

Joseph Klein

Pathways IV: Rhymes & Spirals

(2024)

for piano and chamber orchestra

— for Redi Llupa —

duration: c. 20'

- I. Descent — Fragmentation
- II. Uprising — Malaise
- III. Transmission — Response — Skirmish (cadenza)
- IV. Interregnum — Breach — Plus ça change (coda)

“Was die Erfahrung aber und die Geschichte lehren, ist dieses, daß Völker und Regierungen niemals etwas aus der Geschichte gelernt.” (“What experience and history teach is that peoples and governments never learn anything from history.”)

— Georg Wilhelm Friedrich Hegel, *Vorlesungen über die Philosophie der Geschichte* (*Lectures on the Philosophy of History*), 1832

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“Those who fail to remember History are doomed to repeat it.”

— George Santayana, *The Life of Reason* (1905)

* * *

“It has been said that history repeats itself. This is perhaps not quite correct; it merely rhymes.”

— Theodor Reik, “The Unreachables” (1965)

* * *

“...history, as you may know, is much like a spiral staircase that gives the illusion of going up, but never quite goes anywhere.”

— Robert Jackson Bennett, *City of Stairs* (2014)

* * *

“Some people say history moves in a spiral... We travel through time in a circular trajectory, our distance increasing from an epicenter only to return again, one circle removed.”

— Ocean Vuong, *On Earth We're Briefly Gorgeous* (2019)

* * *

“[H]istory is not a line; it is a spiral. We don't repeat moments in time, but we come back around, echoing them.”

— Andrea Stewart, *The Bone Shard Emperor* (2021)


Instrumentation


- Flute (dbl. piccolo and alto flute)
- Oboe (dbl. English horn)
- Bb clarinet (dbl. Bb bass clarinet)
- Bassoon


- F horn
- Bb Trumpet
- Tenor trombone
- Tuba
- 2 Percussion

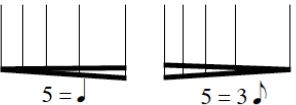
- Violin I
- Violin II
- Viola
- Violoncello
- Contrabass


Notation


 durational continuum within *senza misura* sections, arranged from shortest to longest


 pause continuum within *senza misura* sections, arranged from shortest to longest


 fermata continuum, arranged from shortest to longest


 accelerando/ritardando groupings; duration indicated in metered sections.


 play material within box (*ad libitum*) for the duration of the wavy line


 play material within repeat brackets as indicated for the duration of the solid line


 smooth, even portamento/glissando


 erratic, uneven portamento/glissando


 contoured crescendo

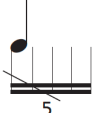
 *senza misura*


flt.
 winds: fluttertongue

 metered notation: beat units fixed without specific measure units.

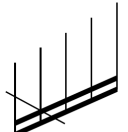
 brass: closed (mute); horn: stopped

 beat groupings (2, 3) in compound meters

 brass: rapidly rearticulate attack (double-tongue)

 freely insert bracketed material within texture

 percussion: depress pedal indefinitely (until release is indicated)


 play beamed note grouping as rapidly as possible

 percussion: pedal release

 *laissez vibrer*

 percussion: dead stroke

f | *mp* *subito* dynamic change

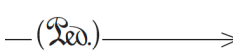







 percussion (chimes): rapid glissando over the entire range of the instrument upward across the sharp tubes and downward across the natural tubes

mf ± slight fluctuations around dynamic level indicated (*ad libitum*)

1/2 clb strings: play with the bow rotated so that both the hair and stick make contact with the string

↑ ↓ cues/synchronization of parts

piano notation:

	depress pedal depress pedal indefinitely (until release is indicated)		chromatic cluster (in the register indicated)
	gradually release pedal		upward strum, downward strum
	suddenly release pedal		silently depress all keys within the range indicated
	fingernail pluck (single note) / strum (cluster)		
	muffle string with finger(s) while playing notes on keyboard.		

Notes

Percussion instruments and striking implements:

Player 1: vibraphone, 3 timpani (28", 23", 20"), claves, bongo drums, 3 tam-tams, crash cymbals, slapstick; hard felt timpani sticks, brushes, tam-tam beater, hard plastic mallets, hard rubber mallets (3), hard yarn mallets, soft yarn mallets (4).

Player 2: glockenspiel, xylophone, chimes, mark tree, bell tree, snare drum, large bass drum, ratchet, sleigh bells, 4 roto toms (14", 12", 10", 8"), large suspended cymbal, brake drum; medium rubber mallets, hard rubber mallets, soft yarn mallets, hard plastic mallets, wood (snare drum) sticks, bass drum beater, chime hammers (2), brushes.

Brass players require mutes the following mutes:

Horn: standard mute

Trumpet: straight mute, cup mute, plunger

Trombone: straight mute, cup mute

Tuba: standard mute

Accidentals apply only to the pitches they immediately precede, except in the case of repeated notes.

The pianist will be required to perform several techniques inside the piano, including muffling and plucking individual strings, strumming and slapping groups of strings, and glissandi requiring a 1" glass guitar slide.

Program Notes

Begun in 1993, *Pathways* is a series of works for solo instrument and chamber orchestra which consists of a single, fixed accompaniment in the ensemble through which each of the featured solo instruments traverses a unique path. To date, four iterations of the work have been composed, featuring trombone, percussion, soprano saxophone, and piano. The conceptual metaphor for *Pathways* is that of a traveler's unique and personal relationship with the surroundings on any given journey. Though a single road may be taken by several individuals (or by the same individual on different occasions), the various experiences and responses to the particular environment may differ substantially. Such factors as the time of day, climate, or the traveler's mood may have a profound effect upon the experience and consequent response of the individual. In the *Pathways* series, the ensemble acts as a sonic landscape through which the soloist (i.e., the traveler) wends its way. Because the solo part is intended to reflect the unique "personality" of the particular featured instrument, these may differ from one another substantially, to the extent that each section within the work as a whole may be directed (and subsequently perceived) in a number of different ways, thus influencing the dynamic unfolding of the overall work.

The fourth in the series, *Pathways IV: Rhymes & Spirals* was composed in 2023-24 for pianist Redi Llupa, and is intended as a commentary on the political and cultural events in the United States (and elsewhere in the world) over the previous decade. The title refers to the cyclical nature of political ideologies, global pandemics, social movements, and the disruption to the prevailing order associated with these phenomena.

Pathways IV: Rhymes & Spirals

for solo piano and large chamber ensemble

Joseph Klein
(2024)

I.

Descent

The score is for a piece titled "Descent" from "Pathways IV: Rhymes & Spirals" by Joseph Klein (2024). It is a transposed score for solo piano and large chamber ensemble. The tempo is marked as $\text{♩} = \text{c. } 52$. The solo piano part begins with a *p lugubrious* marking and features a descending melodic line with triplets and a quintuplet. The chamber ensemble includes Flute/Alto Flute/Piccolo, Oboe/English Horn, B♭ Clarinet/B♭ Bass Clarinet, Bassoon, F Horn, B♭ Trumpet, Trombone, Tuba, Percussion (1 and 2), Violin I, Violin II, Viola, Violoncello, and Contrabass. The B♭ Trumpet, Trombone, and Tuba parts are marked "take mute (straight)". The Solo Piano part includes a *mp* marking and a *8vb* marking. The score is marked "1a" at the bottom.

A ♩ = c. 52

FL
EH
B \flat BCL
BN

F HN
B \flat TP
TN
TB

VIBRAPHONE w/med rubber
motor on (fast)

1 *mp* *p*

PRC *mp* *ppp* (barely audible)

GLOCKENSPIEL w/med rubber

MARK TREE: very gently rustle bars in top third of instrument

S PF

A ♩ = c. 52

VN I *p* crystalline, senza espress.

VN II *p* crystalline, senza espress.

VA *p* crystalline, senza espress.

VC *p* crystalline, senza espress.

CB *p* crystalline, senza espress.

1

2

3

The musical score is organized into several systems. The top system includes woodwinds: Flute (FL), English Horn (EH), B♭ Clarinet (B♭ BCL), Bassoon (BN), Flute in High Register (F HN), B♭ Trumpet (B♭ TP), Tenor Saxophone (TN), and Trombone (TB). The second system includes Percussion (PRC) with two parts: (VIB) and (MARK TREE). The third system is for Piano/Forte (S PF). The bottom system includes strings: Violin I (VN I), Violin II (VN II), Viola (VA), Violoncello (VC), and Contrabass (CB). Large numbers (4, 3, 2) are placed at the beginning and end of measures in the woodwind and string staves. The percussion part includes specific instructions like (VIB) and (MARK TREE) with arrows. The piano part features dynamic markings like *mp* and *p*, and includes complex rhythmic figures with triplets and 5:4 ratios. The string parts have long, sustained notes with various articulations.

