pairs and sixteenth-note pairs. The strings provide harmonic support with sustained notes and eighth-note patterns.



I. Windup

14

Musical score for orchestra and piano, measures 102-105.

Measure 102: Metal (percussion) plays eighth-note patterns. Drum (percussion) plays eighth-note patterns. Vib. (vibraphone) rests. Hp. (double bassoon) rests. Pno. (piano) rests. Vln. (violin) rests. Vc. (cello) rests.

Measure 103: Metal (percussion) rests. Drum (percussion) plays eighth-note patterns. Vib. (vibraphone) rests. Hp. (double bassoon) plays eighth-note patterns. Pno. (piano) plays eighth-note patterns. Vln. (violin) plays eighth-note patterns. Vc. (cello) plays eighth-note patterns.

Measure 104: Metal (percussion) rests. Drum (percussion) plays eighth-note patterns. Vib. (vibraphone) rests. Hp. (double bassoon) rests. Pno. (piano) rests. Vln. (violin) plays eighth-note patterns. Vc. (cello) plays eighth-note patterns.

Measure 105: Metal (percussion) rests. Drum (percussion) plays eighth-note patterns. Vib. (vibraphone) rests. Hp. (double bassoon) rests. Pno. (piano) rests. Vln. (violin) plays eighth-note patterns. Vc. (cello) plays eighth-note patterns.

102

103

104

105



Metal

Drum

vi

H-2

Pno.

✓In.

Vc.

Musical score page 10, measures 11-16. The score consists of six staves. Measures 11-12 show the first two violins playing eighth-note patterns, the cello providing harmonic support, and the bassoon and double basses resting. Measure 13 begins with a dynamic *ff*. Measures 14-15 show the first violin playing sixteenth-note patterns, with dynamics *v*, *v*, and *ff*. Measure 16 concludes with a dynamic *ff*.

106

107

ff 108

109

I. Windup

15

Musical score for orchestra and piano, measures 110-114.

Musical Instruments:

- Metal:** High-pitched rhythmic patterns.
- Drum:** Syncopated patterns.
- Vib.:** Sustained notes.
- Hp. (Horn):** Melodic line with dynamic markings: *(8va)*, *mf*, *ff*, *mf*.
- Pno. (Piano):** Melodic line with dynamic markings: *mf*, *ff*, *mf*.
- Vln. (Violin):** Melodic line with dynamic markings: *mf*, *ff*, *mf*.
- Vc. (Cello):** Sustained notes.

Measure 110: Metal (Rhythmic patterns), Drum (Syncopation), Vib. (Sustained note), Hp. (Rhythmic pattern), Pno. (Rhythmic pattern), Vln. (Rhythmic pattern), Vc. (Sustained note).

Measure 111: Metal (Rhythmic pattern), Drum (Syncopation), Vib. (Sustained note), Hp. (Rhythmic pattern), Pno. (Rhythmic pattern), Vln. (Rhythmic pattern), Vc. (Sustained note).

Measure 112: Metal (Rhythmic pattern), Drum (Syncopation), Vib. (Sustained note), Hp. (*mf*), Pno. (*mf*), Vln. (*mf*), Vc. (Sustained note).

Measure 113: Metal (Rhythmic pattern), Drum (Syncopation), Vib. (Sustained note), Hp. (Rhythmic pattern), Pno. (Rhythmic pattern), Vln. (Rhythmic pattern), Vc. (Sustained note).

Measure 114: Metal (Rhythmic pattern), Drum (Syncopation), Vib. (Sustained note), Hp. (*ff*), Pno. (*ff*), Vln. (*ff*), Vc. (Sustained note).



Musical score for orchestra and piano, measures 115-119.

The score includes parts for Metal (percussion), Drum, Vib., Hp. (double bassoon), Pno. (piano), Vln. (violin), and Vc. (cello).

Measure 115: Metal and Drum play eighth-note patterns. Vib. rests. Hp. and Pno. play eighth-note chords. Vln. and Vc. play eighth-note chords.

