

CHAMBER SYMPHONY No.5

(Scream & Dance at the End of Days)

*Scored for 14 musicians; fl., cl., b.cl., bsn., f.hrn., tpt., tbn.,
timp., perc. (cymb., tmp. bl.), pno., vln., vla., vc., cb*

Duration: 16' 06"

Nik Bizzell-Browning, 2023

Performance notes

Adhere to tempi, find the *grooves* and be spectacular.

Scalic structural notes

This piece is based on two expanded Fixed Pitch Field (FPF) LIE scales and their OE variants.

71-STET (semitones of equal temperament) scale (G1 to F#7):

If Stravinsky's "Petrushka Chord" [3, 2, 1, 3, 2] {C#, E, F#, G, Bb, C} becomes [3, 2, 1, 2, 3] {C#, E, F#, G, A, C}, then a 71-STET (G1 to F#7) 16-pitch extended adaptation [8, 7, 6, 5, 4, 3, 2, 1, 2, 3, 4, 5, 6, 7, 8] = {G1, Eb2, Bb2, E3, A3, C#4, E4, F#4, G4, A4, C5, E5, A5, Eb6, Bb6, F#7}, with a sounded F#4/G4 central axis.

84-STET (28 x 3) scale (Bb0 to Bb7):

↑ Bb0 [1, 2, 3, 4, 5, 6, 7] D3 [1, 2, 3, 4, 5, 6, 7] F#5 [1, 2, 3, 4, 5, 6, 7] Bb7 +
 ↓ Bb0 [1, 2, 3, 4, 5, 6, 7] F#5 [1, 2, 3, 4, 5, 6, 7] D3 [1, 2, 3, 4, 5, 6, 7] Bb0
 = Bb0 [1, 2, 3, 1, 3, 3, 2, 3, 3, 1, 3, 2, 1] + [1, 2, 3, 1, 3, 3, 2, 3, 3, 1, 3, 2, 1] + [1, 2, 3, 1, 3, 3, 2, 3, 3, 1, 3, 2, 1].
 Remove the axial pitches (Bb0, D3, F#5, and Bb7) and the following scale is produced:
 {B0, C#1, E1, F1, G#1, B1, C#2, E2, G2, G#2, B2, C#3, Eb3, f3, G#3, A3, C4, Eb4, F4, G#4, B4, C5, Eb5, F5, G5, A5, C6, C#6, E6, G6, A6, C7, Eb7, E7, G7, A7} (with a silent E4 axis)
 [2, 3, 1, 3, 3, 2, 3, 3, 1, 3, 2, 3, 2, 3, 1, 3, 3, 2, 3, 3, 1, 3, 2, 2, 2, 3, 1, 3, 3, 2, 3, 3, 1, 3, 2].

The pitch cardinality of this 36-pitch scale is; Bb B C C# D Eb E F F# G G# A Bb
 0 4 4 4 0 4 4 4 0 4 4 4 0

Octave Equivalent (OE) Scales:

71-STET OE scale = {Eb, E, F#, G, A, Bb, C, C#} [1, 2, 1, 2, 1, 2, 1] (Messiaen's Mode II)
 84(82)-STET OE Scale = {Eb, E, F, G, G#, A, B, C, C#} [1, 1, 2, 1, 1, 2, 1, 1] (Messiaen Mode III Inverse)
 Common tones = {Eb, E, G, A, C, C#} [1, 3, 2, 3, 1] (Prometheus Neapolitan Scale).

Other Devices:

Bars 14-22 use 16 different triads derived from the common tones. Bars 33-68 use 8 ordered rotating pitch entry variants of the 71-STET "Prime" scale; G1=1, Eb2=3, Bb2=5, E3=7, A3=9, C#4=11, E4=13, F#4=15, G4=16, A4=14, C5=12, E5=10, A5=8, Eb6=6, Bb6=4, F#7=2. Bars 115-129 employ a Double Harmonic scale (AKA the 15th Melakarta raga) [1, 3, 1, 2, 1, 3, 1] {D, Eb, F#, G, A, Bb, C#, D} adaptation of Purcell's Sonata in G minor. At b.132 a pentatonic variant of the 71-STET OE scale is explored {C, E, F, A, B, C}, then from bb. 159-208 hocketing triplets derived from scalar multipliers (x1...x7 inclusive) of the {D, Eb, F#, G, A, Bb, C#, D} *Double Harmonic* scale (from a silent G#4 axis) are introduced.