4

5

6

7

The musical score is organized into systems. The first system includes woodwinds (FL, EH, Bb BCL, BN) and percussion (PRC). The second system includes woodwinds (F HN, Bb TP, TN, TB). The third system includes strings (S PF) and woodwinds (VN I, VN II, VA, VC, CB). The percussion part (PRC) has two staves, with the top staff for a snare drum and the bottom for a bass drum. The woodwind parts (EH, Bb BCL, TN, TB, VA, VC, CB) feature large, bold time signatures (2, 3, 4) indicating changes in meter. The string part (S PF) includes complex rhythmic patterns with triplets and quintuplets, and dynamic markings like *mp* and *p*. The percussion part (PRC) includes performance instructions: (VIB) for vibraphone, (Xea) for xylophone, and (MARK TREE) for a tree trunk. The score is divided into measures 8, 9, 10, 11, and 12, with measure numbers in boxes at the bottom.

Musical score for Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation, measures 13-17. The score is arranged in systems for various instruments and includes performance instructions.

Instrumentation and Time Signatures:

- FL (Flute): Treble clef, 3/2 time signature.
- EH (English Horn): Treble clef, 3/2 time signature.
- B \flat BCL (B-flat Bass Clarinet): Treble clef, 3/2 time signature.
- BN (Bassoon): Bass clef, 3/2 time signature.
- F HN (Flute in High Register): Treble clef, 3/2 time signature.
- B \flat TP (B-flat Trumpet): Treble clef, 3/2 time signature.
- TN (Trombone): Bass clef, 3/2 time signature.
- TB (Tuba): Bass clef, 3/2 time signature.
- PRC (Percussion): Two staves. Staff 1: Treble clef, includes (VIB) and (Xeo) markings. Staff 2: Bass clef, includes (MARK TREE) marking.
- S PF (String Percussion): Treble and Bass clefs, includes *mp* and *p* markings, and a (δ^{ub}) marking.
- VN I (Violin I): Treble clef, 3/2 time signature.
- VN II (Violin II): Treble clef, 3/2 time signature.
- VA (Viola): Treble clef, 3/2 time signature.
- VC (Violoncello): Treble clef, 3/2 time signature.
- CB (Cello): Bass clef, 3/2 time signature.

Performance Instructions:

- PRC 1: (VIB) marking above the staff.
- PRC 1: (Xeo) marking with a right-pointing arrow below the staff.
- PRC 2: (MARK TREE) marking above the staff.
- S PF: *mp* marking in the treble staff, *p* marking in the bass staff.
- S PF: (δ^{ub}) marking in the bass staff.
- S PF: Fingerings 5, 3, 3, 3 indicated in the bass staff.

Measure Numbers: 13, 14, 15, 16, 17

Musical score for Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation, measures 18-22. The score is arranged in systems for various instruments:

- FL** (Flute)
- EH** (E-flat Horn)
- B \flat BCL** (B-flat Baritone Clarinet)
- BN** (Bassoon)
- F HN** (Flute in High Register)
- B \flat TP** (B-flat Trumpet)
- TN** (Trombone)
- TB** (Tuba)
- PRC** (Percussion): Includes (VIB) (Vibraphone), GLOCK (Glockenspiel), and MARK TREE (Mark Tree). Performance instructions include *mp*, *p*, and *ppp*. A note indicates: "MARK TREE: very gently rustle bars in middle third of instrument".
- S PF** (String Percussion): Includes *mp* and *p* dynamics. A note indicates: "8^{vb}" (8 vib).
- VN I** (Violin I)
- VN II** (Violin II)
- VA** (Viola)
- VC** (Violoncello)
- CB** (Contrabass)

Measures 18, 19, 20, 21, and 22 are indicated at the bottom of the score. Large numbers 2 and 3 are placed in the upper staves of measures 19 and 20, likely indicating a 2/3 time signature change.

Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation

Musical score for Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation, measures 23-28. The score is arranged in systems for various instruments and voices.

System 1: FL, EH, B \flat BCL, BN. Large numbers 2 and 3 are placed in the EH and B \flat BCL staves respectively.

System 2: F HN, B \flat TP, TN, TB. Large numbers 2 and 3 are placed in the TN and TB staves respectively.

System 3: PRC (1 and 2). Part 1 includes markings (VIB), (Lead), and (MARK TREE). Part 2 is a percussive line.

System 4: S PF. Piano part with complex textures, including triplets and a 5-measure phrase. A dashed line indicates an 8 \flat octave.

System 5: VN I, VN II, VA, VC, CB. Large numbers 2 and 3 are placed in the VA and VN II staves respectively.

Measures 23, 24, 25, 26, 27, and 28 are indicated at the bottom of the page.

B

FL

EH

B \flat BCL

BN

F HN

B \flat TP

TN

TB

1

PRC

2

(VIB)

(Roo)

(MARK TREE)

mp

GLOCK

mp

ppp

MARK TREE: very gently rustle bars in bottom third of instrument

S PF

mp

p

mp

mf

mp

3

8 vb

3

4 = d

B

VN I

VN II

VA

VC

CB

29

30

31

32

Musical score for Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation, measures 33-35. The score is arranged in systems for various instruments and includes dynamic markings and performance instructions.

System 1: FL, EH, B \flat BCL, BN. Large numbers 4 and 2 are on the left, and 3 and 2 are on the right.

System 2: F HN, B \flat TP, TN, TB. Performance markings include *mp*, *n*, and "mute (straight)". A dashed line with "(+)" and an arrow is above the F HN staff. Large numbers 4 and 2 are on the left, and 3 and 2 are on the right.

System 3: 1 PRC, 2 PRC. Performance markings include "(VIB)", "(Rea.)", and "(MARK TREE)".

System 4: S PF. Performance markings include *mf*, *mp*, and *mf*. Fingerings 3, 4, and 5 are indicated. A dashed line with "(8 \flat)" is below the bass staff.

System 5: VN I, VN II, VA, VC, CB. Large numbers 4 and 2 are on the left, and 3 and 2 are on the right.

33

34

35

The musical score is arranged in systems. The first system (measures 36-39) includes parts for FL, EH, B♭ BCL, and BN. The second system includes F HN, B♭ TP, TN, and TB. The third system includes PRC (1 and 2) and S PF. The fourth system includes VN I, VN II, VA, VC, and CB. Measure numbers 36, 37, 38, and 39 are indicated at the bottom of the page.

Instrumentation and Dynamics:

- FL, EH, B♭ BCL, BN:** Rests.
- F HN:** *n* (measures 36-37), *mp* (measure 38), *n* (measure 39).
- B♭ TP:** *n* (measures 36-37), *mp* (measure 38), *n* (measure 39).
- TN:** *n* (measures 36-37), *mp* (measure 38), *n* (measure 39).
- TB:** *n* (measures 36-37), *mp* (measure 38), *n* (measure 39).
- PRC 1:** (VIB) *mp* (measure 37), *p* (measure 38).
- PRC 2:** (MARK TREE) *mp* (measure 37), *ppp* (measure 38). Includes instruction: "MARK TREE: very gently rustle bars in bottom third of instrument".
- S PF:** *mf* (measures 36-39). Includes fingerings (5=d, 4=d, 3, 5) and octaves (8^{vb}).
- VN I, VN II, VA, VC, CB:** *mf* (measures 36-39).

Musical score for Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation, measures 48-52. The score is arranged in systems for various instruments and includes dynamic markings and performance instructions.

System 1: FL (Flute), EH (Euphonium), B \flat BCL (Bass Clarinet), BN (Bassoon). Measures 48-52 are mostly rests.

System 2: F HN (Flute), B \flat TP (Trumpet), TN (Tenor), TB (Tuba). Includes a performance instruction: *--(+)--* with a dashed line and an accent mark. Measures 48-52 contain melodic lines with slurs and accents.

System 3: PRC (Percussion). Includes performance instructions: (VIB) (Vibrato), (Xeo) (Xylophone), (CHIMES) (Chimes), and (Xeo) (Xylophone). Measures 48-52 contain rhythmic patterns.

System 4: S PF (Piano). Includes dynamic markings: *sfz* (sforzando) and *8vb* (ottava bassa). Measures 48-52 contain complex piano textures.