Measure 116: Metal and Drum play eighth-note patterns. Vib. rests. Hp. and Pno. play eighth-note chords. Vln. and Vc. play eighth-note chords.

Measure 117: The section begins with a dynamic of ***ff***. Metal plays eighth-note chords. Drum plays eighth-note patterns. Vib. rests. Hp. and Pno. play eighth-note chords. Vln. and Vc. play eighth-note chords.

Measure 118: Dynamic ***ff***. Metal plays eighth-note chords. Drum rests. Vib. rests. Hp. and Pno. play eighth-note chords. Vln. and Vc. play eighth-note chords.

Measure 119: Dynamic ***ff***. Metal plays eighth-note chords. Drum rests. Vib. rests. Hp. and Pno. play eighth-note chords. Vln. and Vc. play eighth-note chords.

I. Windup

16

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

8va

mf

ff

8va

mf

ff

ff

120 121 122 123 124 *ff* 125

==

==

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

ff

mf

ff

pp

mf

ff

8va

mf

ff

8va

mf

ff

126 127 128 *mf* 129 130

I. Windup

17

Metal Drum Vib. Hp. Pno. Vln. Vc.

ff 132 ff 132 ff 132 ff 132 ff 132 ff 132 ff 132

131 132 133 134 135 136 p

Metal Drum Vib. Hp. Pno. Vln. Vc.

pp 139 ff 139 pp 139 ff 139 pp 139 ff 139 ff 139

137 138 ff 139 140 pp 141 142 ff 143

I. Windup

18

Metal

Drum

Vib.

Hp. { *ff*

Pno. { *ff* A^b-A^h E^b-E^h B^b-B^h

Vln.

Vc.

144 145 146 147 148 149 150



Metal

Drum

Vib.

Hp. { *pp* *ff*

Pno. { *pp* *ff* p

Vln.

Vc.

151 152 *ff* 153 154 155 156 157

I. Windup

19

Metal Drum Vib.

Hp. Pno.

Vln. Vc.

158 ***ff*** 159 160 161 162 163 164 165 ***p***



Metal Drum Vib.

Hp. Pno.

Vln. Vc.

166 ***ff*** 167 168 169 170 171 172

II. Unlock

= 52, ancient metals - suspended ringing mallets L.V.

Metals
Drums
Vibraphone
Harp
Piano
Violin
Cello

motor off

* place E-bow on the strings (1/3) of the indicated pitch, as quietly as possible, approx. 8" from the hammer
then pluck middle string (2) and leave E-bow in place
E-bow in 'standard mode' (switch to the LEFT)

Ped. (down to rehearsal A)

1 2 3 4 5 6 7 8

Metals
Drum
Vib.
Hp.
Pno.
Vln.
Vc.

9 10 11 12 13 14 15 16

Metals Drum Vib. Hp. Pno. Vln. Vc.

17 18 19 20 21 22 23



Metals Drum Vib. Hp. Pno. Vln. Vc.

24 25 26 27 28

II. Unlock

Metals Drum Vib.

Hp. Pno.

Vln. Vc.

29 30 31 32



Metals Drum Vib.

Hp. Pno.

Vln. Vc.

33 34 35 36

II. Unlock

23

Metals

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

(Ped.)

- remove E-bow

ppp

ppp

ppp



A

Metals II

rattan

Drum

Vib.

Hp.

Pno. pp

Vln. pizz. p

Vc. p

II. Unlock

24

* when open, a ***ff*** hit causes top and bottom cymbals to interact

Musical score for page 24. The score includes parts for Metals, Drum, Vib., Hp., Pno., Vln., and Vc. The score shows various musical markings such as dynamic changes (e.g., ***ff***, ***pp***, ***p***) and performance instructions (e.g., "mallets", "rattan"). The piano part has a dynamic of ***pp*** followed by ***p***. The violin part has a dynamic of ***p***.

43

44

45



Musical score for page 46. The score includes parts for Metals, Drum, Vib., Hp., Pno., Vln., and Vc. The score shows various musical markings such as dynamic changes (e.g., ***pp***, ***ff***, ***p***) and performance instructions (e.g., "rattan"). The piano part has dynamics of ***pp*** and ***ff***. The violin part has a dynamic of ***p***.