In brief, the pitches of the hocketing triplets are derived from mapping the alphabet (A-Z) onto a central 26-pitch section of the resulting abstract 84-STET (D1 to D8) scale (as follows):

{C3, D3, F3, F#3, A3, Bb3, C4, C#4, D4, Eb4, E4, F4, F#4, Bb4, B4, C5, C#5, D5, Eb5, E5, F#5, G#5, Bb5, B5, D6, E6}
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

The name "VIOLET ALBINA GIBSON" (the woman who attempted to assassinate Mussolini in 1926) thus becomes 6 sets of triplets: {G#5, D4, B4 | F4, A3, E5 | C3, F4, D3 | D4, F#4, C3 | C4, D4, D3 | Eb5, B4, Bb4 which leads to a temporally symmetrical (interval onset semiquavers - 7, 6, 5, 4, 3, 2, 1, 1, 2, 3, 4, 5, 6, 7) section (bb. 226-272) based on the 84-STET Prime LIE scale. From bar 273 this piece closes by reiterating earlier 71 and 84(82)-STET explored themes.

♩ = 156

1. 2.

Flute 1.

Clarinet in B $\flat$

Bass Clarinet in B $\flat$

Bassoon

Horn in F

B $\flat$ Trumpet

Trombone

Timpani (Timps tuned to B $\flat$ 2, E3 and G3)

Cymbal

Temple Blocks

Piano

Common OE tones 71-STET OE scale 71-STET OE scale

Violin

Viola

Violoncello

Contrabass

4

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

fff 6 *ff* *fff* 6 *mf* 6 *f* 6 6 6 6

84-STET scale 71-STET Prime scale 71-STET OE scale 84-STET Prime scale

f 6 *f* 6 *f* 6 *f* 6

ff

84-STET Prime scale

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[illegible]

11

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

p

ff

mp

mf

f

84-STET OE scale

84-STET OE scale

13

Fl. 1. *mp*

Cl. in B $\flat$

B. Cl. in B $\flat$ *f* *ff* *fff*

Bsn. *f* *ff* *f*

Hn. in F *ff*

B $\flat$ Tpt *ff*

Tbn. *ff*

Timp.

Cym.

Tmp. Bl

Pno. 84-STET OE scale *ff*

Vln. *mf* *ff* *f*

Vla. *mf* *mf* *f*

Vc. *mf* *mf*

Cb. *mf* *f*

Detailed description of the musical score: The score is for measures 13, 14, and 15. Measure 13 begins with a piano introduction of the 84-STET OE scale. The woodwinds (Flute 1, Clarinet in Bb, Bass Clarinet in Bb, Bassoon) and strings (Violin, Viola, Violoncello, Contrabass) enter in measure 14 with various dynamics and articulations. The brass section (Horn in F, Bb Trumpet, Trombone) also enters in measure 14. The timpani and cymbal parts are also shown. The score includes various dynamic markings such as *mp*, *f*, *ff*, *fff*, *mf*, and *f*. The piano part features a complex rhythmic pattern in the right hand and a more melodic line in the left hand.

16

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

fff

fff

fff

f

f

f

ff

ff

19

Fl. 1. *fff* *ff* *fff*

Cl. in B $\flat$ *fff* *fff* *fff*

B. Cl. in B $\flat$ *fff* *fff* *fff*

Bsn. *fff* *fff* *fff*

Hn. in F *f* *ff*

B $\flat$ Tpt *f* *ff*

Tbn. *f* *fff*

Timp.

Cym.

Tmp. Bl.

Pno. *fff*

Vln.

Vla.

Vc.

Cb.

25

Fl. 1. *p* *fff* *f*

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn. *ff* *fff* *mf*

Hn. in F

B $\flat$ Tpt

Tbn.

Timp. *f*

Cym.

Tmp. Bl

Pno. *fff*

Vln. *f* *ff*

Vla. *ff*

Vc.

Cb.