System 5: VN I (Violin I), VN II (Violin II), VA (Viola), VC (Violoncello), CB (Cello). Measures 48-52 contain melodic lines with slurs and accents.

Measure Numbers: 48, 49, 50, 51, 52.

This musical score is for the piece "Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation". It covers measures 53 through 57. The score is arranged for a large ensemble, including woodwinds, strings, percussion, and piano.

Instrumentation and Parts:

- FL:** Flute
- EH:** English Horn
- B \flat BCL:** B-flat Clarinet
- BN:** Bassoon
- F HN:** Flute in High Register
- B \flat TP:** B-flat Trumpet
- TN:** Trombone
- TB:** Tuba
- 1 PRC:** Percussion 1 (VIB - Vibraphone)
- 2 PRC:** Percussion 2 (CHIMES - Chimes)
- S PF:** Piano
- VN I:** Violin I
- VN II:** Violin II
- VA:** Viola
- VC:** Violoncello
- CB:** Contrabass

Measure 53: The score begins with a series of rests for the woodwinds and strings. The piano part features a complex rhythmic pattern with sixteenth notes and slurs. The percussion parts have specific markings: "(VIB)" for the vibraphone and "(CHIMES)" for the chimes, both with a "(*sc.*)" marking and an arrow pointing right.

Measure 54: The woodwinds and strings enter with a melodic line. Large numbers "9" and "8" are placed below the staff, indicating a 9/8 time signature. The piano part continues with its rhythmic pattern, marked with *sfz* (sforzando) and a *8vb* (8va below) marking.

Measure 55: The melodic line continues. Large numbers "12" and "8" are placed below the staff, indicating a 12/8 time signature. The piano part has a *8vb* marking.

Measure 56: The melodic line continues. Large numbers "9" and "8" are placed below the staff, indicating a 9/8 time signature. The piano part has a *8vb* marking.

Measure 57: The melodic line concludes. Large numbers "9" and "8" are placed below the staff, indicating a 9/8 time signature. The piano part has a *8vb* marking.

Performance Markings:

- 4:3 markings are present at the end of measures 54, 55, 56, and 57.
- Various slurs and accents are used throughout the score.
- The piano part includes *sfz* markings and *8vb* markings.

53

54

55

56

57

Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation

This musical score is for the piece "Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation". It covers measures 58 through 63. The score is arranged for a large ensemble, including woodwinds, strings, percussion, and piano.

Instrumentation and Parts:

- FL:** Flute
- EH:** English Horn
- B \flat BCL:** B-flat Clarinet
- BN:** Bassoon
- F HN:** Flute in High Register
- B \flat TP:** B-flat Trumpet
- TN:** Trombone
- TB:** Tuba
- PRC 1:** Percussion (VIB) - Vibraphone
- PRC 2:** Percussion (CHIMES) - Chimes
- S PF:** Piano (Solo/Part)
- VN I:** Violin I
- VN II:** Violin II
- VA:** Viola
- VC:** Violoncello
- CB:** Contrabass

Key Features and Performance Instructions:

- Tempo/Character:** The score includes performance markings such as *--(+)* and *(VIB)*.
- Articulation:** Numerous accents (*>*) and slurs are used throughout the score.
- Dynamic Markings:** *sfz* (sforzando) is used in the piano part, and *8^{vb}* (pianissimo) is used in the string parts.
- Rehearsal Markings:** *(Reo)* with arrows indicates rehearsal points for the percussion parts.
- Measure Numbers:** The measures are numbered 58, 59, 60, 61, 62, and 63 at the bottom of the page.
- Large Numbers:** Large numbers (6, 8, 9, 2, 4) are placed in the woodwind and string staves, likely indicating fingerings or specific rhythmic patterns.
- Complex Figures:** The piano part features complex rhythmic figures, including a *7 = 5* figure.

Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation

← ♩ = ♩ → (♩ = c.69)

Musical score for Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation, measures 64-69. The score is arranged in systems for various instruments and includes dynamic markings and performance instructions.

System 1: FL (Flute), EH (English Horn), B \flat BCL (Bass Clarinet), BN (Bassoon). EH and B \flat BCL parts feature large time signature changes: 2/4, 3/4, 2/4, 3/4, 2/4. A dynamic marking *f* is present in the EH part.

System 2: F HN (French Horn), B \flat TP (Bass Trombone), TN (Tenor Trombone), TB (Tuba). F HN and B \flat TP parts feature a performance instruction: --(+)-->. TN and TB parts feature large time signature changes: 2/4, 3/4, 2/4, 3/4, 2/4. A dynamic marking *f* is present in the TB part.

System 3: PRC (Percussion). Part 1 includes (VIB) and (Xeo). Part 2 includes (CHIMES) and (Xeo). Triplet markings (3) are present.

System 4: S PF (String Percussion). Includes markings for 6, 6=2, and 8 \flat . A dynamic marking *sfz* is present.

System 5: VN I (Violin I), VN II (Violin II), VA (Viola), VC (Violoncello), CB (Contrabass). VN I and VN II parts feature triplet markings (3). VA, VC, and CB parts feature large time signature changes: 2/4, 3/4, 2/4, 3/4, 2/4. A dynamic marking *sfz* is present in the CB part.

Measures 64, 65, 66, 67, 68, and 69 are indicated at the bottom of the score.

D Fragmentation
← ♩ = ♩ → (♩ = c.92)

The score is divided into two systems. The first system includes parts for Flute (FL), Euphonium (EH), B♭ Clarinet (B♭ BCL), Bassoon (BN), French Horn (F HN), B♭ Trumpet (B♭ TP), Trombone (TN), Tuba (TB), Percussion (PRC) with Vibraphone (VIB) and Chimes (CHIMES), and Snare Drum (S PF). The second system includes parts for Violin I (VN I), Violin II (VN II), Viola (VA), Violoncello (VC), and Contrabass (CB). The score features complex rhythmic patterns with large numbers (3, 4, 9, 16, 6) indicating multi-measure rests or groupings. Dynamics include *f*, *subito molto legato*, *cresc.*, and *ff agitato*. A specific instruction for the snare drum is "INSIDE (slap): *fff*".

70

71

72

73

74

75

Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation

Musical score for Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation, measures 76-82. The score is arranged in a system with multiple staves. The instruments and parts are:

- FL (Flute)
- EH (E-flat Horn)
- B♭ BCL (B-flat Baritone Clarinet)
- BN (Bassoon)
- F HN (Flute in High Register)
- B♭ TP (B-flat Trumpet)
- TN (Trombone)
- TB (Tuba)
- PRC 1 (Percussion 1, Vibraphone)
- PRC 2 (Percussion 2, Chimes)
- S PF (String Percussion)
- VN I (Violin I)
- VN II (Violin II)
- VA (Viola)
- VC (Violoncello)
- CB (Cello/Bass)

Key features of the score include:

- Tempo markings: *poco* and *mf*.
- Dynamic markings: *mf* and *f*.
- Rehearsal marks: 6/16, 9/16, 6/16.
- Performance instructions: "slow, uneven port. with 1/4-tone fluctuations" for the Cello/Bass part.
- Rehearsal marks for Percussion: (VIB), (Leo.), (CHIMES), (Leo.).
- Rehearsal marks for Cello/Bass: *f* dim. - *poco* - *a* - *poco*.

76

77

78

79

80

81

82

Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation

FL *f sub.* *mf* *mp* *mf* *mp sub.* *f* *mp*

EH *mf sub.* *mp* *mf* *mp* *mp* *mp*

B♭ BCL *mp* *mf* *mp* *mf* *mp* *mf* *mp*

BN *mp* *mf* *mp*

F HN *poco* *mp*

B♭ TP *mp* *f* *ff*

TN *mp* *mf*

TB *mp* *mf*

1 (VIB) *mp*

PRC (CHIMES) *mp*

S PF *4:3*

VN I

VN II *9/16* *6/16* *9/16* *6/16*

VA *9/16* *6/16* *9/16* *6/16*

VC

CB

90

91

92

93

94

95

96

Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation

E ← ♩ = ♩ → (♩ = c.92)

FL
EH
B \flat BCL
BN
F HN
B \flat TP
TN
TB
1
2
PRC
S PF
VN I
VN II
VA
VC
CB

6/16 2/4 3/4 2/4 3/4

6/16 2/4 3/4 2/4 3/4

6/16 2/4 3/4 2/4 3/4

97 98 99 100 101 102 103

Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation

FL
EH
B♭ BCL
BN
F HN
B♭ TP
TN
TB
PRC
S PF
VN I
VN II
VA
VC
CB

CLAVES
BONGO
BRAKE DRUM w/hard rubber

104 105 106 107 108 109 110

Musical score for Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation, measures 111-117. The score is arranged in a grand staff format with multiple staves for different instruments and voices.

