

michael gandolfi

history of the world in seven acts

music to join with computer animation by jonathan bachrach

Commissioned by the Barlow Endowment for Music Composition
at Brigham Young University

m51 music (ascap)

.flute

.bass clarinet

.violin

.violoncello

.piano

.percussion:

vibraphone

glockenspiel

bongos

wood blocks (medium and small)

medium suspended cymbal

rainstick

ratchet

vibraslap

score in c. all instruments sound at concert pitch with the exception of the glockenspiel, which sounds 15ma sopra.

Duration: Fourteen minutes

Program Listing

history of the world in seven acts

michael gandolfi (2009)

computer animation by jonathan bachrach

Program Notes

I was introduced to Jonathan Bachrach by the Boston Musica Viva's Music Director, Richard Pittman, in the spring of 2007, to discuss the creation of a work for computer animation and chamber ensemble. Upon seeing Jonathan's dazzling animation, witnessing his brainy playfulness and observing his work-space at M.I.T. (full of computers, circuit boards, robots, LED's, etc., uncannily reminiscent of the chaos of my writing desk), I knew that we had a promising future. However, before delving into a new work for the Boston Musica Viva, we thought it prudent to compose a study piece, a sketch as it were, which we did in the spring of 2008. Overall, we felt good about that working model, ironed out a few bumps, and decided to build upon that initial sketch for our commissioned work.

I have had collaborations with several film makers and video artists, but this is my first work with a computer animator. Jonathan's work stands in direct contrast to the fixed-form film and mostly fixed-form video art with which I have worked: it unfolds in real-time at each performance. This proves challenging to the synchronizing of music and discreet imagery, as the look, movement and placement of visual details differ with each screening. However, the 'environments' that Jonathan creates are unwavering; i.e., the functional activities that occur within these environments are predictable. Additionally, for this piece, Jonathan structured 'camera viewpoints' in a fixed, repeatable sequence. These pillars proved invaluable for the grounding of my musical composition.

Jonathan's work is expressed as seven 'environments' that trace the history of a virtual society. He named these as follows: egg, anarchy, fabric, swing, imitation, follow, escape. My objective was to amplify this storyboard, not merely accompany it. I strove to effect a connection between the visual, the aural, and the imaginings evoked by each, prompting the viewer/listener to experience a natural ebb and flow between the animation and music; each informing and 'creating' the other.

Jonathan's objects in this piece are geometric (primarily cubes) although their movements suggest biomorphic shapes. Their actions trace a societal evolution expressed through complex relationships and long-range developments. I created a deep musical structure, tracing a similar evolution through subtle manipulations of pitch, rhythm, contour and timbre, which ultimately aligns with the principal character's return to center-stage at the end of the piece; a character that is transformed by the cumulative experiences gained in the evolving, developing history of the world.

Michael Gandolfi

to Richard Pittman and the Boston Musica Viva

Score in C

history of the world in seven acts

i. egg

Michael Gandolfi (2009)

$\text{♩} = 96$, with absolute precision!

3

Flute

Bass Clarinet

Percussion

Glock.

p

ppp

f

Piano

f

Violin

Violoncello

Electronics

Triangle (dampened)

mf

This musical score page shows the first three staves of the piece. The Flute, Bass Clarinet, and Percussion parts are present. The Percussion part includes a glockenspiel entry with dynamic p, followed by a piano dynamic ppp with a crescendo arrow, and then a forte dynamic f. The Piano part has a dynamic f. The Violin and Violoncello parts are silent. The Electronics part plays a sustained note with a dynamic mf. Measure 3 concludes with a fermata over the Electronics staff.

4

6

Fl.

B. Cl.

Perc.

Vibraslap

f

Pno.

(8va)

loco

f

Vln.

Vc.

pizz.

Elec.

ff

This musical score page shows the fourth and sixth staves of the piece. The Flute, Bass Clarinet, and Percussion parts are present. The Percussion part includes a dynamic f. The Piano part has dynamics (8va), loco, and f. The Violin and Viola parts have dynamics pizz. and ff. The Electronics part plays a sustained note with a dynamic ff. Measure 6 concludes with a fermata over the Electronics staff.

2

7

Fl.

B. Cl.

Perc. **Ratchet**

f

Pno.

Vln. pizz. 3 5 3

f

Vc. pizz. f

Elec.

