

Konstantinos Vlachos

Sahara

for Orchestra and Fixed Media

Performance Instructions

Instrumentation

Live Orchestra (on stage):

Woodwinds:

2 Flutes
2 Oboes
2 Clarinets in B♭
2 Bassoons

Brass:

2 Horns in F
2 Trumpets in B♭
2 Trombones
1 Tuba

Percussion (4 performers):

Timpani
Bass Drum
Temple Blocks
Tubular Bells

Strings:

1st Violins
2nd Violins
Violas
Cellos
Double Basses

Fixed Media (pre-recorded, projected via 3 loudspeakers):

Three spatially distributed virtual ensembles (SP1, SP2, SP3), rendered using VST instruments and digital spatialisation techniques. Each ensemble includes independently performed woodwinds, brass, percussion, and strings, and is routed to a separate loudspeaker positioned around the audience. These ensembles are represented in the score using reduced-size cue staves to aid synchronisation and spatial orientation.

Duration: approx. 14 minutes

Spatial Playback Setup

Sahara uses three fixed-media audio files, each routed to a separate loudspeaker positioned around the audience:

SP1 (Right) – *Sahara SP1.wav*

SP2 (Rear, behind audience) – *Sahara SP2.wav*

SP3 (Left) – *Sahara SP3.wav*

Each file is stereo (48kHz/24-bit) and should be routed to a single full-range speaker. In larger venues, a matched speaker pair may be used per channel, but both must be fed identical signal.

Click Track and Synchronisation

The piece is performed to a fixed tempo of **quarter note = 90 BPM**, using a click track heard **only by the conductor** via in-ear monitoring.

The click is not shown in the score.

Two stereo click track files are provided:

Sahara Click Track 2 Bars.wav – Contains a 2-bar count-in and then silence.

Sahara Click Track Full.wav – Contains a 2-bar count-in followed by continuous click.

The score begins immediately after the 2-bar count-in.

A reference version, **Sahara with Click.wav**, is also provided for score-following or evaluation use. It combines the stereo flat mix with the continuous click track. It is **not intended for concert performance**.

Cue Staves for Speaker Materials

The fixed-media stems (SP1–SP3) are visually represented in the score using cue staves for conductor reference. Each speaker group includes:

One reduced-size piano staff summarising winds and brass.

One reduced-size piano staff summarising strings.

One reduced-size five-line percussion staff.

Perc. Map: Top to bottom – Timpani / Bass Drum / Temple Blocks / Tub. Bells

All instruments use standard noteheads.

The content in these staves is selective. It is intended to support rehearsal, orientation, and spatial awareness, not full transcription. The cue staves are in concert pitch.

Rhythmic Alignment

In passages where the live orchestra aligns rhythmically with the fixed-media parts, performers are encouraged to prioritise **confident entries** and overall **directional energy**. Precision in every subdivision is not required. Minor asynchrony is both musically appropriate and expected. The effect should favour texture and momentum over mechanical synchrony.

Audio Files

For Performance

Sahara SP1.wav – routed to SP1 (Right speaker)

Sahara SP2.wav – routed to SP2 (Rear speaker)

Sahara SP3.wav – routed to SP3 (Left speaker)

Note: All fixed-media stems (*Sahara SP1–3.wav*) include 2 bars of silence at the beginning to align with the conductor's 2-bar click track count-in.

Click Tracks (Conductor Only)

Sahara Click Track 2 Bars.wav – 2-bar count-in only (used in concert)

Sahara Click Track Full.wav – 2-bar count-in + continuous click (used in rehearsal)

Reference / Documentation Only

Sahara with Click.wav – Stereo flat mix plus click (for study only)

Sahara Flat Stereo.wav – Stereo mixdown of the speaker stems (not for performance)

Only the SP1–SP3 files are to be used for live performance.

