

David Biedenbender

Shadow Symmetries

for chamber winds

bent space music

Commissioned by and dedicated to my friend Tyler Austin
and the
NewFound Chamber Winds.

Performance materials available from Bent Space Music (Publisher):
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INSTRUMENTATION

2 Flutes

2 Oboes (optional: 2nd doubling English Horn)

2 B^b Clarinets

E^b Alto Saxophone

2 (F) Horns

2 Bassoons

B^b Bass Clarinet

Double Bass (C extension preferred)

Transposed Score

Total duration:

ca. 22:00

I. Ripples (for Rob Carnochan)

ca. 3:15

II. Ouroboros

ca. 5:00

III. Hymn

ca. 7:15

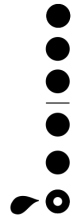
IV. Strange Loops

ca. 6:30

PERFORMANCE NOTE

English Horn – Oboe 2 doubles on English Horn in mvt. 1. If no English Horn is available, this part may be played on oboe or saxophone and is cued in these parts.

Oboe Multiphonic – Oboe 1 plays one multiphonic in mvt. 2, which comes from Libby Van Cleve's *Oboe Unbound* (Multiphonic #1).



PROGRAM NOTE

Shadow Symmetries was written for and is dedicated to my friend Tyler Austin and the NewFound Chamber Winds. The first three movements are lifted from my brass quintet, *Sacred Geometry*, which was inspired by the incredible art of Catalán architect Antoni Gaudí, and the fourth movement fuses music from the final movement of *Sacred Geometry* with material from my marimba concerto *Bent Space*. I felt like I had more to say with this music, so while some of it is a simple translation into a new medium, there are revisions and even reimaginings of the material throughout, enough to warrant a new title. The music moves through a series of mirrored spaces, each reflecting on something deeper, something hidden—sometimes exact, sometimes distorted. Overall, the movements are contrasting, though the first and third are connected in sound and spirit—like strange mirrors of each other—as are the second and fourth.

The first movement, *Ripples*, is dedicated to my friend Rob Carnochan, who passed away unexpectedly in the fall of 2024. I vividly remember hearing about Rob's passing—it took my breath away. It just didn't seem possible. Rob was one of the brightest lights along my path in music—a conductor that believed in me at the beginning of my career and supported me and my music in meaningful and truly formative ways. I miss him, and I will forever be grateful for his artistry and his friendship. In this music, I imagine ripples gently emanating from a stone dropped in glassy water—an invocation to meditate on the relationship and impact we have with time and with each other.

The second movement, *Ouroboros*, is an ancient symbol for a snake eating its own tail. This music is whimsical and absurd. It is political satire.

My earliest musical memories are of singing hymns in church. I have a lasting affection for this seemingly simple form, where four voices move together, while also spinning threads of elegant counterpoint. The third movement, *Hymn*, is a fantasy on the idea of a hymn, an exploration of various colors and combinations that move between clear, hymn-like simplicity and rhapsody.

The title for the final movement, *Strange Loops*, comes from an idea first explored in Douglas Hofstadter's book *Gödel, Escher, Bach*. Hofstadter's concept of strange loops—self-referential systems—get at the heart of the mind and consciousness itself, and in that spirit, this movement is somewhat autobiographical, bringing together ideas spanning decades of my creative life into one continuous thread. To me, this movement *feels* like a rondo—an alternation of contrasting themes—although not a strict one. I imagine these various threads woven together into a larger cord. The strands are made of musical objects that I love, including a rising, “spectral” cloud of sound, built on the harmonic series—the foundation of sound itself, a fugue-like section that references the theme from J.S. Bach's “The Art of the Fugue,” and a heavy metal inflected section that sonically emulates the mind-bending tessellations of M.C. Escher.

for my friend Tyler Austin and the NewFound Chamber Winds

Shadow Symmetries

for chamber winds

David Biedenbender

1. Ripples (for Rob Carnochan)

Adagio, freely; sempre legato ♩ = 52

linger

Flute 1

Flute 2

Oboe 1

English Horn

B♭ Clarinet 1

B♭ Clarinet 2

E♭ Alto Saxophone

Adagio, freely; sempre legato ♩ = 52

F Horn 1

F Horn 2

Bassoon 1

Bassoon 2

B♭ Bass Clarinet

Double Bass

1 2 3 4 5

solo
mp austere, chant
mp
mp

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.....Con moto ♩ = 56

Fl. 1

Fl. 2

Ob. 1

Eng. Hn

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

mp

pp lontano, an echo

pp

pp lontano, an echo

6 7 8 9 10

poco accel.....