Instrumentation and Parts:

- FL (Flute)
- EH (Euphonium)
- B \flat BCL (Bass Clarinet)
- BN (Bassoon)
- F HN (Flute in High Register)
- B \flat TP (Bass Trombone)
- TN (Tuba)
- TB (Tenor Trombone)
- 1 PRC (Claves)
- 2 PRC (Bongo)
- S PF (Solo Piano)
- VN I (Violin I)
- VN II (Violin II)
- VA (Viola)
- VC (Violoncello)
- CB (Contrabass)

Measure 111: Features a 3/4 time signature. Dynamics include *mf* and *ff*. Includes a triplet in the B \flat BCL part.

Measure 112: Features a 2/4 time signature. Dynamics include *ff* and *f*. Includes a triplet in the B \flat BCL part.

Measure 113: Features a 3/4 time signature. Dynamics include *mf* and *f*. Includes a triplet in the B \flat BCL part.

Measure 114: Features a 2/4 time signature. Dynamics include *f* and *mf*. Includes a triplet in the TB part.

Measure 115: Features a 3/4 time signature. Dynamics include *f* and *mf*. Includes a triplet in the TB part.

Measure 116: Features a 2/4 time signature. Dynamics include *f* and *mf*. Includes a triplet in the TB part.

Measure 117: Features a 3/4 time signature. Dynamics include *ff* and *mf*. Includes a triplet in the FL part.

Performance Instructions: CLAVES and BONGO parts are indicated above the PRC staves. The S PF part includes *8va* markings and triplets.

111

112

113

114

115

116

117

Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation

FL *f* *mf* 3-5x *f* 5-7x

EH

B \flat BCL *ff* 3 8 6 8

BN *mf* *ff* *ff*

F HN

B \flat TP

TN *f* 3 8 6 8

TB *mf*

1 *mf* *mf*

PRC 2

SPF piano only: *rit.* - *poco* - *a* - *poco* - *8va* *8va*

VN I

VN II

VA 3 8 6 8

VC

CB 8

122 123

Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation

← ♩ = ♩ → (♩. = c. 61)

Musical score for Pathways IV: Rhymes & Spirals / I. Descent — Fragmentation, measures 124-130. The score is in 6/8 time and includes parts for Flute (FL), Euphonium (EH), Bass Clarinet (B \flat BCL), Bassoon (BN), French Horn (F HN), Trombone (B \flat TP), Tenor Trombone (TN), Tuba (TB), Bongos (BONGO), Brake Drum (BRAKE DRUM), Claves (CLAVES), Piano (S PF), Violin I (VN I), Violin II (VN II), Viola (VA), Violoncello (VC), and Contrabass (CB). The score features various dynamics (f, mf, ff, mp), articulation (accents, slurs), and performance instructions like 'remove mute' and 'poco dim.'. A large '6' and '8' are placed in the Euphonium and Tuba staves respectively. A circled '0' is present in the Euphonium and Tuba staves at the end of the section. The piano part has a thick black line across measures 124-129. The bottom of the page shows measure numbers 124 through 130 in boxes.

FL

EH

B \flat BCL

BN

F HN

B \flat TP

TN

TB

1

PRC

2

S PF

VN I

VN II

VA

VC

CB

remove mute

Solo:

pp

mf

pp

poco

mp

f

sfz

fffz

fffz

RH: silently depress all keys within this range and set sostenuto pedal

8^{vb}

8^{vb}

Sost. →

Musical score for Pathways IV: Rhymes & Spirals / II. Uprising — Malaise, measures 147-151. The score is in 4/4 time and includes parts for Flute (FL), English Horn (EH), Bass Clarinet (B \flat BCL), Bassoon (BN), French Horn (F HN), Trombone (B \flat TP), Trumpet (TN), Trombone (TB), Percussion (PRC), Piano (S PF), Violin I (VN I), Violin II (VN II), Viola (VA), Violoncello (VC), and Contrabass (CB). The score features various musical notations including triplets, quintuplets, and dynamic markings such as *f*, *mf*, *poco*, *sfz*, *port.*, *expressive*, *fervent fit.*, and *heroic*. The percussion part includes complex rhythmic patterns with 6/8 and 5/8 groupings. The piano part includes a section labeled "becoming subsumed into the ensemble...". The score concludes with a large "4/4" time signature on the right side of the page.

147

148

149

150

151

The musical score is divided into four measures, each with a specific time signature: 4/4, 3/4, 4/4, and 2/4. The instruments and their parts are as follows:

- FL (Flute):** Rests in all measures.
- EH (English Horn):** Rests in all measures.
- B \flat BCL (Bass Clarinet):** Rests in all measures.
- BN (Bassoon):** Rests in all measures.
- F HN (Flute in Harmonic):** Melodic line with triplets and a forte (*f*) dynamic in the final measure.
- B \flat TP (Bass Trombone):** Complex rhythmic patterns with triplets, sextuplets, and glissandos. Dynamics include *fl.* and *f*.
- TN (Tuba):** Bass line with triplets and an 8=2 pattern. Dynamics include *sfz* and *poco*.
- TB (Trombone):** Bass line with triplets and sextuplets. Dynamics include *sfz* and *poco*.
- PRC (Percussion):** Two parts. Part 1 includes a TAM-TAM w/soft felt in the final measure with a *mp* dynamic.
- S PF (Soprano Piano):** Piano accompaniment with triplets and a *re-emerging...* section.
- VN I (Violin I):** Rests in all measures, ending with *sul tasto pp* in the final measure.
- VN II (Violin II):** Rests in all measures, ending with *sul tasto pp* in the final measure.
- VA (Viola):** Rests in all measures, ending with *sul tasto pp* in the final measure.
- VC (Violoncello):** Rests in all measures, ending with *sul tasto pp* in the final measure.
- CB (Cello):** Rests in all measures, ending with *sul tasto pp* in the final measure.

156

157

158

159

H

FL

EH

B \flat BCL

BN

F HN

B \flat TP

TN

TB

1

PRC

2

S PF

H

VN I

VN II

VA

VC

CB

160

161

162

163

The musical score is arranged in systems for various instruments. The first system includes PC, EH, B \flat BCL, and BN. The second system includes F HN, B \flat TP, TN, and TB. The third system includes PRC 1 and 2. The fourth system is for the piano (S PF), with a *Reo* marking and various articulations. The fifth system includes VN I, VN II, VA, VC, and CB. Large '3/4' time signatures are placed in the right margin of the first, second, and fifth systems. The piano part features complex textures with triplets, quintuplets, and sextuplets, and a *mp* dynamic. The string parts include pizzicato markings and a *p* dynamic. Percussion includes a *TAM-TAM w/soft felt* with a *mp* dynamic.

176

177

178

179

Malaise

(L'istesso Tempo)

The musical score for "Malaise" spans measures 180 to 183. It is written in 4/4 time and includes the following parts:

- Percussion (PC):** Rests throughout.
- Horns (EH, B♭ BCL, BN):** Horns enter in measure 181 with a *pp* dynamic. Large "4" and "3" markings are present at the start and end of the section.
- Flute (F HN):** Features a melodic line starting in measure 180 with an "open" marking and a *p* dynamic. It includes a quintuplet in measure 180 and triplet markings in measures 181 and 182. Dynamics range from *p* to *f*.
- Trumpets (B♭ TP, TN, TB):** Trumpets enter in measure 181 with a *pp* dynamic. Large "4" and "3" markings are present at the start and end of the section.
- Percussion (PRC 1, 2):** Rests throughout.
- Piano (S PF):** Features a keyboard accompaniment starting in measure 181. It includes a *mp* to *f* crescendo and specific fingering instructions: "6 = 5" and "7 = 2 + ♮".
- Violins (VN I, VN II):** Rests throughout.
- Viola (VA):** Rests throughout.
- Violoncello (VC):** Rests throughout.
- Contrabass (CB):** Rests throughout.