This page contains six staves. The first two staves are for Flute and Bassoon, both with rests. The third staff is for Percussion, which begins with a dynamic of **f** and plays a continuous eighth-note pattern labeled "Ratchet". The fourth staff is for Piano, shown with a brace. The fifth staff is for Violin, which starts with a rest and then plays a pizzicato pattern with grace marks. The dynamic **f** is placed under the first note of the violin's pattern. The sixth staff is for Cello, also with a brace, and it also plays a pizzicato pattern with grace marks. The dynamic **f** is placed under the first note of the cello's pattern. The seventh staff is for Electric instruments, represented by a double bar line with vertical stems.

9

Fl.

B. Cl.

Perc. **Wood Blocks**

mf

Pno.

Vln.

Vc.

Elec.

This page contains six staves. The first two staves are for Flute and Bassoon, both with rests. The third staff is for Percussion, which begins with a dynamic of **mf** and plays a continuous eighth-note pattern labeled "Wood Blocks". The fourth staff is for Piano, shown with a brace. The fifth staff is for Violin, which starts with a rest and then plays an eighth-note pattern. The sixth staff is for Cello, also with a brace, and it plays an eighth-note pattern. The seventh staff is for Electric instruments, represented by a double bar line with vertical stems.

11

Fl. *pp* ————— *f* ————— | *f* *pp*

B. Cl.

Perc.

Pno.

Vln. arco
 pp ————— *f* —————

Vc.

Elec.

13

Fl. *f* ————— *pp*

B. Cl.

Perc.

Pno.

Vln. pizz. arco
 f *pp* ————— *f* ————— *pp*

Vc.

Elec.

Measure 13: Flute and Bassoon play eighth-note patterns. Measure 14: Violin uses pizzicato and arco techniques, while Viola and Electric Bass provide harmonic support.

4

18

19

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

ppp

p

f

ffff

23

24

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

Wood Blocks
(medium) (small)

ffff

ffff

pizz.

ffff

29

Fl.

B. Cl.

Perc.

(pattern is broken here! - one measure is added)

Pno.

Vln.

Vc.

Elec.

34

f

Glock.

f

arco

35

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

39

40

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

44

p *p* *f* *p*

Measure 40: Flute has sixteenth-note patterns. Bass Clarinet has sustained notes. Percussion has eighth-note patterns. Piano has eighth-note patterns. Violin has eighth-note patterns. Cello has sustained notes. Electric bass has eighth-note patterns.

Measure 41: Flute has sixteenth-note patterns. Bass Clarinet has sustained notes. Percussion has eighth-note patterns. Piano has eighth-note patterns. Violin has eighth-note patterns. Cello has sustained notes. Electric bass has eighth-note patterns.

Measure 42: Flute has sixteenth-note patterns. Bass Clarinet has sustained notes. Percussion has eighth-note patterns. Piano has eighth-note patterns. Violin has eighth-note patterns. Cello has sustained notes. Electric bass has eighth-note patterns.

Measure 43: Flute has sixteenth-note patterns. Bass Clarinet has sustained notes. Percussion has eighth-note patterns. Piano has eighth-note patterns. Violin has eighth-note patterns. Cello has sustained notes. Electric bass has eighth-note patterns.

Measure 44: Flute has sixteenth-note patterns. Bass Clarinet has sustained notes. Percussion has eighth-note patterns. Piano has eighth-note patterns. Violin has eighth-note patterns. Cello has sustained notes. Electric bass has eighth-note patterns.

46

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

49

p *f* *ppp*

51

mp

Measure 46: Flute has eighth-note patterns. Bass Clarinet has sustained notes. Percussion has eighth-note patterns. Piano has eighth-note patterns. Violin has eighth-note patterns. Cello has sustained notes. Electric bass has eighth-note patterns.

Measure 47: Flute has eighth-note patterns. Bass Clarinet has sustained notes. Percussion has eighth-note patterns. Piano has eighth-note patterns. Violin has eighth-note patterns. Cello has sustained notes. Electric bass has eighth-note patterns.

Measure 48: Flute has eighth-note patterns. Bass Clarinet has sustained notes. Percussion has eighth-note patterns. Piano has eighth-note patterns. Violin has eighth-note patterns. Cello has sustained notes. Electric bass has eighth-note patterns.

Measure 49: Flute has eighth-note patterns. Bass Clarinet has sustained notes. Percussion has eighth-note patterns. Piano has eighth-note patterns. Violin has eighth-note patterns. Cello has sustained notes. Electric bass has eighth-note patterns.