Fl. 1

Fl. 2

Ob. 1

Eng. Hn

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

solo non vib. (add with cresc.)

vib.

p

mp

mf

to Oboe

pp

mp

p echoes

poco accel.....

p

pizz.

p

mp

16

17

18

19

20

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22 Adagietto, con moto ♩ = 72

non vib. (add with cresc.)

Fl. 1 *p* *mf* *poco f* *pp glassy*

Fl. 2 *mf* *mf*

Ob. 1 *mf* *p*

Ob. 2

Cl. 1 *mf*

Cl. 2 *p* *p*

A. Sax.

22 Adagietto, con moto ♩ = 72

Hn. 1 *p*

Hn. 2 *p*

Bsn. 1 *mp > p* *mp*

Bsn. 2 *mp > p* *mp*

B. Cl. *mp > p* *mp*

D.B.

Fl. 1 *vib.*

Fl. 2

Ob. 1 *mf*

Ob. 2 *mf* *Ob.* *p*

Cl. 1 *mf*

Cl. 2 *p*

A. Sax. *mf* (blend with fl. & cl.) *mf*

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B. *arco* *mp*

25 26 27 28 29

30

Fl. 1 *mp* *mf* *mp* *mf* *mf*

Fl. 2 *mp* *mf* *p* *f* *p*

Ob. 1 *mp* *mf* *mp* *mf* *mf*

Ob. 2 *p* *p* *f* *p*

Cl. 1 *mp* *mf* *mp* *mf* *mf*

Cl. 2 *p* *p* *f* *p*

A. Sax. *mp* *mf* *mp* *mf* *p an echo*

30

Hn. 1 *p* gently *mf*

Hn. 2 *p* gently *mf*

Bsn. 1 gently *mf*

Bsn. 2 gently *mf*

B. Cl. gently *mf*

D.B. gently *mf*

30 31 32 33 34

40 Calando ♩ = 66 rall.....Lento ♩ = 48

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

Fl. 2 *mf*

Ob. 1 *mf*

Ob. 2 *p*

Cl. 1 *mf* *pp* echo (end solo)

Cl. 2 *p* *mp* *pp* echo solo

A. Sax. *mp*

40 Calando ♩ = 66 rall.....Lento ♩ = 48

Hn. 1 *mp* *p*

Hn. 2 *mp* *p*

Bsn. 1 *mp* *p*

Bsn. 2 *mp* *p*

B. Cl. *mp* *p*

D.B. *mp* *p*

40 41 42 43 44

2. Ouroboros

Playful ♩ = 100

Flute 1

Flute 2

Oboe 1

Oboe 2

B♭ Clarinet 1

B♭ Clarinet 2

E♭ Alto Saxophone

Playful ♩ = 100

F Horn 1

F Horn 2

Bassoon 1

Bassoon 2

B♭ Bass Clarinet

Double Bass

p muttering

"roar": rip up to indefinite pitch, followed by fast, downward fall

sffz

quasi slap tongue (with tongue stop)

mp staccatissimo

mf

The musical score is for a piece titled '2. Ouroboros'. It is in 5/4 time and has a tempo of 'Playful ♩ = 100'. The score is written for a full orchestra, including Flute 1 and 2, Oboe 1 and 2, B♭ Clarinet 1 and 2, E♭ Alto Saxophone, F Horn 1 and 2, Bassoon 1 and 2, B♭ Bass Clarinet, and Double Bass. The score is divided into three measures. The first measure contains a 'p' dynamic marking and the instruction 'muttering' for the B♭ Clarinet 1. The second measure contains a 'sffz' dynamic marking and the instruction 'roar: rip up to indefinite pitch, followed by fast, downward fall' for the F Horn 1. The third measure contains a 'mf' dynamic marking and the instruction 'quasi slap tongue (with tongue stop)' for the B♭ Bass Clarinet. The B♭ Bass Clarinet part is marked 'mp staccatissimo' in the first measure and 'mf' in the third measure. The Double Bass part is marked 'mp staccatissimo' in the first measure and 'mf' in the third measure.