46

47

ff

II. Unlock

25

* cymbal scrape - lightly circle the cymbal with the rattan end of the mallet

Metals | | |

Drum | | |

Vib. | | |

Hp. | | |

Pno. | | |

Vln. | | |

Vc. | | |

48 49 50

Metals | | |

Drum | | |

Vib. | | |

Hp. | | |

Pno. | | |

Vln. | | |

Vc. | | |

51 52

II. Unlock

Metals ||

Drum > 3 > 3

Vib.

Hp.

Pno. {

Vln.

Vc.

53

54

Metals ||

Drum -

Vib.

Hp.

Pno. {

Vln.

Vc.

56

ff

55

Metals Drum Vib. Hp. Pno. Vln. Vc.

This musical score page contains seven staves for different instruments: Metals, Drum, Vib., Hp., Pno., Vln., and Vc. The score is divided into three measures: measure 57, measure 58, and measure 59. Measure 57 starts with a rest for Metals, followed by a dynamic ff. Measure 58 begins with a dynamic pp. Measure 59 concludes with a dynamic pp. Various performance techniques are indicated throughout the score, such as grace notes, slurs, and dynamic markings like ff and pp.

57 58 59

Metals Drum Vib. Hp. Pno. Vln. Vc.

This musical score page contains seven staves for different instruments: Metals, Drum, Vib., Hp., Pno., Vln., and Vc. The score is divided into two measures: measure 60 and measure 61. Measure 60 features a dynamic p. Measure 61 begins with a dynamic ff. Various performance techniques are indicated throughout the score, such as grace notes, slurs, and dynamic markings like ff and p.

60 61

II. Unlock

Metals

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

The musical score consists of seven staves. The top three staves (Metals, Drum, Vib.) are mostly silent. The fourth staff (Hp.) has a sustained note from measure 62. The fifth staff (Pno.) starts with a dynamic ff, followed by a piano dynamic pp. The Pedal (Ped.) is sustained from measure 62. The sixth staff (Vln.) has a dynamic pp. The bottom two staves (Vc.) have a dynamic pp.

Metals Drum Vib. Hp. Pno. Vln. Vc.

ff

Ped.

66 67

B

Metals Drum Vib. Hp. Pno. Vln. Vc.

p

ff *Ped.* (down to rehearsal C)

L.V. p

* - E-bow, simile

Ped. (down to rehearsal C) arco harmonic gliss. sul E

f arco *pp* artificial harmonic gliss. sul A

f *pp*

68

* 'Seagull effect' - set and maintain the indicated interval while glissing downwards begin as high as possible on the indicated string, end as low as possible

II. Unlock

30

Metals

Drum

Vib.

Hp.

Pno.

Vln. sul A sul D sul G

Vc. sul D sul G sul C



Metals

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

Metals Drum Vib. Hp. Pno. Vln. Vc.

This musical score page contains seven staves. The first two staves are blank. The third staff (Vib.) starts with eighth-note pairs followed by sixteenth-note pairs, with a dynamic marking *mf*. The fourth staff (Hp.) consists of eighth-note pairs. The fifth staff (Pno.) has a dynamic *mf* and includes a bass staff below it. The sixth staff (Vln.) and seventh staff (Vc.) both feature sixteenth-note patterns. Measure numbers 85, 86, and 87 are centered under their respective staves.

85 86 87

Metals Drum Vib. Hp. Pno. Vln. Vc.

This musical score page contains seven staves. The first two staves are blank. The third staff (Vib.) features eighth-note pairs with slurs. The fourth staff (Hp.) has eighth-note pairs with a dynamic *mf*. The fifth staff (Pno.) shows eighth-note pairs. The sixth staff (Vln.) and seventh staff (Vc.) show sixteenth-note patterns. Measure numbers 88, 89, and 90 are centered under their respective staves, with a dynamic *f* at the end of measure 90.