Note on “Live” Audio Stem

An optional audio stem titled **Sahara Live.wav** is included. It contains a virtual rendering of the live orchestral part and begins with the same 2-bar silence as the speaker stems, allowing for alignment with the click track. This file is **not intended for performance**, but may be used for balance checking, rehearsal mockups, or synchronisation testing.

Programme Note

Sahara explores immersive sonic space through a dialogue between a live orchestra and three spatialised digital ensembles. These fixed-media speaker groups (positioned to the left, right, and rear of the audience) act as ghost orchestras: simultaneously autonomous and responsive, distant yet intertwined. The piece traverses waves of dense texture, echo counterpoint, fragmented unisons, and warped symmetry. Spatial energy is not only a structural element but a compositional driver, sculpting movement, tension, and resolution over time. Rather than seeking perfect synchronisation, *Sahara* embraces layered simultaneity, spatial ambiguity, and friction between human and mechanical time.

Sahara

for Orchestra

Konstantinos Vlachos
2025

Musical score for orchestra and piano, page 15-20. The score includes parts for Flute 1, 2; Oboe 1, 2; Clarinet 1, 2; Bassoon 1, 2; Violin I; Violin II; Cello; Double Bass; and Piano. The score features complex rhythmic patterns, dynamic markings like *f*, *mp*, *p*, *ff*, and *mf*, and performance instructions such as *nat.*, *flz.*, and *a2*. Measures 15 through 20 are shown, with measure 20 being the last page of the score.

----- Pre-recorded Material (Speaker 1-3) -----

1

Winds/Br.

Str.

2

Winds/Br.

Str.

3

Winds/Br.

Str.

Musical score page 35, measures 25-35. The score includes parts for Flute 1,2; Oboe 1,2; Clarinet 1,2; Bassoon 1,2; Horn 1,2; Trombone 1,2; Timpani; Bass Drum; Violin I; Violin II; Viola; Cello; Double Bass.

Measure 25: Flute 1,2 plays eighth-note pairs. Oboe 1,2 plays eighth-note pairs. Clarinet 1,2 plays eighth-note pairs. Bassoon 1,2 plays eighth-note pairs. Horn 1,2 rests. Trombone 1,2 rests. Timpani rests. Bass Drum rests. Violin I rests. Violin II rests. Viola rests. Cello rests. Double Bass rests.

Measure 26: Flute 1,2 rests. Oboe 1,2 plays eighth-note pairs. Clarinet 1,2 plays eighth-note pairs. Bassoon 1,2 plays eighth-note pairs. Horn 1,2 plays eighth-note pairs. Trombone 1,2 plays eighth-note pairs. Timpani rests. Bass Drum rests. Violin I rests. Violin II rests. Viola rests. Cello rests. Double Bass rests.

Measure 27: Flute 1,2 rests. Oboe 1,2 rests. Clarinet 1,2 rests. Bassoon 1,2 rests. Horn 1,2 rests. Trombone 1,2 rests. Timpani rests. Bass Drum rests. Violin I rests. Violin II rests. Viola rests. Cello rests. Double Bass rests.

Measure 28: Flute 1,2 rests. Oboe 1,2 rests. Clarinet 1,2 rests. Bassoon 1,2 rests. Horn 1,2 rests. Trombone 1,2 rests. Timpani rests. Bass Drum rests. Violin I rests. Violin II rests. Viola rests. Cello rests. Double Bass rests.

Measure 29: Flute 1,2 rests. Oboe 1,2 rests. Clarinet 1,2 rests. Bassoon 1,2 rests. Horn 1,2 rests. Trombone 1,2 rests. Timpani rests. Bass Drum rests. Violin I rests. Violin II rests. Viola rests. Cello rests. Double Bass rests.

Measure 30: Flute 1,2 rests. Oboe 1,2 rests. Clarinet 1,2 rests. Bassoon 1,2 rests. Horn 1,2 rests. Trombone 1,2 rests. Timpani rests. Bass Drum rests. Violin I rests. Violin II rests. Viola rests. Cello rests. Double Bass rests.