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

(p)

f piercing

f piercing

(use microtonal fingerings or adjust intonation to quarter-tone flat through m. 17)

p muttering

p muttering

p muttering

each "roar" is slightly higher, more intense

sfz

f insistent

4 5 6

11

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

f staccattissimo

f staccattissimo

f staccattissimo

f staccattissimo

sfz (stopped)

sfz (stopped)

f staccattissimo

f staccattissimo

12 13 14

[illegible]

18 dance.

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

ff dizzying

Cl. 2

sffz *f* biting

A. Sax.

18 dance.

Hn. 1

f biting

Hn. 2

Bsn. 1

sffz *f* biting

Bsn. 2

sffz *f* biting

B. Cl.

sffz *f* biting

D.B.

sffz *mp* pizz.

18 19

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Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

f falling up the down escalator

f falling up the down escalator

f

f staccatissimo

f staccatissimo

25 26 27

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

28

29

30

f

sim.

f

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

p

f

p

mp

mf

pizz.

33

34

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

cresc. poco a poco

mp

ffp

6

3

6

6

3

6

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

cresc. poco a poco

ffp

ffp

A musical score for a symphony orchestra, specifically for the piece '2. Ouroboros' from 'Shadow Symmetries'. The score is written for a full orchestra, including Flutes (Fl. 1, Fl. 2), Oboes (Ob. 1, Ob. 2), Clarinets (Cl. 1, Cl. 2), Alto Saxophone (A. Sax.), Horns (Hn. 1, Hn. 2), Bassoons (Bsn. 1, Bsn. 2), Bass Clarinet (B. Cl.), and Double Bass (D.B.). The score is in 3/4 time and features a complex melodic line for the woodwinds, primarily the flutes and oboes, which are playing a series of eighth and sixteenth notes, often in groups of six (6) and three (3). The woodwinds are marked with 'ffp' (fortissimo piano) and 'cresc. poco a poco' (crescendo poco a poco). The brass instruments (Hn. 1, Hn. 2, Bsn. 1, Bsn. 2, B. Cl., D.B.) are mostly playing sustained notes or rests. The string section (Bsn. 1, Bsn. 2, B. Cl., D.B.) is also playing sustained notes or rests. The score is marked with a large red 'COPY' watermark.

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

40 burst.

This musical score is for the piece 'Shadow Symmetries | 2. Ouroboros'. It is a page from a larger score, with the page number 28 at the top left. The score is written for a large orchestra, including Flutes (Fl. 1, Fl. 2), Oboes (Ob. 1, Ob. 2), Clarinets (Cl. 1, Cl. 2), Alto Saxophone (A. Sax.), Horns (Hn. 1, Hn. 2), Bassoons (Bsn. 1, Bsn. 2), Bass Clarinet (B. Cl.), and Double Bass (D.B.). The music is in 4/4 time and features a variety of musical notations, including eighth notes, sixteenth notes, and triplets. Dynamics such as *f* (forte) and *ff* (fortissimo) are indicated. The score is divided into measures, with measure numbers 42 and 43 visible at the bottom. A large, semi-transparent red watermark reading 'PENSUM' is overlaid diagonally across the page. The score is written for a large orchestra, including Flutes (Fl. 1, Fl. 2), Oboes (Ob. 1, Ob. 2), Clarinets (Cl. 1, Cl. 2), Alto Saxophone (A. Sax.), Horns (Hn. 1, Hn. 2), Bassoons (Bsn. 1, Bsn. 2), Bass Clarinet (B. Cl.), and Double Bass (D.B.). The music is in 4/4 time and features a variety of musical notations, including eighth notes, sixteenth notes, and triplets. Dynamics such as *f* (forte) and *ff* (fortissimo) are indicated. The score is divided into measures, with measure numbers 42 and 43 visible at the bottom.

Fl. 1 *f* 9 *ff*

Fl. 2 5 5 9 *ff*

Ob. 1 5 5 *ff*

Ob. 2 5 5 9 *ff*

Cl. 1 *ff*

Cl. 2 *ff*

A. Sax. 5 9 *fff*

Hn. 1 (ord.)