88 89 90

II. Unlock

Metals Drum Vib. Hp. Pno. Vln. Vc.

Metals
Drum
Vib.
Hp.
Pno.
Vln.
Vc.

Measure 91: Vib. and Pno. play eighth-note patterns. Hp. has a sustained note. Dynamic: *f*.
Measure 92: Vib. and Pno. continue their eighth-note patterns. Hp. has a sustained note. Dynamic: *f*.
Measure 93: Vib. and Pno. continue their eighth-note patterns. Hp. has a sustained note. Dynamic: *ff*.

91 92 93

Metals Drum Vib. Hp. Pno. Vln. Vc.

Metals
Drum
Vib.
Hp.
Pno.
Vln.
Vc.

Measure 94: Vib. and Pno. play eighth-note patterns. Hp. has a sustained note. Dynamic: *ff*.
Measure 95: Vib. and Pno. play eighth-note patterns. Hp. has a sustained note. Dynamic: *(Ped.) fff*.
Measure 96: Vib. and Pno. play eighth-note patterns. Hp. has a sustained note. Dynamic: *(Ped.) fff*.
Measure 97: Vib. and Pno. play eighth-note patterns. Hp. has a sustained note. Dynamic: *fff*.

94 95 96

II. Unlock

Metals

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

This musical score page shows a section for orchestra and piano across six staves. The instruments are: Metals (percussion), Drum (percussion), Vib. (vibraphone), Hp. (harp), Pno. (piano), Vln. (violin), and Vc. (cello). The score includes measure numbers 97 through 102. Measure 97: Metals rest, Drum rests, Vib. rests, Hp. rests, Pno. rests, Vln. rests, Vc. rests. Measure 98: Metals rest, Drum rests, Vib. eighth-note pattern (pp dynamic), Hp. eighth-note pattern (p dynamic, Ped. instruction), Pno. eighth-note pattern (p dynamic, Ped. instruction), Vln. eighth-note pattern (p dynamic), Vc. eighth-note pattern (p dynamic). Measure 99: Metals rest, Drum rests, Vib. eighth-note pattern (p dynamic, Ped. instruction), Hp. rests, Pno. eighth-note pattern (p dynamic, Ped. instruction), Vln. eighth-note pattern (p dynamic), Vc. eighth-note pattern (p dynamic). Measure 100: Metals rest, Drum rests, Vib. eighth-note pattern (p dynamic, Ped. instruction), Hp. rests, Pno. eighth-note pattern (p dynamic, Ped. instruction), Vln. eighth-note pattern (p dynamic), Vc. eighth-note pattern (p dynamic). Measure 101: Metals rest, Drum rests, Vib. rests, Hp. rests, Pno. eighth-note pattern (p dynamic, Ped. instruction), Vln. eighth-note pattern (p dynamic), Vc. eighth-note pattern (p dynamic). Measure 102: Metals rest, Drum rests, Vib. rests, Hp. rests, Pno. eighth-note pattern (p dynamic, Ped. instruction), Vln. eighth-note pattern (p dynamic), Vc. eighth-note pattern (p dynamic).



Musical score for orchestra and piano, measures 103-106. The score includes parts for Metals, Drum, Vib., Hp., Pno., Vln., and Vc. The piano part features complex arpeggiated patterns with dynamic markings *p* and *Ped.*. The strings play sustained notes with dynamic *p*. Measure 106 includes a dynamic *p* and a wavy line above the staff.

II. Unlock

D

Metals Drum Vib. Hp. Pno. Vln. Vc.

107 108 109 110



Metals Drum Vib. Hp. Pno. Vln. Vc.

111 112

Musical score for orchestra and piano, page 10, measures 11-12.

The score consists of eight staves:

- Metals**: Stave 1, treble clef, no key signature.
- Drum**: Stave 2, bass clef, no key signature.
- Vib.**: Stave 3, treble clef, no key signature.
- Hp.**: Stave 4, treble clef, key signature of two sharps.
- Pno.**: Stave 5, treble clef, key signature of one sharp.
- Vln.**: Stave 6, treble clef, key signature of one sharp.
- Vc.**: Stave 7, bass clef, key signature of one sharp.