Measure 50: Flute has eighth-note patterns. Bass Clarinet has sustained notes. Percussion has eighth-note patterns. Piano has eighth-note patterns. Violin has eighth-note patterns. Cello has sustained notes. Electric bass has eighth-note patterns.

Measure 51: Flute has eighth-note patterns. Bass Clarinet has sustained notes. Percussion has eighth-note patterns. Piano has eighth-note patterns. Violin has eighth-note patterns. Cello has sustained notes. Electric bass has eighth-note patterns.

52

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

55

Vibraphone

58

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

60

64

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

67

ii. anarchy

70

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

74

76

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

79

82

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

83

history of the world in seven acts

10

88

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

89

This section contains two staves of musical notation. The top staff includes parts for Flute (Fl.), Bassoon (B. Cl.), Percussion (Perc.), and Piano (Pno.). The bottom staff includes parts for Violin (Vln.), Cello (Vc.), and Electric instrument (Elec.). Measure 88 begins with rests for Flute and Bassoon, followed by a dynamic *p* for Bassoon. Measure 89 begins with a dynamic *f* for Percussion, followed by a dynamic *s* for Bassoon. Various rhythmic patterns are shown for each instrument, including eighth and sixteenth note figures.

94

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

98

This section contains two staves of musical notation. The top staff includes parts for Flute (Fl.), Bassoon (B. Cl.), Percussion (Perc.), and Piano (Pno.). The bottom staff includes parts for Violin (Vln.), Cello (Vc.), and Electric instrument (Elec.). Measures 94 through 98 feature complex rhythmic patterns. Dynamics include *p*, *f*, *s*, and accents. Measure 98 concludes with a dynamic *p* and an asterisk (*) indicating a repeat or continuation.

100

102

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

106

109

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Elec.

12

113

Musical score for measures 113-119. The score includes parts for Flute (Fl.), Bassoon (B. Cl.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Cello (Vc.). Measure 113 starts with a rest for Flute and B. Cl., followed by sustained notes on B. Cl. with a dynamic *poco*. Measure 114 begins with a rest for Perc. and Pno., followed by sustained notes on Pno. with a dynamic *poco*. Measures 115-119 show sustained notes on B. Cl. and Vc. with dynamics *pp* and *mf*.

119

120

125

Musical score for measures 120-125. The score includes parts for Flute (Fl.), Bassoon (B. Cl.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Cello (Vc.). Measure 120 shows sustained notes on B. Cl. with a dynamic *poco*. Measure 121 begins with a rest for Perc. and Pno., followed by sustained notes on Pno. with a dynamic *poco*. Measures 122-125 show sustained notes on B. Cl. and Vc. with dynamics *f*, *pp*, and *pp*.

126

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

129

pp

f

f

pp

mf

arco

pp

132

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

135

poco

poco

pp

f

mf

poco

139

Fl. *pp* *f*

B. Cl.

Perc. *f*

Pno.

Vln.

Vc.

poco

poco

p

poco

146

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

149

pp *f*

f

153

Fl.

159

B. Cl.

Perc.

Pno.

Vln.

Vc.

160

Fl.

164

B. Cl.

Perc.

Pno.

Vln.

Vc.

16

167

169

iii. fabric

Musical score for orchestra and piano, measures 167-169. The score includes parts for Flute (Fl.), Bassoon (B. Cl.), Vibraphone (Perc.), Piano (Pno.), Violin (Vln.), and Cello (Vc.). Measure 167: Flute rests. Measure 168: Bassoon plays sustained notes. Vibraphone plays eighth-note chords. Piano has sixteenth-note patterns. Violin and Cello play eighth-note patterns. Measure 169: Vibraphone continues eighth-note chords. Piano has sixteenth-note patterns. Violin and Cello continue eighth-note patterns. Dynamics: *p*, *f*, *mf*.

173

177

Musical score for orchestra and piano, measures 173-177. The score includes parts for Flute (Fl.), Bassoon (B. Cl.), Vibraphone (Perc.), Piano (Pno.), Violin (Vln.), and Cello (Vc.). Measure 173: Flute and Bassoon play eighth-note patterns. Vibraphone plays eighth-note chords. Piano has sixteenth-note patterns. Violin and Cello play eighth-note patterns. Measure 174: Vibraphone continues eighth-note chords. Piano has sixteenth-note patterns. Violin and Cello continue eighth-note patterns. Dynamic: *poco*. Measure 175: Vibraphone continues eighth-note chords. Piano has sixteenth-note patterns. Violin and Cello continue eighth-note patterns. Dynamic: *poco*. Measure 176: Vibraphone continues eighth-note chords. Piano has sixteenth-note patterns. Violin and Cello continue eighth-note patterns. Dynamic: *poco*.