Hn. 2 (ord.)

Bsn. 1

Bsn. 2

B. Cl.

D.B.

44 45

Fl. 1

mf 6

Fl. 2

mf *f*

Ob. 1

mf *f*

Ob. 2

mf 6

Cl. 1

Cl. 2

A. Sax.

Hn. 1

ff *mp*

Hn. 2

ff *mp*

Bsn. 1

sfz

Bsn. 2

sfz

B. Cl.

sfz

D.B.

46

48 groove.

Fl. 1 *f* *ff*

Fl. 2 *ff*

Ob. 1 *ff*

Ob. 2 *f* *ff*

Cl. 1 *ff* heavy *f*

Cl. 2 *ff* heavy

A. Sax. *ff* *ff*

48 groove.

Hn. 1 *ff*

Hn. 2 *ff*

Bsn. 1 *sffz* *ff* heavy *f*

Bsn. 2 *sffz* *ff* heavy *f*

B. Cl. *sffz* *ff* heavy

D.B. *ff* heavy

47 48 49

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(overblow harmonics with cresc.)

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

58 59 60 61

64 gush.

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

p

mp

mf

f

ff

62

63

64

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71 chorale.

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

68

69

70

71

mp cantabile

mp

ff

mp

f

f

mf

5:6

3

mp

mf

5:6

3

mp

81

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

81

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

77 78 79 80 81 82 83 84

p

(pizz.)

90 groove (a tempo)

Fl. 1 G.P.

Fl. 2 G.P.

Ob. 1 G.P. *p delicate* *ff* *ffz*

Ob. 2 G.P. *p delicate* *ff* *ffz*

Cl. 1 G.P. *p delicate* *f*

Cl. 2 G.P. *p delicate* *f*

A. Sax. G.P. *ff heavy*

90 groove (a tempo)

Hn. 1 G.P.

Hn. 2 G.P. *ff heavy*

Bsn. 1 G.P. *ff*

Bsn. 2 G.P. *ff heavy*

B. Cl. G.P. *p delicate* *ff heavy* *arco*

D.B. G.P. *ff heavy*

85 86 87 88 89 90

This musical score page contains measures 91, 92, and 93. The instruments and their parts are as follows:

- Fl. 1 & 2:** Flutes 1 and 2. Both play a whole note in measure 91, a quarter rest in measure 92, and a quarter note with an accent in measure 93. Dynamic: *sfz*.
- Ob. 1 & 2:** Oboes 1 and 2. Oboe 1 plays a whole note in measure 91, a quarter rest in measure 92, and a quarter note with an accent in measure 93. Oboe 2 plays a quarter note in measure 91, a quarter rest in measure 92, and a quarter note in measure 93. Dynamic: *ff* for Oboe 2.
- Cl. 1 & 2:** Clarinets 1 and 2. Both play a continuous eighth-note pattern throughout all three measures. Dynamic: *ff*.
- A. Sax.:** Alto Saxophone. Plays a whole note in measure 91, a quarter rest in measure 92, and a quarter note with an accent in measure 93. Dynamic: *sfz*.
- Hn. 1 & 2:** Horns 1 and 2. Horn 1 is silent. Horn 2 plays a whole note in measure 91, a quarter rest in measure 92, and a quarter note in measure 93.
- Bsn. 1 & 2:** Bassoons 1 and 2. Bassoon 1 plays a quarter note in measure 91, a quarter rest in measure 92, and a quarter note in measure 93. Bassoon 2 plays a whole note in measure 91, a quarter rest in measure 92, and a quarter note in measure 93.
- B. Cl.:** Baritone Clarinet. Plays a whole note in measure 91, a quarter rest in measure 92, and a quarter note in measure 93.
- D.B.:** Double Bass. Plays a whole note in measure 91, a quarter rest in measure 92, and a quarter note in measure 93.