Measure 11 (Measures 1-10):
Metals: Rest.
Drum: Rest.
Vib.: Rest.
Hp.: Rest.
Pno.: Rest.
Vln.: Rest.
Vc.: Rest.

Measure 12 (Measures 11-12):
Metals: Rest.
Drum: Rest.
Vib.: Rest.
Hp.: Rest.
Pno.: Rest.
Vln.: Rest.
Vc.: Rest.

113

114

Metals
 Drum
 Vib.
 Hp.
 Pno.
 Vln.
 Vc.

ff 115

115

116

II. Unlock

36

Metals ||

Drum - - - - -

Vib. ○ 2 ○ 2 ○ 2

Hp. ff

Pno. { 3 ff Ped.

Vln. 3

Vc. 3

117

118



Metals ||

Drum ○ 2 ○ 2 ○ 2 ○ 2 ○ 2

Vib. - - - - -

Hp. 3

Pno. ff

Vln. - - - - -

Vc. - - - - -

119

120

Metals Drum Vib. Hp. Pno. Vln. Vc.

121

122

Metals Drum Vib. Hp. Pno. Vln. Vc.

123

124

II. Unlock

38

Metals ||

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

125

ff 126



Metals ||

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

p ff

f

127

128

II. Unlock

E

Metals

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

* allow the lowest strings to rattle against each other

'Thunder gliss.'

* forearm cluster
BLACK KEYS ONLY

arco
sul pont.

arco
sul pont.

ff

ff

129

130

II. Unlock

Metals Drum Vib. Hp. Pno. Vln. Vc.

This section contains seven staves. The first three staves (Metals, Drum, Vib.) have single-line staves. The remaining four staves (Hp., Pno., Vln., Vc.) are grouped by a brace and have two-line staves. Measure 135: Vib. has a single note with a fermata. Measure 136: Vib. has a dynamic *fff*. Measure 137: Vib. has a dynamic *mf* and a pedal marking (*Ped.*). Measure 138: Vib. has a dynamic *p*. The *L.V.* (Legato Virtuoso) instruction appears above the Hp. staff in measure 136.

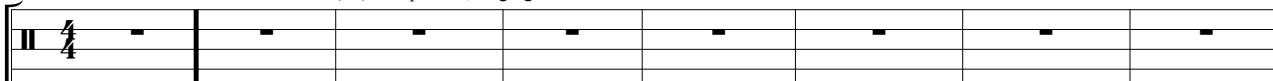
135 136 137 138

Metals Drum Vib. Hp. Pno. Vln. Vc.

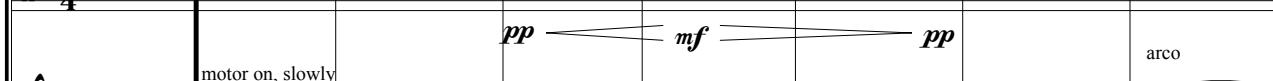
This section contains seven staves. The first three staves (Metals, Drum, Vib.) have single-line staves. The remaining four staves (Hp., Pno., Vln., Vc.) are grouped by a brace and have two-line staves. Measure 139: Vib. has a dynamic *mf*. Measure 140: Vib. has a dynamic *pp*. Measure 141: Vib. has a dynamic *pp*. Measure 142: Vib. has a dynamic *pp*. The *L.V.* (Legato Virtuoso) instruction appears above the Hp. staff in measure 140. Pedal markings (*Ped.*) are present under the Hp. and Pno. staves in measures 139, 140, 141, and 142.