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This page of the musical score covers measures 31 through 33. The instrumentation includes a variety of woodwinds, brass, percussion, and strings. The key signature has one sharp (F#), and the time signature is 4/4. The score is characterized by dynamic contrasts, with measures 31 and 32 featuring fortissimo (f, ff, fff) passages, while measure 33 introduces a mezzo-forte (mf) section. The woodwinds and strings play a significant role in the texture, with the Flute 1 and Clarinet in Bb having solo passages in measure 33. The percussion section, including Timpani and Tom Tom, provides rhythmic support throughout the measures. The string section (Violin, Viola, Violoncello, and Contrabass) plays a steady, rhythmic pattern in measures 31 and 32, which then changes in measure 33. The overall mood is one of intense energy and drama, typical of a symphonic work.

Fl. 1. *f* 34 8 *mp* 8 *f* *mf*

Cl. in B $\flat$ 14 *f* (solo) (solo) 14

B. Cl. in B $\flat$ 11 *f* *mf* *f* *mp*

Bsn. *mf*

Hn. in F 13 *f* 13 *p*

B $\flat$ Tpt 10 *f* 10 *p*

Tbn. 7

Timp. 5 *mf*

Cym. *mf*

Tmp. Bl *p*

Pno. 16 *mf* 15 2 *f* *mf* *Red.*

Vln. 15 *f* arco 6 arco 12 *mf*

Vla. 12 *f* arco 12

Vc. 9 *f* arco 9 *mp* *mf* *mp*

Cb. 1 *mf* arco 9 *mp*

[illegible]

44 **C** (3rd Round)

Fl. 1. *f* *mp*

Cl. in B $\flat$ 11 *f* *p* 14 *mf* *p* 8 *mp*

B. Cl. in B $\flat$ 11 *f* *p* 11 *mf*

Bsn. *mf* 3 *f*

Hn. in F 13 *mf* *p*

B $\flat$ Tpt 10 *p* 10 *mf*

Tbn. 7 *f* *mp* 7 *mf*

Timp. 5 *mf* <

Cym.

Tmp. Bl

Pno. *mf* 15 16

Vln. pizz. 6 *mf* arco 12 *mf* *p* 6 *mf* >

Vla. 12 *mf* *p* *mf*

Vc. pizz. 9 *mf* arco *mf* 9 *mf*

Cb. arco 1 *mf*

51 D (4th Round)

Fl. 1. *pp* *mp* *pp*

Cl. in B $\flat$ 14 *mf* *pp* 11 14 *mf*

B. Cl. in B $\flat$ *p* 11 *mf* *p* 16 *mf*

Bsn. 3 *mp* *f* *mp*

Hn. in F 13 *mf* *p* 13 *mf*

B $\flat$ Tpt 10 *mf* *p* 15 *mf*

Tbn. 7 *p* *f* *p*

Timp. 5 *f* *mf*

Cym.

Tmp. Bl. *p* *pp*

Pno. 15 16

Vln. *p* *mf* *p* 12 *mf*

Vla. *mf* *p* *mf*

Vc. 9 *mf* *p*

Cb. pizz. 1 *pp* *mf* *pp* arco 1 *mf*

58

Fl. 1.

f *ff* *mf* *p*

Cl. in B $\flat$

p *f* *ff* (solo) *mf*

B. Cl. in B $\flat$

p *f* *mf* *p*

Bsn.

f *f* *p*

Hn. in F

p *f* *mf*

B $\flat$ Tpt

f *mf*

Tbn.

f

Timp.

f *mf*

Cym.

Tmp. Bl

Pno.

f *mf*

Vln.

f

Vla.

p *f* *f*

Vc.

f *mf*

Cb.

f

4 8 14 11 3 13 10 15 7 5 2 16 6 12 9 1

E (5th & 6th Rounds)

63

Fl. 1.

8

mp

pp

mf

p mp > f >

p

F

8

4

G

8

Cl. in B $\flat$

p

11

f >

p

11

f

p

(solo)

f

ff

B. Cl. in B $\flat$

11

f

p

11

f

p

ff

Bsn.

3

mf

p

Hn. in F

p

13

f >

p

B $\flat$ Tpt

10

mf

p

10

f

p

Tbn.

7

mf

mp

7

f

p

7

f >

p

f

ff

Timp.

5

mp < mf > mp

5

f

Cym.

Tmp. Bl

mp

pp

Pno.