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

94

95

96

ff

ff

ffz

mp

f

sffz

mp

p

pp

sffz

mp

p

pp

f

f

mp

f

mp

98

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

98

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

mf *ff*

f falling up the down escalator...again

f falling up the down escalator...again

f falling up the down escalator...again

ff

ff

p

f pizz.

mf

97 *f* 98 *mf* 99

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

ff

ff

ff

ff

mp

p

mp

p

mp

p

cresc. poco a poco

cresc. poco a poco

cresc. poco a poco

cresc. poco a poco

open

open

mp

p

mp

p

mp

p

100

101

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

cresc......

cresc......

cresc......

mf

3 6

3 6 6

6 6

6 3 6 6 3

6 6

6 6

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

105

Fl. 1 *f* 6

Fl. 2

Ob. 1 *mf*

Ob. 2 *f* 6

Cl. 1 3 6

Cl. 2 6 6 3 6

A. Sax. 3 6 6 3 6

105

Hn. 1 6 3 6 6

Hn. 2 3 6 6 3 6

Bsn. 1 6 3 6 6

Bsn. 2 6 3 6 6

B. Cl. *sim. (bell tones)* 3

D.B. *ff* 3

105

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

106

107

108

fff no dim.

fff no dim.

fff no dim.

fff no dim.

fff no dim.

fff no dim.

fff no dim.

ff no dim.

ff no dim.

fff

fff

fff

fff honky

fff honky

fff honky

pizz.

fffz

p

arco

ff

3. Hymn

Slowly, sempre legato ♩ = 63
poco vib. (blend with cl.)

Flute 1 *sighing* *mp* *pp* *mp* *p* *mp* *pp* *p* (♩ = ♩)

Flute 2 *sighing* *mp* *pp* *mp* *p* *mp* *pp* *p*

Oboe 1

Oboe 2

B♭ Clarinet 1 *sighing* *mp* *pp* *mp* *p* *mp* *pp* *p*

B♭ Clarinet 2

E♭ Alto Saxophone

Slowly, sempre legato ♩ = 63 (♩ = ♩)

F Horn 1

F Horn 2

Bassoon 1

Bassoon 2

B♭ Bass Clarinet

Double Bass

Fl. 1 *mf-p sim.*

Fl. 2 *mf-p sim.*

Ob. 1

Ob. 2

Cl. 1 *mf-p sim.*

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

15

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

15

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

15 16 17 18 19

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rit.

[30] With more motion ♩ = 80

Fl. 1
mf — *f* — *p*

Fl. 2
— *f* — *p*

Ob. 1
p gossamer — *mf*

Ob. 2
p gossamer — *mf*

Cl. 1
f — *p*

Cl. 2
mf — *p*

A. Sax.
mf — *p*

rit.

[30] With more motion ♩ = 80

Hn. 1
mf — *p*

Hn. 2
p — *mf* — *p*

Bsn. 1
mf — *p*

Bsn. 2
mf — *p*

B. Cl.
mf — *p*

D.B.
pizz. arco
mf — *p*

27 28 29 30 31 32

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43

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

molto rit......

mf

mf

mf

mf

mp

p

mf

mp

mp

mp

mp

mp

pizz.

mp

44 45 46 47 48 49

($\overset{3}{\text{♩}} = \text{♩}$) [52] Liltng, unhurried, legato ♩. = 63

Fl. 1
Fl. 2
Ob. 1
Ob. 2
Cl. 1
Cl. 2
A. Sax.
Hn. 1
Hn. 2
Bsn. 1
Bsn. 2
B. Cl.
D.B.

f p mf > p solo p espr.

arco II pp

50 51 52 53 54

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64

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70 Rising

Fl. 1 *mf-p mf > p* *f*

Fl. 2 *mf-p mf > p* *mf* *f*

Ob. 1 *mf-p mf > p* *mf* *f*

Ob. 2 *fp bell tones* *f*

Cl. 1 *mf* *f*

Cl. 2 *mf-p* *mf fp bell tones* *f*

A. Sax. *mf-p* *f*

Hn. 1 *f*

Hn. 2 *mf* *f*

Bsn. 1 *mf-p mf > p* *mf* warm, rich, legato

Bsn. 2 *mf-p mf > p* *mf* warm, rich, legato

B. Cl. *mf-p mf > p* *mf* warm, rich, legato

D.B. *pizz.* *mf* *arco* *mf* warm, rich, legato

68 69 70

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

pp molto legato

mf

pp

pp molto legato

mf

71

72

74

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

75

76

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

77

78

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

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Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

82

83

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

84

85

86

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

86

Hn. 1

ff

Hn. 2

ff

Bsn. 1

Bsn. 2

B. Cl.

D.B.