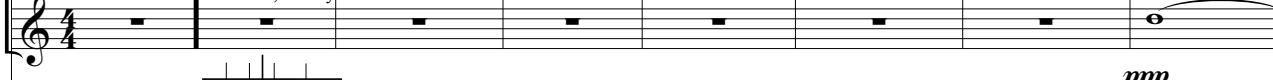
139 140 141 142

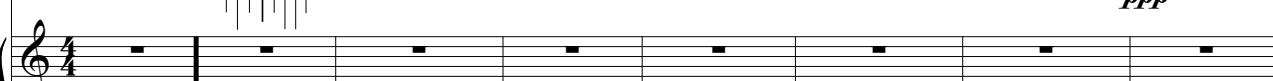
III. Transmit

Metals 

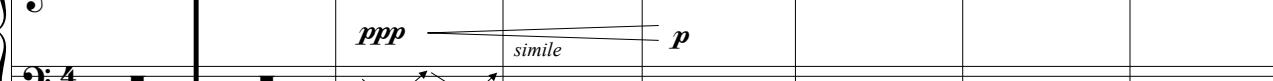
Drums 

Vibraphone 

Harp 

Piano 

*8va** rub both hands on the lowest strings in a circular pattern

Violin 

Cello 

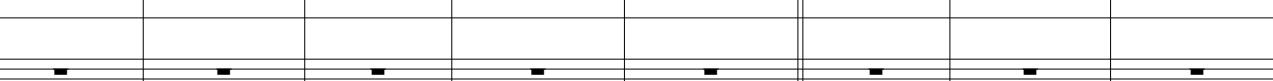
* on each crescendo, hover around the indicated 'harmonic node' on String I to add a little natural harmonic pitch to the sound - bowing is continuous

Ped.

* attempt to transition to ord. pitch seamlessly 

5 **6** **7**

Note: * 'Air Noise' - mute the indicated strings with the L.H. create a 'white noise' effect by applying light bow pressure

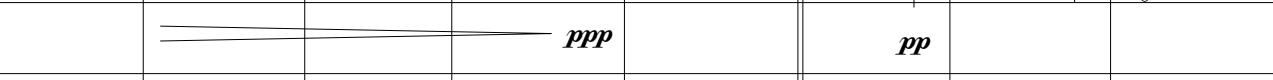
Metal 

Drum 

Vib. 

Hp. 

(8va)

Pno. 

Vln. 

Vc. 

8 **9** **10** **11** **12** **13** **14** **15**

III. Transmit

Metal Drum Vib. Hp. Pno. Vln. Vc.

16 17 18 19 20 21 22 23

simile *8va* Ped.

ppp *ppp* *p* *ppp*



A

Metal Drum Vib. Hp. Pno. Vln. Vc.

24 25 26 27 28 29

ppp *p* *ppp* *p* *ppp* *p*

(8va)

Ped. *Ped.*

p *ppp* *p* *ppp* *p*

Musical score for orchestra and piano, measures 30-37.

Musical Instruments:

- Metal:** Stopped notes on measures 30-35, then *arco* on measure 36.
- Drum:** Stopped notes on measures 30-35, then dynamic *pp* on measure 36 followed by *mf*.
- Vib. (Vibraphone):** Sustained notes on measures 30-35, then dynamic *ppp* on measure 36.
- Hp. (Horn):** Notes with grace marks on measures 30-35, then dynamic *simile ppp* on measure 36 followed by dynamic *p*.
- Pno. (Piano):** Notes with grace marks on measures 30-35, then dynamic *ppp* on measure 36.
- Vln. (Violin):** Notes with grace marks on measures 30-35, then dynamic *ppp* on measure 36.
- Vc. (Cello):** Notes with grace marks on measures 30-35, then dynamic *ppp* on measure 36.

Performance Instructions:

- Ped.* Pedal sustained through measure 36.
- 8va*: Octave shift indicated between measures 35 and 36.



Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

This musical score page contains seven staves for different instruments: Metal, Drum, Vib., Hp., Pno., Vln., and Vc. The score is divided into measures numbered 38 through 45. The instrumentation includes a metallophone (Metal), a snare drum (Drum), a vibraphone (Vib.), a harp (Hp.), a piano (Pno.), a violin (Vln.), and a cello (Vc.). The score features various dynamics such as *p*, *pp*, and *mf*. Measure 38 starts with a rest for Metal and Drum, followed by Vib., Hp., and Pno. Measure 39 begins with a dynamic of *pp* for the Vibraphone. Measure 40 shows a dynamic of *ppp* for the Vibraphone and *p* for the Piano. Measure 41 features a dynamic of *mf* for the Piano. Measures 42 and 43 show a dynamic of *Ped.* (pedal) under the piano staff. Measure 44 includes a dynamic of *p* for the Cello. Measure 45 concludes with a dynamic of *ppp* for the Cello. The score also includes measure numbers 38 through 45 at the bottom of the page.