179

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc. *mf*

184

185

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc. *poco*

189

191

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

197

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

203

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

207

212

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

20

215

216

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

This musical score page contains two staves of music. The top staff includes parts for Flute (Fl.) and Bassoon (B. Cl.). The bottom staff includes parts for Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Cello (Vc.). Measure 215 begins with Flute and Bassoon playing eighth-note patterns. Measure 216 begins with Percussion and Piano playing eighth-note patterns. The piano part is bracketed under 'Pno.' in both measures. Measures 215 and 216 conclude with Violin and Cello entries. Measure 216 ends with a dynamic instruction 'f'.

221

225

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

This musical score page contains two staves of music. The top staff includes parts for Flute (Fl.) and Bassoon (B. Cl.). The bottom staff includes parts for Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Cello (Vc.). Measure 221 begins with Flute and Bassoon entries. Measure 225 begins with Bassoon and Percussion entries. The piano part is bracketed under 'Pno.' in both measures. Measures 221 and 225 conclude with Violin and Cello entries. Measure 225 ends with a dynamic instruction 'p'.

227

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

230

234

233

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

22

239

243

238

Musical score for orchestra and piano showing measures 11-12. The score includes parts for Flute (Fl.), Bassoon (B. Cl.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Cello (Vc.). The instrumentation is as follows:

- Flute (Fl.):** Playing eighth-note patterns.
- Bassoon (B. Cl.):** Playing sustained notes.
- Percussion (Perc.):** Playing eighth-note patterns.
- Piano (Pno.):** Playing sixteenth-note patterns.
- Violin (Vln.):** Playing sixteenth-note patterns.
- Cello (Vc.):** Playing eighth-note patterns.

Dynamic markings include **f** (fortissimo), **p** (pianissimo), and **pp cresc.** (pianississimo, crescendo).

248

244

Musical score for orchestra and piano showing measures 11-12. The score includes parts for Flute (Fl.), Bassoon (B. Cl.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Cello (Vc.). The instrumentation is as follows:

- Flute (Fl.):** Playing eighth-note patterns.
- Bassoon (B. Cl.):** Playing sustained notes with grace marks.
- Percussion (Perc.):** Playing eighth-note patterns.
- Piano (Pno.):** Playing eighth-note patterns with dynamic markings *f*.
- Violin (Vln.):** Playing sixteenth-note patterns.
- Cello (Vc.):** Playing eighth-note patterns.

The score is in common time, with a key signature of one flat. Measure 11 ends with a repeat sign and a first ending. Measure 12 begins with a second ending, indicated by a small '2' above the staff. Measures 11 and 12 conclude with a final dynamic marking *f*.

249

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

p cresc.

f

p cresc.

p cresc.

254

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

24

261

260

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

266

269 iv. swing

265

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

270

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

274

pizz.

f

ff

275

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

279

f

ff

280

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

284

ff

285

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

289

ff

290

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

294

295

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

299

28

300

301

pizz.

305

306

308

arco

310

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

313

315

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

320

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

ff

f

legato

325

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

ff

f

330

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

335

337

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

32

340

342

Musical score for orchestra and piano, page 32, measures 340-342. The score includes parts for Flute (Fl.), Bassoon (B. Cl.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Cello (Vc.). Measure 340: Flute and Violin play eighth-note patterns. Measure 341: Flute and Violin continue their patterns. Measure 342: Bassoon begins a rhythmic pattern of eighth-note pairs. Measures 343-344: Piano plays eighth-note chords with dynamic markings *ff* and *f*. Measures 345-346: Flute and Violin play eighth-note patterns.

346

347

349

Musical score for orchestra and piano, measures 11-12. The score includes parts for Flute, Bassoon, Percussion, Piano (with a dynamic marking of *ff*), Violin, and Cello. The piano part features a melodic line with grace notes and dynamic markings like *ff*. The violin and cello provide harmonic support with sustained notes and rhythmic patterns.

351

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

354

356

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

361

Fl.

B. Cl.

Perc.

Bongos (ad lib.)

Play 9x

f

Pno.

Vln.

Vc.

367

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

369

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

372

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

377

375

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

378

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

382

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

history of the world in seven acts

38
385

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

f

ff

f

ff

ff

ff

388

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

p

f *ff*

f *ff*

p

mp

ff

ff

391

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

394

395

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

40

397

Fl.