pizz.

arco

86 87 88

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Fl. 1 *f* *fff* 94 Aching

Fl. 2 *f* *fff*

Ob. 1 *f* *fff*

Ob. 2 *f* *fff*

Cl. 1 *f* *fff*

Cl. 2 *f* *fff*

A. Sax. *f* *fff*

Hn. 1 (open) *f* *fff* 94 Aching

Hn. 2 (open) *f* *fff*

Bsn. 1 *fff*

Bsn. 2 *fff*

B. Cl. *fff*

D.B. *fff* *pizz.* *fffz*

92 93 94

98

99 Slower, gently ♩ = 52

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

mp > pp

mp > pp mp > pp

sim.

non vib.

ppp lontano

non vib.

ppp lontano

mp > pp

mp > pp mp > pp

sim.

mp > pp

mp > pp mp > pp

sim.

4

2

2

4

4

99 Slower, gently ♩ = 52

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

(♩ = ♩) 106 Distant, a memory ♩ = 52

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

ppp *lontano*

mp warm, rich

mp warm, rich

mp warm, rich

mp warm, rich

mp warm, rich

pizz.

p

mp warm, rich

103 104 105 106 107

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*Swell, beginning from niente, for full value of note to a sharp cresc. and an abrupt release. Resulting texture should sound like a recording of a bell tone played in reverse, like a memory in rewind. Balance slightly below the chorale.

114

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

112 113 114 115

mf *f* *p* *mp*

114

112 113 114 115

4. Strange Loops

non vib.

Steady, pulsing ♩ = 96

Flute 1

Flute 2

Oboe 1

Oboe 2

B♭ Clarinet 1

B♭ Clarinet 2

E♭ Alto Saxophone

F Horn 1

F Horn 2

Bassoon 1

Bassoon 2

B♭ Bass Clarinet

Double Bass

mp

ff

p

non vib.

Steady, pulsing ♩ = 96

spectral multiphonic (overblow harmonic series, ad lib.)

This image shows a page of a musical score, likely for a symphony orchestra. The score is written for multiple instruments, including Flutes 1 and 2, Oboes 1 and 2, Clarinets 1 and 2, Alto Saxophone, Horns 1 and 2, Bassoons 1 and 2, Bass Clarinet, and Double Bass. The notation includes various musical symbols such as notes, rests, and dynamic markings like *f*, *mp*, and *p*. The score is divided into two systems, with the first system ending at a double bar line and the second system continuing the music. The instruments are listed on the left side of the page, and the corresponding staves are arranged vertically. The music is written in a standard musical notation with a key signature of one flat (B-flat) and a time signature of 3/4. The score includes various musical notations such as notes, rests, and dynamic markings like *f*, *mp*, and *p*. The score is divided into two systems, with the first system ending at a double bar line and the second system continuing the music. The instruments are listed on the left side of the page, and the corresponding staves are arranged vertically. The music is written in a standard musical notation with a key signature of one flat (B-flat) and a time signature of 3/4.

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Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

11

12

13

p *f* *p* *f* *p* *f* *p*

f *p* *f* *p* *f* *p*

(stopped)

sfz *sfz* *sfz*

mf

f precise, groovy

mf

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

f

f

f

mf

(open)

f raucons, articulate, slightly separated

cresc.

cresc.

14

15

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

ff

mf

ff

mf

18

19

This musical score is for the piece "4. Strange Loops" from the "Shadow Symmetries" collection. It is a page from a larger score, as indicated by the page number 89 in the top right corner. The score is written for a large ensemble, including woodwinds, brass, and strings. The instruments listed on the left are Fl. 1, Fl. 2, Ob. 1, Ob. 2, Cl. 1, Cl. 2, A. Sax., Hn. 1, Hn. 2, Bsn. 1, Bsn. 2, B. Cl., and D.B. The score is divided into two measures, 20 and 21, with a double bar line between them. The key signature is one flat (B-flat), and the time signature is 4/4. The music features a variety of rhythmic patterns, including eighth and sixteenth notes, and rests. There are several dynamic markings, including *mp* (mezzo-piano) and *mf* (mezzo-forte). There are also several articulation marks, including accents and slurs. The woodwind section (Flutes, Oboes, Clarinets, and Saxophone) plays a melodic line with many slurs and accents. The brass section (Horns and Trombones) plays a rhythmic pattern of eighth notes. The string section (Double Bass) plays a simple rhythmic pattern of eighth notes. The score is written in a standard musical notation style, with a large red watermark "DRAFT" across the center.