8

Vln.

arco

6

f

mp

6

f

p

f

Vla.

12

p

f

p

f

arco

Vc.

9

p

mf

p

9

f

p

9

f >

mp

f

arco

Cb.

arco

f

1. 2.

70

Fl. 1. *mf* *f* *p*

Cl. in B *b* *f* *p*

B. Cl. in B *b* *f* *p*

Bsn. *mf* *p*

Hn. in F *p*

B *b* Tpt *p*

Tbn. *p*

Timp. *mf* *mf*

Cym.

Tmp. Bl

(OG SECTION)

Pno. *f* *ff* *mf* *ff*

Vln. *p* *ff*

Vla. *p*

Vc. *p*

Cb. *p*

74

Fl. 1.

Cl. in B $\flat$ (solo) *f* *mf* *mp*

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno. OE 84-STET {C, C#, Eb, E, F, G, G#, A, B} *mp*

Vln. *mp*

Vla. *mp*

Vc. arco *mp*

Cb. *mp*

78

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

(solo)

fff

mf

mf

f

mf

f

mf

[illegible]

85

Fl. 1. *mp*

Cl. in B $\flat$ *mf* (solo) *fff*

B. Cl. in B $\flat$

Bsn.

Hn. in F *mf* *f* *mf* *f* *mf* *f* *f* *ff*

B $\flat$ Tpt *mf* *f* *mf* *f* *mf* *f* *f* *ff*

Tbn. *mf* *f* *mf* *f* *mf* *f* *f* *ff*

Timp.

Cym. *mp*

Tmp. Bl.

Pno. *mp* *mf*

Viol. *mp* *mf*

Viola *mp* *mf*

Vcllo *mp* *mf*

Cb. *mp* *mf*

[illegible]

[illegible]

99

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

pp

p

mp

p

{G1, Eb2, Bb2, E3, A3, C#4, E4, F#4 G4, A4, C5, E5, A5, Eb6, Bb6, F#7}

[illegible]

121

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

mf

f

f

f

mp

mp

71-stet OE scale

f

mf

[illegible]

[illegible]

140

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

Red.

ff

mf

145 **J**

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

mf 6

mf 6

{C, E, F, A, B, C}

mf

mf

mf 3

p

(*Red.*)

mf 3

mf 6

f 6

mf 6

mf 3

mp

mf

mp

mf

mp

f

[illegible]

157

Fl. 1. *p* *pp* *mp*

Cl. in B $\flat$ *mf* 3 *mp*

B. Cl. in B $\flat$

Bsn.

Hn. in F *mf* *p*

B $\flat$ Tpt. 3

Tbn.

Timp.

Cym.

Tmp. Bl.

Pno. 6 3 (3rd.) 6 3

Vln. *mf* 3

Vla. *mf* 3

Vc. *mf* 3

Cb.

164

Fl. 1. *p*

Cl. in B $\flat$ *mf* *3* *mp* *mf* *3* *3* *3* *3* *3* *3*

B. Cl. in B $\flat$ *mp*

Bsn. *mf* *3* *3* *3* *3*

Hn. in F *mf* *3* *3* *3* *3*

B $\flat$ Tpt. *mf* *3* *3* *mp* *mf* *3*

Tbn.

Timp.

Cym.

Tmp. Bl.

Pno.

Vln. *3* *3* *3* *3* *3* *3* *3*

Vla. *mf* *3* *3* *3*

Vc. *3*

Cb. *mf* *3* *3*

[illegible]

180

Fl. 1. *mp*

Cl. in B $\flat$ *mp* *f* *mf* *f* *ff* (solo)

B. Cl. in B $\flat$

Bsn. *f* *mf* *f* *mf*

Hn. in F

B $\flat$ Tpt *f* *mf* *p*

Tbn. *f* *mf* *f*

Timp. *mf* *mp*

Cym.

Tmp. Bl

Pno.