Measure 31: Flute 1,2 rests. Oboe 1,2 rests. Clarinet 1,2 rests. Bassoon 1,2 rests. Horn 1,2 rests. Trombone 1,2 rests. Timpani rests. Bass Drum rests. Violin I rests. Violin II rests. Viola rests. Cello rests. Double Bass rests.

Measure 32: Flute 1,2 rests. Oboe 1,2 rests. Clarinet 1,2 rests. Bassoon 1,2 rests. Horn 1,2 rests. Trombone 1,2 rests. Timpani rests. Bass Drum rests. Violin I rests. Violin II rests. Viola rests. Cello rests. Double Bass rests.

Measure 33: Flute 1,2 rests. Oboe 1,2 rests. Clarinet 1,2 rests. Bassoon 1,2 rests. Horn 1,2 rests. Trombone 1,2 rests. Timpani rests. Bass Drum rests. Violin I rests. Violin II rests. Viola rests. Cello rests. Double Bass rests.

Measure 34: Flute 1,2 rests. Oboe 1,2 rests. Clarinet 1,2 rests. Bassoon 1,2 rests. Horn 1,2 rests. Trombone 1,2 rests. Timpani rests. Bass Drum rests. Violin I rests. Violin II rests. Viola rests. Cello rests. Double Bass rests.

Measure 35: Flute 1,2 rests. Oboe 1,2 rests. Clarinet 1,2 rests. Bassoon 1,2 rests. Horn 1,2 rests. Trombone 1,2 rests. Timpani rests. Bass Drum rests. Violin I rests. Violin II rests. Viola rests. Cello rests. Double Bass rests.

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br.

1

Str.

Winds/Br.

2

Str.

Winds/Br.

3

Str.

50

Hn. 1, 2

Tbn. 1, 2

Timp.

B. D.

Vln. I

Vln. II

Vla.

Vc.

D. b.

----- Pre-recorded Material (Speaker 1-3) -----

1

Str.

2

Winds/Br.

3

Str.

Musical score page 60, measures 60-61. The score includes parts for Flute 1, 2; Oboe 1, 2; Clarinet 1, 2; Bassoon 1, 2; Horn 1, 2; Trombone 1, 2; Tuba; Timpani; Bass Drum; Violin I; Violin II; Cello; and Double Bass.

Measure 60 (Measures 1-4):

- Fl. 1, 2: Rests
- Ob. 1, 2: Rests
- Cl. 1, 2: Rests
- Bsn. 1, 2: Rests
- Hn. 1, 2: fp (fortissimo) sustained notes
- Tpt. 1, 2: fp (fortissimo) sustained notes
- Tbn. 1, 2: fp (fortissimo) sustained notes
- Tba.: fp (fortissimo) sustained notes
- Tim.: mf (mezzo-forte) eighth-note patterns
- B. D.: mf (mezzo-forte) eighth-note patterns
- Vln. I: p (pianissimo) sixteenth-note patterns
- Vln. II: mp (mezzo-pianissimo) sixteenth-note patterns
- Vla.: f (forte) sustained notes
- Vc.: p (pianissimo) sustained notes
- Db.: p (pianissimo) sustained notes

Measure 61 (Measures 5-8):

- Fl. 1, 2: ff (fississimo) sixteenth-note patterns
- Ob. 1, 2: ff (fississimo) sixteenth-note patterns
- Cl. 1, 2: ff (fississimo) sixteenth-note patterns
- Bsn. 1, 2: ff (fississimo) sixteenth-note patterns
- Hn. 1, 2: ff (fississimo) sustained notes
- Tpt. 1, 2: ff (fississimo) sixteenth-note patterns
- Tbn. 1, 2: ff (fississimo) sustained notes
- Tba.: ff (fississimo) sustained notes
- Tim.: ff (fississimo) eighth-note patterns
- B. D.: ff (fississimo) eighth-note patterns
- Vln. I: ff (fississimo) sixteenth-note patterns
- Vln. II: ff (fississimo) sixteenth-note patterns
- Vla.: $tutti$ (fortississimo) sixteenth-note patterns
- Vc.: ff (fississimo) sixteenth-note patterns
- Db.: ff (fississimo) sixteenth-note patterns

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br.