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

20

21

mp

mp

(overflow harmonics)

22

Fl. 1

f

(overflow harmonics)

Fl. 2

f

Ob. 1

Ob. 2

Cl. 1

mf

mp

Cl. 2

mf

mp

A. Sax.

ff

22

Hn. 1

ff

Hn. 2

ff

Bsn. 1

ff

f

mp

Bsn. 2

ff

f

mp

B. Cl.

ff

f

mp

D.B.

ff

f

mp

22 23 24

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

p

25 26 27

The musical score is arranged in a system of staves. The woodwind section includes two Flutes (Fl. 1, Fl. 2), two Oboes (Ob. 1, Ob. 2), two Clarinets (Cl. 1, Cl. 2), an Alto Saxophone (A. Sax.), two Horns (Hn. 1, Hn. 2), two Bassoons (Bsn. 1, Bsn. 2), and a Baritone Clarinet (B. Cl.). The Double Bass (D.B.) is at the bottom. The score spans measures 25, 26, and 27. The key signature has one flat (B-flat). The time signature is 4/4. The woodwinds play complex, often chromatic, patterns. The brass instruments (Horns, Bassoons, Baritone Clarinet) are mostly silent, indicated by rests. The Double Bass plays a simple, rhythmic pattern. A large red watermark 'Prohibited Copy' is overlaid diagonally across the page.

[illegible]

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

35

36

37

mf

f

p

arco

pizz. b

f

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

mp *f*

Hn. 1

mf

Hn. 2

mf

Bsn. 1

Bsn. 2

B. Cl.

D.B.

38 39 40

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Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

pp

mp

pp

mp

mp

56 57 58 59

Detailed description: This musical score page covers measures 56 to 59. The instruments are arranged in a standard orchestral layout. Flutes 1 and 2, Oboes 1 and 2, and the Alto Saxophone are in the upper woodwind section. Clarinets 1 and 2 have active parts in measures 56 and 57. Horns 1 and 2 are in the upper brass section. Bassoon 1 and 2 are in the lower woodwind section, with Bassoon 1 having a melodic line in measures 56 and 57. Baritone Clarinet and Double Bass are in the lower brass section. Dynamics include *pp* (pianissimo) and *mp* (mezzo-piano). A large red watermark 'Draft Copy' is visible across the page.

60

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

60

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

p

pp

mp

p

pp

mp

p

pp

mp

p

60

61

62

63

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

mp

pizz.

p

p

p

64 65 66

Detailed description: This musical score page covers measures 64, 65, and 66. The woodwind section includes Flutes 1 and 2, Oboes 1 and 2, Clarinets 1 and 2, Alto Saxophone, Horns 1 and 2, Baritone Saxophone 1, Baritone Saxophone 2, and Bass Clarinet. The string section includes Double Bass. In measure 64, Clarinet 1 plays a melodic line with slurs and ties, while Clarinet 2 and Double Bass have rests. In measure 65, Clarinet 1 continues its line, Clarinet 2 enters with a similar melodic pattern, and Double Bass has a rest. In measure 66, Clarinet 1 and 2 continue their lines, while Horn 1, Horn 2, Baritone Saxophone 1, and Double Bass play sustained notes with dynamic markings. A large red watermark 'PencilSketch' is visible across the score.

69

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

70

71

arco

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

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

ff

p

ff

f

pp

f

p

ff

f

72

73

74

75

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

75

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

75 76 77

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

pizz.

p

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

p

mp

mp

mp

mp

mp

p secco

p secco

(non staccato)

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Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

90

ff

ff

ff

f

ff

f

pp *ff* *pp*

ff *f*

90

ff

ff

pp

pp

ff *mf*

ff *mf*

ff *mf*

ff *pizz.* *mf*

89 90 91

Fl. 1 *f*

Fl. 2 *f*

Ob. 1

Ob. 2

Cl. 1 *f* *pp* *ff* *pp*

Cl. 2 *f*

A. Sax. *f* *f*

Hn. 1 *f* *pp*

Hn. 2 *f* *pp*

Bsn. 1

Bsn. 2

B. Cl.

D.B.