180

181

182

183

← ♩ = ♩ → (♩ = c.41)

PC

EH

B♭ BCL

BN

F HN

B♭ TP

TN

TB

1

PRC

2

S PF

INSIDE:

← ♩ = ♩ → (♩ = c.41)

VN I

VN II

VA

VC

CB

189

190

191

192

193

← ♩ = ♩ → (♩ = c.55)



← ♩ = ♩ → (♩ = c.55)

PC
EH
B♭ BCL
BN

F HN
B♭ TP
TN
TB

1
2
PRC

S PF

← ♩ = ♩ → (♩ = c.55)



← ♩ = ♩ → (♩ = c.55)

VN I
VN II
VA
VC
CB

194

195

196

197

198

199

J ← ♩ = ♩ → (♩ = c.73)

PC

EH

B \flat BCL

BN

6 9 4 3

16 16 4 4

F HN

B \flat TP

TN

TB

6 9 4 3

16 16 4 4

1

PRC

2

ON KEYBOARD (RH): Play erratically on "glissando" pitches.

S PF

mf

INSIDE (LH): Slowly run glass guitar slide along the three strings in brackets, changing directions *ad libitum* to create continuous glissandi.

— (X ∞) —>

J ← ♩ = ♩ → (♩ = c.73)

VN I

VN II

VA

VC

CB

6 9 4 3

16 16 4 4

p *mp* *p mp* *p*

p *mp* *p mp* *p*

p *mp* *p mp* *p*

mp *p mp* *p mp* *p mp*

206

207

208

209

← ♪ = ♪ → (♪ = c.97)

PC
EH
B \flat BCL
BN

F HN
B \flat TP
TN
TB

1
PRC
2

S PF

VN I
VN II
VA
VC
CB

210

211

212

213

← ♩ = ♩ → (♩ = c.97)

PC

EH

B \flat BCL

BN

F HN

B \flat TP

TN

TB

1

PRC

2

S PF

Interject bracketed notes (*ordinario*) while continuing to play *glissando* gestures.

gradually decrease density...

← ♩ = ♩ → (♩ = c.97)

VN I

VN II

VA

VC

CB

214

215

216

217

218

PC

EH

B \flat BCL

BN

F HN

B \flat TP

TN

TB

1

PRC

2

S PF

VN I

VN II

VA

VC

CB

219

220

221

222

K ← ♩. = ♩ → (♩ = c. 65)

PC
mf melancholy *poco* *mf* *mp*

EH
mp *pp* *mp* *pp* *mp* *pp*

B \flat BCL
mp *pp* *mp* *pp* *mp* *pp*

BN
mp *pp* *mp* *pp* *mp* *pp*

F HN
 mute *mp* *pp* *mp* *pp* *mp* *pp*

B \flat TP
 (mute) *mp* *pp* *mp* *pp* *mp* *pp*

TN
 5 3

TB
 4 4

1
 CHIMES w/hammers

2
mf (non troppo) *leg.*

S PF
mf (INSIDE) *mf* (on keyboard) *leg.*

K ← ♩. = ♩ → (♩ = c. 65)

VN I

VN II
 5 *p* *sim., ad lib.* 3

VA
 4 4

VC
mp *p* *sim., ad lib.*

CB

223

224

225

This musical score page contains measures 226 through 229. The instruments and parts are as follows:

- PC (Percussion):** Features melodic lines with triplets and dynamics of *mf sub.* and *mp*.
- EH (Electric Harp):** Plays sustained notes with dynamics *mp* and *pp*.
- B \flat BCL (Bass Clarinet):** Plays sustained notes with dynamics *mp* and *pp*.
- BN (Bassoon):** Plays sustained notes with dynamics *mp* and *pp*.
- F HN (Flute):** Plays sustained notes with dynamics *mp* and *pp*.
- B \flat TP (Trumpet):** Plays sustained notes with dynamics *mp* and *pp*.
- TN (Trombone):** Shows time signature changes from 3/4 to 4/4.
- TB (Tuba):** Shows time signature changes from 3/4 to 4/4.
- PRC (Percussion 1 & 2):** Empty staves.
- S PF (Soprano Percussion):** Features triplet patterns.
- VN I & II (Violins):** Play sustained notes with dynamics *mf* and *n*.
- VA (Viola):** Plays sustained notes with dynamics *mf* and *n*.
- VC (Violoncello):** Features pizzicato and arco passages with dynamics *poco*, *mf*, *f*, and *mp*.
- CB (Contrabass):** Features pizzicato and arco passages with dynamics *poco*, *mf*, *p*, *n*, and *mp*.

Measures 226, 227, 228, and 229 are indicated at the bottom of the score.

Pathways IV: Rhymes & Spirals / II. Uprising — Malaise

Rubato

poco

p

poco

ppp
(as a faint echo)

take ALTO FLUTE

take CLARINET

c. 2"

mp *f*

8

III.

L Transmission

♩ = c.132

Flute/Alto Flute/Piccolo (ALTO FLUTE)
Oboe/English horn (ENGLISH HORN)
B♭ Clarinet/B♭ Bass Clarinet (CLARINET)
Bassoon
F Horn (mute)
B♭ Trumpet (cup mute)
Trombone (take mute (plunger))
Tuba
Percussion 1
Percussion 2
Solo Piano
Violin I
Violin II (1/2 clb)
Viola (1/2 clb)
Violoncello
Contrabass

5/4 4/4 5/4 4/4

murmuring
mp

mp
skittering

2

2

231

232

233

AFL

EH

B♭ CL

BN

F HN

B♭ TP

TN

TB

1

PRC

2

S PF

VN I

VN II

VA

VC

CB

3/4

4/4

5/4

3/4

4/4

5/4

mp

skittering

mp

p

mp

p

mp

mp

1/2 clb

2

3

3

2

2

8

234

235

236

237

AFL

EH

B \flat CL

BN

F HN

B \flat TP

TN

TB

1

PRC

2

S PF

VN I

VN II

VA

VC

CB

5/4

2/4

6/4

mp

mp

mp

p

mp

mp

1/2 clb

skittering

238

239

240

241

M

AFL

EH

B \flat CL

BN

F HN

B \flat TP

TN

TB

1

PRC

2

S PF

M

VN I

VN II

VA

VC

CB

242

243

244

245

* Continue simile, freely moving between the three gestures *ad libitum*, played out of time with either *ritardando* or *accelerando*; pause between each gesture for 1-2 seconds. Avoid coordination with other string players as parts are added.

This musical score is for measures 251 through 255. The instruments and parts are:

- AFL**: Alto Flute (staves 1-4)
- EH**: Euphonium (staves 5-6)
- B^b CL**: Baritone in B-flat (staves 7-8)
- BN**: Bassoon (staves 9-10)
- F HN**: Flute in F (staves 11-12)
- B^b TP**: Trombone in B-flat (staves 13-14)
- TN**: Tenor Trombone (staves 15-16)
- TB**: Trombone (staves 17-18)
- 1 PRC**: Percussion 1 (staves 19-20)
- 2 PRC**: Percussion 2 (staves 21-22)
- S PF**: Piano (staves 23-24)
- VN I**: Violin I (staves 25-26)
- VN II**: Violin II (staves 27-28)
- VA**: Viola (staves 29-30)
- VC**: Violoncello (staves 31-32)
- CB**: Contrabass (staves 33-34)

Measure numbers are indicated at the bottom of the score: 251, 252, 253, 254, 255.

Tempo and dynamics markings include *mp* (mezzo-piano) and *mp* murmuring. Performance instructions include "mute (cup)" for the B^b TP and "see note at the bottom of p. 54" for the VN I.

AFI

EH **3** take OBOE

B \flat CL **4** **2** **4** **3**

BN *mp* *mp*

F HN

B \flat TP *mp* *murmuring* *mute*

TN **3** **2** **4** **3**

TB **4** **4** **4** **4**

1

PRC

2

S PF *mp*

VN I

VN II **3** *mp* **2** **4** **3**

VA **4** **4** **4** **4**

VC

CB *mp* *skittering* *1/2 clb* * see note at the bottom of p. 54

261 262 263 264 265

N

Musical score for woodwinds: AFL, OB, B^bCL, BN. Includes dynamic markings *mp* and *murmuring*. Large numbers 2/4, 4/4, 3/4, 2/4 are placed in the OB and B^bCL staves.

Musical score for woodwinds: FHN, B^bTP, TN, TB. Includes dynamic marking *mp*. Large numbers 2/4, 4/4, 3/4, 2/4 are placed in the TN and TB staves.

Musical score for Percussion: 1, 2. Staves are empty.

Musical score for Piano: S PF. Includes dynamic marking *mp*.

N

Musical score for strings: VNI, VNI, VA, VC, CB. Includes dynamic marking *mp*. Large numbers 2/4, 4/4, 3/4, 2/4 are placed in the VNI, VA, and VC staves.