III. Transmit

Metal Drum Vib. Hp. Pno. Vln. Vc.

Measure 46: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 47: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 48: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 49: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 50: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 51: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 52: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 53: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 54: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 55: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 56: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 57: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 58: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 59: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 60: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 61: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 62: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

B

Metal Drum Vib. Hp. Pno. Vln. Vc.

Measure 54: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 55: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 56: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 57: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 58: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 59: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 60: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 61: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Measure 62: Metal, Drum, Vib., Hp., Pno., Vln., Vc. (all rests)

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

mallets

p
Ped. _____ *Ped.* _____ *Ped.* _____

mf

Ped. _____ *Ped.* _____ *Ped.* _____ *Ped.* _____

mf

p

63 64 65 66 67 68 69 70

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

Ped. _____

p

Ped. _____

mf > *p* *mf* > *p* *mf* > *p* *mf* > *p* *mf* > *p*

71 72 73 74 75 76 77 78

III. Transmit

Metal Drum Vib. Hp. Pno. Vln. Vc.

79 80 81 82 83 84 85



C

Metal Drum Vib. Hp. Pno. Vln. Vc.

86 87 88 89 90



Metal Drum Vib. Hp. Pno. Vln. Vc.

91 92 93 94 95

Metal Drum Vib. Hp. Pno. Vln. Vc.

96 97 98 99

* gradually unmute strings and apply increasing bow pressure
for an increasingly distorted (dist.), grating, scratch tone sound

III. Transmit

Musical score for orchestra and piano, page 106. The score includes parts for Metal, Drum, Vib., Hp., Pno., Vln., and Vc. The piano part features dynamic markings like *f*, *p*, *pp*, *fff*, and *ff*. The strings (Vln., Vc.) perform sustained notes with various performance techniques indicated by markings like *ord.*, *'air noise'*, *dist.*, and *Ped.*



Metal II 16+2 - - - 4+1

Drum II 16+2 > - - - 4+1 - - - ff

Vib. G 16+2 - - - 4+1 - - -

Hp. C 16+2 > ff - - - 4+1 p - - - o

Pno. C 16+2 > ff - - - 4+1 - - - fff

Vln. G 16+2 sul pont. - - - 4+1 ord. - - -

Vc. C 16+2 sul pont. f - - - 4+1 ord. o - - -

Musical score for orchestra and piano, page 10, measures 11-12.

Metal: Rests throughout.

Drum: Rests throughout.

Vib.: Rests throughout.

Hp.: Measure 11: Rest. Measure 12: \emptyset , dynamic p — ff . Measures 11-12: Bassoon part shown with slurs and grace notes.

Pno.: Measure 11: $\text{B} \# \text{D}$, $\text{B} \# \text{D}$. Measure 12: $\text{B} \# \text{D}$, dynamic p ; $\text{B} \# \text{D}$, dynamic p ; $\text{B} \# \text{D}$, dynamic p .

Vln.: Measure 11: $\text{G} \# \text{B}$, $\text{G} \# \text{B}$. Measure 12: Rest.

Vc.: Measure 11: $\text{C} \# \text{E}$, $\text{C} \# \text{E}$. Measure 12: Rest.

III. Transmit

Metal Drum Vib. Hp. Pno. Vln. Vc.

124 125 126 127 128 129 130

Metal Drum Vib. Hp. Pno. Vln. Vc.

131 132 133 134 135 136

Metal Drum Vib. Hp. Pno. Vln. Vc.