Vln. *mf* *mp*

Vla. *mf* *mp*

Vc. *mf* *mp*

Cb. *mf* *mp*

This musical score page contains measures 188 through 190. The instruments are arranged as follows:

- Fl. 1.**: Treble clef. Measures 188-190 feature eighth-note triplets and sixteenth-note patterns. Dynamics include *mf*.
- Cl. in B♭**: Treble clef. Measures 188-190 feature half notes and quarter notes. Dynamics include *mp* and *f*. A "(solo)" marking appears above measure 190.
- B. Cl. in B♭**: Treble clef. Measures 188-190 are mostly rests.
- Bsn.**: Bass clef. Measures 188-190 feature eighth-note triplets. Dynamic is *mp*.
- Hn. in F**: Treble clef. Measures 188-190 feature half notes and quarter notes. Dynamic is *mp*.
- B♭ Tpt**: Treble clef. Measures 188-190 feature eighth-note triplets. Dynamic is *mf*.
- Tbn.**: Bass clef. Measures 188-190 are mostly rests.
- Timp.**: Bass clef. Measures 188-190 feature eighth-note triplets. Dynamics include *mf* and *mp*.
- Cym.**: Percussion. Measures 188-190 are mostly rests.
- Tmp. Bl**: Percussion. Measures 188-190 are mostly rests.
- Pno.**: Grand staff (treble and bass clefs). Measures 188-190 are mostly rests.
- Vln.**: Treble clef. Measures 188-190 feature eighth-note triplets.
- Vla.**: Alto clef. Measures 188-190 feature eighth-note triplets.
- Vc.**: Bass clef. Measures 188-190 feature eighth-note triplets.
- Cb.**: Bass clef. Measures 188-190 feature eighth-note triplets.

[illegible]

[illegible]

218

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

ff *mf*

ff *mf*

ff *mf*

226

Fl.
1.

Cl.
in B $\flat$

B. Cl.
in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.
(solo)

Vla.

Vc.

Cb.

230

Fl.
1.

Cl.
in B♭

(solo)

B. Cl.
in B♭

Bsn.

Hn. in F

B♭ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

pp

Vla.

Vc.

Cb.

[illegible]

240

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

(solo)

f

pp

mf

f

mf

f

mf

f

mf

mf

arco

mf

arco

arco

arco

mf

[illegible]

252

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln. arco

Vla.

Vc.

Cb.

259

M

(8, 7, 6, 5, 4, 3, 2, 1)

(solo)

f

mf

f

(solo)

f

ff

f

ff

(solo)

f

ff

Fl. 1.

Cl. in B b

B. Cl. in B b

Bsn.

Hn. in F

B b Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

266

Fl.
1.

Cl.
in B♭

B. Cl.
in B♭

Bsn.

Hn. in F

B♭ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

273 **N** $\text{♩} = 156$

Fl. 1. *p* 6 *mp* 6 *mf* 6

Cl. in B $\flat$ *mp* 6 *mf* 6 *f* 6

B. Cl. in B $\flat$ *mp* 6 *mf* 6 *f* 6

Bsn. *mp* 6 *mf* 6 *f* 6

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno. *mp* *mf* *f*

Vln. *mp* *mf* *f*

Vla. *mp* *mf* *f*

Vc. *mp* *mf* *f*

Cb.

[illegible]

[illegible]

[illegible]

284

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt.

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

P

f

ff

mf

f

84-STET OE scale

287

Fl. 1.

Cl. in B $\flat$

B. Cl. in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.

fff

fff

fff

f

f

f

f

ff

[illegible]

[illegible]

1. 2. 296

Fl. 1. *p* *f* *ff* *ff* *ffff*

Cl. in B♭ *fff* *mf* *f* *ff* *ffff*

B. Cl. in B♭ *p* *f* *ff* *ffff*

Bsn. *f* *ffff*

Hn. in F *mf* *f* *ff*

B♭ Tpt. *f* *ff*

Tbn. *f* *ff* *ffff*

Timp. *f* *f* *f*

Cym. *ff*

Tmp. Bl.

Pno. *fff* *f* *f* *fff* *f* *ff*

Vln. *fff* *mf* *f* *ffff*

Vla. *f* *ff*

Vc. *f* *ff*

Cb. *f* *ff*

pizz. 6 12 9 1

arco

300

Fl.
1.

Cl.
in B $\flat$

B. Cl.
in B $\flat$

Bsn.

Hn. in F

B $\flat$ Tpt

Tbn.

Timp.

Cym.

Tmp. Bl

Pno.

Vln.

Vla.

Vc.

Cb.