The musical score is arranged in a standard orchestral layout. The top section includes woodwinds (AFL, OB, B♭ CL, BN) and brass (F HN, B♭ TP, TN, TB). Below these are percussion (PRC 1 and 2) and piano (S PF). The bottom section includes strings (VN I, VN II, VA, VC, CB). The woodwind and brass parts feature complex rhythmic patterns with frequent slurs and accents. The string parts (VN I, VN II, VC, CB) play a continuous wavy tremolo pattern. The VA part includes a triplet of eighth notes marked *mp (ord.)* and the instruction *(in time)*. Large numbers 2, 3, and 4 are placed above the woodwind and brass staves, likely indicating rehearsal or section markers. Dynamics *mp* are used throughout the score.

The musical score is arranged in a standard orchestral layout. The top section includes woodwinds (AFL, OB, B♭ CL, BN), strings (F HN, B♭ TP, TN, TB), and percussion (PRC 1 & 2). The middle section features piano (S PF) and the bottom section includes violins (VN I & II), violas (VA), violoncello (VC), and double bass (CB). The score is divided into four measures, with measure numbers 275, 276, 277, and 278 indicated at the bottom. Key features include:

- Woodwinds:** AFL, OB, B♭ CL, and BN have active parts with various rhythmic patterns. OB and B♭ CL have large '3/4' and '4/4' markings in measures 276 and 277. BN has a *mp* marking in measure 275.
- Strings:** F HN, B♭ TP, TN, and TB have mostly rests, with some activity in measure 278. TN and TB have large '3/4' and '4/4' markings in measures 276 and 277.
- Percussion:** PRC 1 and 2 have rests throughout.
- Piano (S PF):** Active in measures 277 and 278, with a *mf* marking and an 8-measure triplet in measure 278.
- Violins (VN I & II):** VN I and II have wavy lines in measures 275-277. VN II has a triplet in measure 278 with the instruction '(in time) *mp* (ord.)'.
- Viola (VA):** VA has wavy lines in measures 275-277 and a triplet in measure 278 with the instruction '(in time) *mp* (ord.)'.
- Violoncello (VC):** VC has wavy lines in measures 275-277 and a triplet in measure 278 with the instruction '(in time) *mp* (ord.)'.
- Double Bass (CB):** CB has wavy lines throughout.

275

276

277

278

0

AFL *take PICCOLO*

OB

B♭ CL

BN

mp

3/4 2/4 3/4

8 = 3

F HN

B♭ TP

TN

TB

mp

3/4 2/4 3/4

1

PRC

2

S PF

5:4 8 = 3 5:4 5:4

0

VN I

VN II

VA

VC

CB

mp (ord.)

mp (ord.)

(in time)

3 3

279

280

281

282

283

Musical score for Pathways IV: Rhymes & Spirals / III. Transmission — Response — Skirmish, measures 293-298. The score is arranged in a grand staff format with multiple parts:

- PC (Piccolo Clarinet):** Treble clef, melodic line with slurs and accents.
- OB (Oboe):** Treble clef, melodic line with slurs and accents. Includes a **3** (triple) and *mp* (mezzo-piano) dynamic marking.
- B♭ CL (B-flat Clarinet):** Treble clef, melodic line with slurs and accents. Includes a **4** (quadruple) and *mp* (mezzo-piano) dynamic marking.
- BN (Bassoon):** Bass clef, melodic line with slurs and accents.
- F HN (Flute):** Treble clef, rests.
- B♭ TP (B-flat Trumpet):** Treble clef, melodic line with slurs and accents.
- TN (Trombone):** Bass clef, rests. Includes a **3** (triple).
- TB (Tuba):** Bass clef, rests. Includes a **4** (quadruple).
- 1 PRC (Percussion 1):** Percussion line, rests.
- 2 PRC (Percussion 2):** Percussion line, rests.
- S PF (String Percussion):** Treble and bass clefs, rests.
- VN I (Violin I):** Treble clef, melodic line with slurs and accents. Includes a *mp (ord.)* (mezzo-piano, ordered) dynamic marking.
- VN II (Violin II):** Treble clef, melodic line with slurs and accents. Includes a **3** (triple).
- VA (Viola):** Alto clef, melodic line with slurs and accents. Includes a **4** (quadruple).
- VC (Violoncello):** Bass clef, melodic line with slurs and accents.
- CB (Cello):** Bass clef, melodic line with slurs and accents.

Measures 293, 294, 295, 296, 297, and 298 are indicated at the bottom of the score.

PC

OB

B♭ CL

BN

F HN

B♭ TP

TN

TB

1 PRC

2 PRC

S PF

VN I

VN II

VA

VC

CB

299

300

301

302

303

P

PC
OB
B \flat CL
BN

F HN
B \flat TP
TN
TB

1
PRC
2

S PF

P

VN I
VN II
VA
VC
CB

304

305

306

307

308

PC
OB
B \flat CL
BN
F HN
B \flat TP
TN
TB
1
PRC
2
S PF
VN I
VN II
VA
VC
CB

4 5 3 4
4 4 4 4
4 4 3 4
4 4 4 4

309 310 311 312

PC
OB
B^b CL
BN
F HN
B^b TP
TN
TB
1
PRC
2
SPF
VN I
VN II
VA
VC
CB

313 314 315 316 317

Musical score for Pathways IV: Rhymes & Spirals / III. Transmission — Response — Skirmish, measures 318-322. The score is arranged for a large ensemble including woodwinds, brass, strings, and percussion.

Woodwinds:
PC (Piccolo Clarinet): Melodic line with slurs and accents, dynamic *mp*.
OB (Oboe): Melodic line with slurs and accents, dynamic *mp*.
Bb CL (B-flat Clarinet): Melodic line with slurs and accents, dynamic *(non dim.)*.
BN (Bassoon): Melodic line with slurs and accents, dynamic *mp*.
F HN (Flute): Rested.
Bb TP (B-flat Trumpet): Melodic line with slurs and accents, dynamic *mp*.
TN (Tenor Trombone): Rested.
TB (Tuba): Rested.

Brass:
1 (Horn 1): Rested.
2 (Horn 2): Rested.
S PF (Saxophone/French Horn): Rested.

Strings:
VN I (Violin I): Rhythmic pattern of eighth notes with slurs and accents.
VN II (Violin II): Rhythmic pattern of eighth notes with slurs and accents.
VA (Viola): Rhythmic pattern of eighth notes with slurs and accents.
VC (Violoncello): Rhythmic pattern of eighth notes with slurs and accents.
CB (Contrabass): Rhythmic pattern of eighth notes with slurs and accents.

Tempo and Meter:
Measures 318-319: 3/4 time signature.
Measures 320-321: 4/4 time signature.
Measure 322: 3/4 time signature.

Measure Numbers: 318, 319, 320, 321, 322

Q

Musical score for Percussion and Strings section, measures 328-332. The score includes parts for PC, OB, Bb CL, BN, F HN, Bb TP, TN, TB, 1 PRC, 2 PRC, and S PF. The percussion parts (PC, OB, Bb CL, BN, TN, TB) feature complex rhythmic patterns with dynamic markings of *mf* and *mp*. The string parts (F HN, Bb TP, TN, TB) are mostly silent. The PRC and S PF parts are also silent. The score is marked with a 'Q' in a box at the beginning of the section. Large numbers 4 and 3 are placed above the OB and Bb CL staves to indicate measure groupings.

Q

Musical score for Violin and Viola section, measures 328-332. The score includes parts for VN I, VN II, VA, VC, and CB. The violin and viola parts feature complex rhythmic patterns with dynamic markings of *mf* and *mp*. The CB part is also present. The score is marked with a 'Q' in a box at the beginning of the section. Large numbers 4 and 3 are placed above the VN II and VA staves to indicate measure groupings.

328

329

330

331

332

This musical score page contains measures 333 through 337. The instruments and parts are arranged as follows:

- PC (Piccolo Clarinet):** Treble clef, melodic line with slurs and accents.
- OB (Oboe):** Treble clef, melodic line with slurs and accents.
- B♭ CL (B-flat Clarinet):** Treble clef, melodic line with slurs and accents. Includes a **mf** dynamic marking.
- BN (Bassoon):** Bass clef, melodic line with slurs and accents.
- F HN (Flute in C):** Bass clef, melodic line with slurs and accents.
- B♭ TP (B-flat Trumpet):** Treble clef, melodic line with slurs and accents.
- TN (Tenor Trombone):** Bass clef, rests.
- TB (Tuba):** Bass clef, rests.
- 1 PRC (Percussion 1):** Rests.
- 2 PRC (Percussion 2):** Rests.
- S PF (Solo Piano):** Grand staff, accompaniment with slurs and accents.
- VN I (Violin I):** Treble clef, rhythmic accompaniment of eighth-note triplets.
- VN II (Violin II):** Treble clef, rhythmic accompaniment of eighth-note triplets.
- VA (Viola):** Alto clef, rhythmic accompaniment of eighth-note triplets.
- VC (Violoncello):** Bass clef, rhythmic accompaniment of eighth-note triplets.
- CB (Cello):** Bass clef, rhythmic accompaniment of eighth-note triplets.