This section shows a dynamic transition from ***ff*** to ***pp***. The Metal and Hp. parts play eighth-note patterns at ***ff***. The Drum part follows with eighth-note patterns at ***pp***. The Vib. and Pno. parts provide harmonic support with sustained notes and eighth-note chords. The Vln. and Vc. parts play eighth-note patterns at ***ff***, followed by sustained notes at ***pizz.*** The score concludes with a dynamic of ***ff***.

137 138 139 140 141 142 143 144

This section begins with a dynamic of ***ff***. The Drum part features a rhythmic pattern of **X X X X X** at ***mf***. The Vib. part has sustained notes. The Hp. part plays eighth-note chords at ***mf***. The Pno. part enters with a dynamic of ***p*** and a melodic line. The Vln. and Vc. parts play eighth-note patterns at ***mf***, followed by sustained notes at ***ff***. The Vln. part uses **arco sul pont.** and **ord.** bowing techniques. The Vc. part also uses **arco sul pont.** and **ord.** bowing techniques.

145 146 147 148 149

III. Transmit

Musical score for orchestra and piano, page 150-156. The score includes parts for Metal, Drum, Vib., Hp., Pno., Vln., and Vc. The score shows various musical staves with measures 150 through 156. Measure 150: Metal (rest), Drum (p), Vib. (rest), Hp. (p), Pno. (p), Vln. (pizz.), Vc. (p). Measure 151: Metal (rest), Drum (ff), Vib. (rest), Hp. (ff), Pno. (ff), Vln. (ff), Vc. (ff). Measure 152: Metal (rest), Drum (ff), Vib. (rest), Hp. (ff), Pno. (ff), Vln. (ff), Vc. (ff). Measure 153: Metal (rest), Drum (ff), Vib. (rest), Hp. (ff), Pno. (ff), Vln. (ff), Vc. (ff). Measure 154: Metal (rest), Drum (ff), Vib. (rest), Hp. (ff), Pno. (ff), Vln. (ff), Vc. (ff). Measure 155: Metal (rest), Drum (ff), Vib. (rest), Hp. (ff), Pno. (ff), Vln. (ff), Vc. (ff). Measure 156: Metal (rest), Drum (ff), Vib. (rest), Hp. (ff), Pno. (ff), Vln. (ff), Vc. (ff).



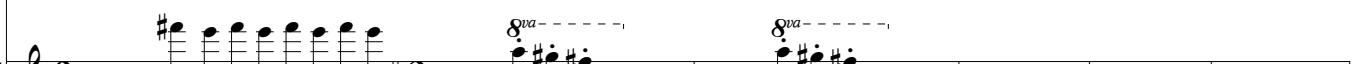
Musical score for orchestra and piano, page 10, measures 11-12.

Metal: 2 measures. Measure 11: 2/4 time, 2 eighth-note chords. Measure 12: 2/4 time, 2 eighth-note chords.

Drum: 2 measures. Measure 11: 2/4 time, 8 eighth-note patterns. Measure 12: 2/4 time, 8 eighth-note patterns, dynamic *pp*.

Vib.: 2 measures. Measure 11: 3/4 time, 2 eighth-note chords. Measure 12: 2/4 time, 2 eighth-note chords.

Hp.: 2 measures. Measure 11: 3/4 time, 8 eighth-note patterns. Measure 12: 2/4 time, 8 eighth-note patterns, dynamic *pp*.



Musical score for piano, violin, and cello in 3/4 time. The piano part (Pno.) consists of two staves: the top staff shows eighth-note chords in common time, and the bottom staff shows eighth-note chords in 3/4 time. The violin (Vln.) and cello (Vc.) parts play eighth-note patterns in 3/4 time. The score includes dynamic markings such as *p*, *pp*, and *f*.

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

ff

pp

ff

ff

ff

ff

ff

ff

ff

* choke off

163 164 165 166 167 168 169 170 171

Metal Drum Vib. L.V.

Hp. Pno. Ped..

Vln. Vc.

III. Transmit

Metal

Drum

Vib.

Hp.

Pno.

Vln.

Vc.

182

Philadelphia, PA
Ubud, Bali