B. Cl.

Perc.

(8va)

399

Pno.

Vln.

Vc.

This musical score page contains two measures of music. Measure 397 features a melodic line from the Flute and Bassoon, with the Bassoon providing harmonic support. Measure 399 begins with a rhythmic pattern on the Percussion and continues with sustained notes from the Piano and bass instruments. The score includes parts for Flute, Bassoon, Percussion, Piano (Pno.), Violin (Vln.), and Cello (Vc.). Measure 397 starts with a melodic line from the Flute and Bassoon. Measure 399 begins with a rhythmic pattern on the Percussion and continues with sustained notes from the Piano and bass instruments.

400

Fl.

B. Cl.

Perc.

(8va)

Pno.

Vln.

Vc.

This musical score page contains one measure of music. The Flute and Bassoon play sustained notes, while the Percussion provides a rhythmic foundation. The score includes parts for Flute, Bassoon, Percussion, Piano (Pno.), Violin (Vln.), and Cello (Vc.).

403

Fl.

B. Cl.

Perc.

(8va)

Pno.

Vln.

Vc.

ff

ff

ff

406

407

Fl.

B. Cl.

Perc.

(8va)

Pno.

Vln.

Vc.

42

Fl.

B. Cl.

Perc.

(8va)

Pno.

Vln.

Vc.

409

411

415

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

This section shows six staves. The first four staves (Flute, Bassoon, Percussion, and Piano) are mostly silent with occasional short dashes. The Violin and Cello staves show eighth-note patterns with grace notes and slurs. Measure 418 begins with a dynamic of *f* for Flute and Bassoon, followed by *p* and *ff*.

420

418

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

This section shows six staves. The Flute and Bassoon play eighth-note patterns with grace notes and slurs, transitioning from *f* to *p* to *ff*. The Percussion, Piano, Violin, and Cello staves remain mostly silent or show brief eighth-note patterns. Measure 420 begins with a dynamic of *ff* for the lower strings and piano.

421

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

424

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

427

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

430

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

433

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

436

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

439

441

vi. follow

47

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

444

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

48

450

451

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

pp

arco

pp

This musical score page contains two staves of music. The top staff includes parts for Flute (Fl.), Bassoon (B. Cl.), Percussion (Perc.), and Piano (Pno.). The bottom staff includes parts for Violin (Vln.) and Cello (Vc.). Measure 450 begins with a forte dynamic. Measure 451 follows, featuring eighth-note patterns with dynamic marks 'pp' and 'arco'. The piano part has a dynamic mark 'pp' at the start of measure 451. The violin part uses 'arco' notation. The entire section concludes with a dynamic mark 'pp'.

456

460

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

This musical score page contains two staves of music. The top staff includes parts for Flute (Fl.), Bassoon (B. Cl.), Percussion (Perc.), and Piano (Pno.). The bottom staff includes parts for Violin (Vln.) and Cello (Vc.). Measures 456 through 460 feature eighth-note patterns with dynamic marks 'pp' and 'f'. The piano part has a dynamic mark 'pp' at the start of measure 456. The violin part has a dynamic mark 'f' at the start of measure 460. The entire section concludes with a dynamic mark 'f'.

462

This musical score page contains six staves for different instruments. The top staff is for Flute (Fl.), followed by Bassoon (B. Cl.). The third staff is for Percussion (Perc.). The fourth staff is for Piano (Pno.), indicated by a brace. The fifth staff is for Violin (Vln.), and the bottom staff is for Cello (Vc.). Measure 462 begins with the Flute and Bassoon playing eighth-note patterns. The Piano and Violin also play eighth-note patterns. The Cello has sustained notes. Measures 463-464 show the same patterns continuing. Measure 465 introduces a new pattern for the Piano. Measures 466-467 continue the established patterns. Measure 468 starts with a new pattern for the Flute and Bassoon. Measures 469-470 continue this pattern. Measure 471 shows a new pattern for the Piano. Measure 472 concludes the section.

468

472

This musical score page continues from the previous one. The top staff is for Flute (Fl.), followed by Bassoon (B. Cl.). The third staff is for Percussion (Perc.). The fourth staff is for Piano (Pno.), indicated by a brace. The fifth staff is for Violin (Vln.), and the bottom staff is for Cello (Vc.). Measures 468-470 show the Flute and Bassoon playing eighth-note patterns. Measures 471-472 show the Violin and Cello playing eighth-note patterns. The Piano has sustained notes throughout this section.