Measure 333 features a **4/4** time signature. Measure 334 features a **3/4** time signature. The **mf** dynamic marking is present in measures 333 and 334. The string parts (VN I, VN II, VA, VC, CB) play a consistent eighth-note triplet pattern throughout the measures.

R Response

FLUTE: *pp sub.*

FL *pp sub.*

OB *pp sub.*

B♭ CL *pp sub.*

BN *pp sub.*

F HN *sfz pp sub.*

B♭ TP *sfz*

TN *sfz*

TB *sfz*

SLAPSTICK

1 *sfz*

PRC

RATCHET

2 *sfz (secco)*

S PF *sfz*

mf

sfz

R

VN I *sfz*

VN II *sfz*

VA *sfz*

VC *pizz. sfz*

CB *pizz. sfz*

5/4 4/4 3/4 4/4

5/4 4/4 3/4 4/4

5/4 4/4 3/4 4/4

344 345 346 347

FL
OB
B♭ CL
BN
F HN
B♭ TP
TN
TB
1
PRC
2
S PF
VN I
VN II
VA
VC
CB

4 5 4 7 4
4 4 4 8 4
4 5 4 7 4
4 4 8 4
8va
8va
8va
4 5 4 7 4
4 4 8 4

348 349 350 351

FL *mf* *sub.* *poco* *mf* *poco* *mf* *poco* (sim.)

OB *mf* *sub.* *poco* *mf* *poco* (sim.)

CL *mf* *sub.* *poco* *mf* *poco* *mf* *poco* (sim.)

BN *mf* *sub.* *poco* *mf* *poco* *mf* *poco* (sim.)

F HN *mf* *sub.*

Bb TP *mf*

TN *mf*

TB *mf*

BONGOS w/wood

PRC 1 *sfz*

PRC 2 *sfz*

S PF (loco) *f*

VN I

VN II

VA

VC

CB

352

353

354

355

Musical score for Pathways IV: Rhymes & Spirals / III. Transmission — Response — Skirmish, measures 356-360. The score includes parts for Flute (FL), Oboe (OB), Clarinet (CL), Bassoon (BN), French Horn (F HN), Trumpet (TP), Trombone (TN), Percussion (PRC), Piano (PF), Violin I (VN I), Violin II (VN II), Viola (VA), Violoncello (VC), and Contrabass (CB). The score features complex rhythmic patterns, including triplets and sixteenth notes, and dynamic markings such as *f*. Large numbers (3, 4, 5) are placed at the beginning and end of measures to indicate specific rhythmic or structural elements.

356

357

358

359

360

The musical score is arranged in systems. The first system includes parts for Flute (FL), Oboe (OB), Bass Clarinet (B♭ CL), Bassoon (BN), Flute in C (F HN), Bass Trumpet (B♭ TP), Trombone (TN), and Tuba (TB). The second system includes Percussion 1 (1) and Percussion 2 (2). The third system includes Piano (S PF). The fourth system includes Violin I (VN I), Violin II (VN II), Viola (VA), Violoncello (VC), and Contrabass (CB). The score features complex rhythmic patterns with triplets and dynamic markings like 'f'. Large numbers (5, 4, 3, 4) are placed above the woodwind and string staves, likely indicating measure counts or specific rhythmic groupings. The piano part (S PF) has a long, sweeping melodic line starting in the second measure of the first system.

361

362

363

364

S

Musical score for Pathways IV: Rhymes & Spirals / III. Transmission — Response — Skirmish, measures 373-377. The score is for a full orchestra and includes the following parts:

- FL (Flute)
- OB (Oboe)
- B♭ CL (B-flat Clarinet)
- BN (Bassoon)
- F HN (Flute in High Register)
- B♭ TP (B-flat Trumpet)
- TN (Trombone)
- TB (Tuba)
- 1 PRC (Percussion 1)
- 2 PRC (Percussion 2)
- S PF (String Percussion)
- VN I (Violin I)
- VN II (Violin II)
- VA (Viola)
- VC (Violoncello)
- CB (Contrabass)

Measure 373: (non dim.)

Measure 374: (non dim.)

Measure 375: *f* (non troppo)

Measure 376: *f* (non troppo)

Measure 377: *f* (non troppo)

Tempo markings: *f* (non troppo), *f* erratic

Performance instructions: remove mute, open, mute

Rehearsal mark S is present above measure 375 and below measure 377.

373

374

375

376

377

Musical score for Pathways IV: Rhymes & Spirals / III. Transmission — Response — Skirmish, measures 378-381. The score is arranged in a multi-staff format with the following parts:

- FL** (Flute): Rests throughout.
- OB** (Oboe): Measure 378 has a triplet of eighth notes. Measure 379 has a 4-measure rest. Measure 380 has a triplet of eighth notes. Measure 381 has a quarter note.
- B♭ CL** (Clarinet): Measure 378 has a triplet of eighth notes. Measure 379 has a 4-measure rest. Measure 380 has a triplet of eighth notes. Measure 381 has a quarter note.
- BN** (Bassoon): Measure 378 has a triplet of eighth notes. Measure 379 has a triplet of eighth notes. Measure 380 has a triplet of eighth notes. Measure 381 has a quarter note.
- F HN** (Horn): Measure 378 has a triplet of eighth notes. Measure 379 has a triplet of eighth notes. Measure 380 has a triplet of eighth notes. Measure 381 has a quarter note. Includes instruction: *mute*.
- B♭ TP** (Trumpet): Measure 378 has a triplet of eighth notes. Measure 379 has a triplet of eighth notes. Measure 380 has a triplet of eighth notes. Measure 381 has a quarter note. Includes instruction: *mute (plunger)*.
- TN** (Trombone): Measure 378 has a triplet of eighth notes. Measure 379 has a triplet of eighth notes. Measure 380 has a triplet of eighth notes. Measure 381 has a quarter note. Includes instruction: *mute (plunger)*.
- TB** (Tuba): Measure 378 has a triplet of eighth notes. Measure 379 has a triplet of eighth notes. Measure 380 has a triplet of eighth notes. Measure 381 has a quarter note. Includes instruction: *(mute)*.
- PRC** (Percussion): Two staves, both with rests.
- S PF** (Piano): Measure 378 has a triplet of eighth notes. Measure 379 has a triplet of eighth notes. Measure 380 has a triplet of eighth notes. Measure 381 has a quarter note. Includes instruction: *mp tentative*.
- VN I** (Violin I): Rests throughout.
- VN II** (Violin II): Measure 378 has a 3-measure rest. Measure 379 has a 4-measure rest. Measure 380 has a 4-measure rest. Measure 381 has a 4-measure rest.
- VA** (Viola): Measure 378 has a 4-measure rest. Measure 379 has a 4-measure rest. Measure 380 has a 4-measure rest. Measure 381 has a 4-measure rest.
- VC** (Violoncello): Rests throughout.
- CB** (Cello): Rests throughout.

Measures 378 and 379 are marked with large numbers **3** and **4** respectively, indicating the number of measures in the rest.

378

379

380

381

The musical score is arranged in a standard orchestral layout. The woodwind section includes Flute (FL), Oboe (OB), Clarinet in B♭ (B♭ CL), Bassoon (BN), Flute in C (F HN), Clarinet in B♭ (B♭ TP), Trombone (TN), and Tuba (TB). The percussion section consists of two drummers (1 and 2). The string section includes Violin I (VN I), Violin II (VN II), Viola (VA), Violoncello (VC), and Contrabass (CB). The piano part (S PF) is featured in the lower left, showing a complex rhythmic pattern with triplets and a 'Sost.' (Sostenuto) marking. The score is divided into measures 382, 383, 384, and 385.