Fl. 1

Fl. 2

Ob. 1
f staccatissimo

Ob. 2
f staccatissimo

Cl. 1
mf

Cl. 2
mf

A. Sax.
sfz *mf* *p* *mf*

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

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110

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

ff

sfz

sfz

sfz

sfz

sfz

sfz

sfz

sfz

mp mechanical

f

p

f

p

pizz.

sfz

sfz

sfz

sfz

sfz

sfz

109

110

111

112

115

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

115

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

113 114 115 116

This musical score page contains measures 113 through 116. The instruments are arranged in two systems. The first system includes Flute 1, Flute 2, Oboe 1, Oboe 2, Clarinet 1, Clarinet 2, and Alto Saxophone. The second system includes Horn 1, Horn 2, Bassoon 1, Bassoon 2, Baritone Clarinet, and Double Bass. Measures 113 and 114 are in 4/4 time, while measures 115 and 116 are in 3/4 time. The score features various musical notations including dynamics (f, p, sfz), articulation (accents), and phrasing slurs. A large red watermark is visible across the center of the page.

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Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

p *f* *p* *f* *p*

mp *sfz* *sfz*

121 122 123 124

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

mf

mf

f *p*

mf

sfz

(open)

mp

mf

3

3

3

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

128

129

130

134

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

f

f

f

f

mf *fp* *f*

mf *fp* *f*

mf *sfz*

mf *sfz*

pp

pp

f

f

mf *fp* *f*

mf *sfz*

138

139

140

143

144

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

144

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

arco

f

pp

ff

pp

f

144 145 146

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

p < *f*

p < *f*

fp <

mf — *fp* < *f*

p < *f*

fp <

mf — *fp* < *f*

p < *f*

fp <

mf — *fp* < *f*

p < *f*

fp <

f — *pp*

f

f — *pp*

f

mf — *fp* < *f*

151

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

151

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

150 151 152 153

This musical score page contains measures 154, 155, and 156. The instrumentation includes:

- Flutes (Fl. 1, Fl. 2):** Fl. 1 plays a melodic line with slurs and accents. Fl. 2 plays a similar line with a triplet in measure 154.
- Oboes (Ob. 1, Ob. 2):** Ob. 1 has a melodic line with slurs and accents. Ob. 2 plays a similar line with a triplet in measure 154.
- Clarinets (Cl. 1, Cl. 2):** Both play sustained notes (half notes) in measure 154 and then rest.
- Alto Saxophone (A. Sax.):** Plays a melodic line starting in measure 155, marked with a forte (*f*) dynamic.
- Horns (Hn. 1, Hn. 2):** Both play a melodic line starting in measure 155, marked with a mezzo-piano (*mp*) dynamic that fades to a pianissimo (*pp*) dynamic.
- Bassoons (Bsn. 1, Bsn. 2):** Both play a rhythmic pattern of eighth notes, marked with a forte (*f*) dynamic.
- Bass Clarinet (B. Cl.):** Plays a rhythmic pattern of eighth notes, marked with a forte (*f*) dynamic.
- Double Bass (D.B.):** Plays a rhythmic pattern of eighth notes, marked with a forte (*f*) dynamic.

The score is written for a full orchestra, with measures 154, 155, and 156 clearly marked at the bottom.

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

157

158

159

ff *pp* *f* *pp*

ff *pp* *f* *pp*

[illegible]

Fl. 1
mp 3 3 3 3

Fl. 2
mp 3 3 3 3

Ob. 1
5

Ob. 2
5

Cl. 1
6 5 3 *p*

Cl. 2
5 6 5 3 *p*

A. Sax.
5 6 5 3 3

Hn. 1
p *ff*

Hn. 2
p *ff*

Bsn. 1

Bsn. 2

B. Cl.

D.B.

163 164

[illegible]

168

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Fl. 1

Fl. 2

Ob. 1

Ob. 2

Cl. 1

Cl. 2

A. Sax.

Hn. 1

Hn. 2

Bsn. 1

Bsn. 2

B. Cl.

D.B.

172

173

p *ff* *ff* *ff*

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