50

474

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

478

This section of the score consists of six staves. The top two staves are for Flute (Fl.) and Bassoon (B. Cl.). The third staff is for Percussion (Perc.). The fourth and fifth staves are grouped by a brace and labeled Piano (Pno.). The bottom two staves are for Violin (Vln.) and Cello (Vc.). Measure 474 starts with a sixteenth-note pattern in the Fl. and B. Cl. staves, followed by eighth-note patterns with grace notes. Measures 475-477 continue this pattern. Measure 478 begins with a piano dynamic (indicated by a 'p' below the staff) and sustained notes on the B. Cl., Vln., and Vc. staves.

480

Fl.

B. Cl.

Perc.

Rain Stick (tilt slowly)

p

Pno.

Vln.

Vc.

482

This section of the score consists of six staves. The top two staves are for Flute (Fl.) and Bassoon (B. Cl.). The third staff is for Percussion (Perc.). The fourth and fifth staves are grouped by a brace and labeled Piano (Pno.). The bottom two staves are for Violin (Vln.) and Cello (Vc.). Measure 480 starts with a sixteenth-note pattern in the Fl. and B. Cl. staves, followed by eighth-note patterns with grace notes. Measures 481-482 continue this pattern. Measure 482 begins with a piano dynamic (indicated by a 'p' below the staff) and sustained notes on the B. Cl., Vln., and Vc. staves. A note above the staff reads "Rain Stick (tilt slowly)".

486

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

491

This musical score page contains two staves of music. The top staff (measures 486 and 491) includes parts for Flute (Fl.), Bassoon (B. Cl.), and Percussion (Perc.). The bottom staff (measures 486 and 491) includes parts for Piano (Pno.), Violin (Vln.), and Cello (Vc.). Measure 486 begins with the Flute and Bassoon playing eighth-note patterns. Measure 491 begins with a piano solo, followed by Violin and Cello entries. The piano part features sustained notes and eighth-note chords. The violin and cello parts play eighth-note patterns.

492

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Rain Stick (tilt slowly)

p

This musical score page contains two staves of music. The top staff (measure 492) includes parts for Flute (Fl.), Bassoon (B. Cl.), and Percussion (Perc.). The bottom staff (measure 492) includes parts for Piano (Pno.), Violin (Vln.), and Cello (Vc.). The Percussion part includes instructions: "Rain Stick (tilt slowly)". The piano part has a dynamic marking of *p*.

52

498

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

503

Rain Stick (tilt slowly) *p*

This section of the score includes six staves: Flute (top), Bass Clarinet, Percussion, Piano (with a bracket), Violin, and Cello (bottom). Measure 498 starts with the Flute and Bass Clarinet. Measure 501 begins with the Percussion and Piano, with dynamics and performance instructions. Measures 502 and 503 continue with the Violin and Cello.

504

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

507

This section of the score includes six staves: Flute (top), Bass Clarinet, Percussion, Piano (with a bracket), Violin, and Cello (bottom). Measures 504, 506, and 508 feature sixteenth-note patterns with grace notes. Measures 505 and 507 feature eighth-note patterns.

511

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

513

518

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

521

Rain Stick (tilt slowly)

p

54

525

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

531

This block contains musical staves for Flute (Fl.), Bassoon (B. Cl.), Percussion (Perc.), Piano (Pno.), Violin (Vln.), and Cello (Vc.). The page number 54 is at the top left. Measure 525 begins with Flute and Bassoon entries. Measures 526-530 show various patterns from the woodwinds and bassoon. Measure 531 begins with a piano entry, followed by violin and cello patterns. Measure 532 follows on the next page.

538

532

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

This block continues the musical score from the previous page. Measures 532-537 show woodwind entries with eighth-note patterns and bassoon sustained notes. Measure 538 begins with a piano entry, followed by violin and cello patterns. The page number 54 is at the top left of the previous page, and 538 is at the top right of this page.

539

543 **vii. escape**

o = d = 48

Fl.

B. Cl.

Perc.

Vln.

Vc.

Pno.

pp *poco* *sempre simile*

pp *f*

Vibrphone motor on: slow pulse

f

pp *poco* *sempre simile*

pp *poco* *sempre simile*

547

551

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

ppp

pp *f* *ppp*

ppp

56 554

557

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

560 563

Fl.

B. Cl.

Perc.

Pno.

Vln.

Vc.

Scraped Cymbal

ppp < >

mf

ppp < >

ppp < >