382

383

384

385

FL
OB
B♭ CL
BN
F HN
B♭ TP
TN
TB
1
PRC
2
S PF
VN I
VN II
VA
VC
CB

mf
mf
mf
mf
mp
mp
mp
mp
(mute)
(Sost.)
8^{va}

3
4
3
4

386

387

388

389

T Skirmish (Cadenza)

FL take ALTO FLUTE

OB take ENGLISH HORN

B \flat CL

BN

F HN

B \flat TP take mute (plunger)

TN take mute (plunger)

TB

1

PRC

2

S PF

ff frenetic (Sost.)

fz *ff* *f* *ff* *sffz* *sfz* *ff* *f* *sfz* *sfz*

8^{va} *8^{vb}*

T

VN I

VN II

VA

VC

CB

402a

402b

FL

OB

B♭ CL

BN

F HN

B♭ TP

TN

TB

1

PRC

2

S PF

(Sost.)

8va

8vb

ffz

f

ff

sfz

8va

8vb

ffz

f

ff

sfz

8vb

ff

VN I

VN II

VA

VC

CB

402c

402d

FL

OB

B♭ CL

BN

F HN

B♭ TP

TN

TB

1

PRC

2

S PF

(Sost.)

trill

sfz

sfz

f

ff

sfz

ff

f

sfz

ff

f

8vb

VN I

VN II

VA

VC

CB

8

FL

OB

B♭ CL

BN

F HN

B♭ TP

TN

TB

1

PRC

2

S PF

8

VN I

VN II

VA

VC

CB

sffz

sffz

sffz

ff

f

ff

ff sub.

(f)

sffz

(Sost.)

poco

(Sost.)

Leo.

402f

402g

FL

OB

B♭ CL

BN

F HN

B♭ TP

TN

TB

1

PRC

2

S PF

emerging from resonance...

delicate

pp (Sost.)

mp

poco

mp

poco

mp

mf

VN I

VN II

VA

VC

CB

attacca

IV.

U Interregnum

♩ = c. 76

Flute/Alto Flute/Piccolo (ALTO FLUTE)

Oboe/English horn (ENGLISH HORN)

B♭ Clarinet/B♭ Bass Clarinet (CLARINET)

Bassoon

F Horn

B♭ Trumpet

Trombone

Tuba

VIBRAPHONE w/soft yarn motor on (med.)

Percussion 1

BELL TREE w/hard plastic

Percussion 2

Solo Piano

Violin I

Violin II

Viola

Violoncello

Contrabass

403 404 405 406

AFL
pp sempre

EH
pp sempre

Bb CL
pp sempre

BN
pp sempre

F HN
pp sempre

Bb TP
 mute (plunger)
pp sempre

TN

TB

PRC
 1 — (Sea) —>
 2

S PF
p *poco* *mp*

VN I
 mute off

VN II
 mute off

VA
 mute off

VC
 mute off

CB

407 408 409 410 411

poco - rit. - - -

Musical score for Pathways IV: Rhymes & Spirals / IV. Interregnum — Breach — Plus ça change. The score includes staves for AFL, EH, B♭ CL, BN, F HN, B♭ TP, TN, TB, PRC (1 & 2), S PF, VN I, VN II, VA, VC, and CB. It features complex rhythmic patterns with triplets and sextuplets, dynamic markings like *pp*, *mp*, and *p*, and performance instructions such as "mute (plunger)" and "SUSP CYMBAL w/soft yarn". Large numbers 3 and 4 indicate time signature changes. The score is divided into measures 412 through 416.

412

413

414

415

416

Breach

V

♩ = c.120

The musical score is divided into two systems. The first system includes parts for AFL, EH, B♭ CL, BN, F HN, B♭ TP, TN, TB, TAM-TAM w/heavy beater, PRC 1 & 2, and S PF. The second system includes parts for VN I, VN II, VA, VC, and CB. The score features complex rhythmic patterns with frequent ties and slurs. Dynamic markings such as *f sub.* and *ff* are used throughout. Large numbers '4' and '3' are placed at the end of measures to indicate multi-measure rests. The key signature is one flat (B♭).

V

♩ = c.120

417

418

419

420

421

The musical score is arranged in a multi-staff format. The instruments and their parts are as follows:

- AFL**: Alto Flute
- EH**: Euphonium
- Bb CL**: Bb Clarinet
- BN**: Bassoon
- F HN**: Flute
- Bb TP**: Bb Trumpet
- TN**: Trombone
- TB**: Tuba
- PRC**: Percussion (two staves, 1 and 2)
- S PF**: Piano
- VN I**: Violin I
- VN II**: Violin II
- VA**: Viola
- VC**: Violoncello
- CB**: Contrabass

The score features complex rhythmic patterns with frequent time signature changes. Large numbers (3 and 4) are placed at the beginning and end of measures to indicate the time signature. The key signature is B-flat major (two flats). The score is divided into measures 422 through 426.

422

423

424

425

426

The musical score is arranged in a multi-staff format. The top section includes woodwinds (AFL, EH, B♭ CL, BN), brass (F HN, B♭ TP, TN, TB), and percussion (PRC 1 and 2). The middle section features piano (S PF) with detailed dynamics and articulation. The bottom section includes strings (VN I, VN II, VA, VC, CB). The score is divided into measures 427 through 431. Large numbers '3' and '4' indicate time signature changes. The piano part includes markings for *ff*, *f*, *8va*, and *gliss.* with specific rhythmic notations like '5:3'.

427

428

429

430

431

AFL
EH
B \flat CL
BN
F HN
B \flat TP
TN
TB
1
PRC
2
S PF
VN I
VN II
VA
VC
CB

432 433 434 435 436

W

AFL * see note below

EH * see note below

B \flat CL * see note below

BN * see note below

F HN * see note below

B \flat TP * see note below

TN * see note below

TB * see note below

1

PRC 2

S PF *8va* *ff* 5:3

W

VN I

VN II

VA

VC

CB

437 438 439 440 441

* NOTE: Scalar passages continue as before (*ad libitum*, though strictly in tempo) through m. 450.

c. 20"

AFL *take PICCOLO*

EH

B \flat CL

BN

F HN

B \flat TP

TN

TB

VIBRAPHONE w/hard plastic
(motor off; no pedal)

1 *ff secco*

PRC { $\downarrow = 75 \leftrightarrow 150$, *ad lib.* & independent of one another }

2 XYLOPHONE w/hard plastic
ff secco

S PF ($\downarrow = c. 120$)
ff 3-5" 5:3 3-5" 5:3 3-5" 5:3 8=3 5 5 5

VN I

VN II

VA

VC

CB

2/4

2/4

2/4

* TUTTI ensemble (except flute, percussion, and soloist): continue playing within the range previously indicated, fluctuating tempi *ad libitum*.

X ♩ = c.120

PC
EH
B♭ CL
BN
F HN
B♭ TP
TN
TB
PRC 1
PRC 2
S PF

X ♩ = c.120

VN I
VN II
VA
VC
CB

451

452

453

454

455

c. 20"

PC

EH

B \flat CL

BN

F HN

B \flat TP

TN

TB

1

PRC

2

SNARE DRUM

ff agitato (ma non troppo)

(poco)

(poco)

S PF

fff

Sost.

VN I

VN II

VA

VC

CB

* TUTTI ensemble (except percussion and soloist): play pitch(es) indicated, ornamenting in various ways (e.g., rearticulations, fluttertonguing, tremolos, trills), maintaining intensity throughout; do not deviate more than one semitone in either direction.

Y Plus ça change (Coda)

c. 20"

PC
EH
B \flat CL
BN
F HN
B \flat TP
TN
TB

CRASH CYMBALS

1
PRC
2

ff SLEIGH BELLS
(very slowly and gently turn in hands, maintaining a continuous, distant sound)

ppp

S PF

mp *poco* **p** **mp** **mp** **p** *poco*

fff **8^{va}** **8^{ub}**

Y

VN I
VN II
VA
VC
CB

pp *crystalline, senza espress.* **mp** (5-7" ea.)

pp *crystalline, senza espress.* **mp** (5-7" ea.)

pp *crystalline, senza espress.* **mp** (5-7" ea.)

pp *crystalline, senza espress.* **mp** (7-10" ea.)

pp *crystalline, senza espress.* **mp** (7-10" ea.)

* Strings: play mobiles *ad libitum*, attempting to maintain independence from one another; the composite effect should be irregularly phasing swells.

c. 15"

PC

EH

B \flat CL

BN

F HN

B \flat TP

TN

TB

1

PRC

2

S PF

p

mp

p

poco

p

Sost.

8^{vb}

VN I

VN II

VA

VC

CB

dim. - - - - - *n*

463

464

02/04/25