1

Str.

Winds/Br.

2

Str.

Winds/Br.

3

Str.

Musical score for orchestra and choir, page 12, measures 65-70.

Measure 65:

- Fl. 1, 2: Sixteenth-note patterns.
- Ob. 1, 2: Sixteenth-note patterns.
- Cl. 1, 2: Notes with grace notes.
- Bsn. 1, 2: Notes with grace notes.

Measure 66:

- Fl. 1, 2: Rests.
- Ob. 1, 2: Sixteenth-note patterns.
- Cl. 1, 2: Notes with grace notes.
- Bsn. 1, 2: Notes with grace notes.

Measure 67:

- Fl. 1, 2: Rests.
- Ob. 1, 2: Rests.
- Cl. 1, 2: Notes with grace notes.
- Bsn. 1, 2: Notes with grace notes.

Measure 68:

- Fl. 1, 2: Rests.
- Ob. 1, 2: Rests.
- Cl. 1, 2: Notes with grace notes.
- Bsn. 1, 2: Notes with grace notes.

Measure 69:

- Fl. 1, 2: Rests.
- Ob. 1, 2: Rests.
- Cl. 1, 2: Notes with grace notes.
- Bsn. 1, 2: Notes with grace notes.

Measure 70:

- Fl. 1, 2: Rests.
- Ob. 1, 2: Rests.
- Cl. 1, 2: Notes with grace notes.
- Bsn. 1, 2: Notes with grace notes.

Measure 71:

- Hn. 1, 2: Notes with grace notes.
- Tpt. 1, 2: Notes with grace notes.
- Tbn. 1, 2: Notes with grace notes.
- Tba.: Notes with grace notes.

Measure 72:

- Hn. 1, 2: Notes with grace notes.
- Tpt. 1, 2: Notes with grace notes.
- Tbn. 1, 2: Notes with grace notes.
- Tba.: Notes with grace notes.

Measure 73:

- Hn. 1, 2: Notes with grace notes.
- Tpt. 1, 2: Notes with grace notes.
- Tbn. 1, 2: Notes with grace notes.
- Tba.: Notes with grace notes.

Measure 74:

- Hn. 1, 2: Notes with grace notes.
- Tpt. 1, 2: Notes with grace notes.
- Tbn. 1, 2: Notes with grace notes.
- Tba.: Notes with grace notes.

Measure 75:

- Timpani: Notes with grace notes.
- B. D.: Notes with grace notes.

Measure 76:

- Vln. I: Divisi section.
- Vln. II: Notes with grace notes.
- Vla.: Notes with grace notes.
- Vc.: Notes with grace notes.
- D. B.: Notes with grace notes.

Measure 77:

- Vln. I: Notes with grace notes.
- Vln. II: Notes with grace notes.
- Vla.: Notes with grace notes.
- Vc.: Notes with grace notes.
- D. B.: Notes with grace notes.

Measure 78:

- Vln. I: Notes with grace notes.
- Vln. II: Notes with grace notes.
- Vla.: Notes with grace notes.
- Vc.: Notes with grace notes.
- D. B.: Notes with grace notes.

Measure 79:

- Vln. I: Notes with grace notes.
- Vln. II: Notes with grace notes.
- Vla.: Notes with grace notes.
- Vc.: Notes with grace notes.
- D. B.: Notes with grace notes.

Measure 80:

- Vln. I: Notes with grace notes.
- Vln. II: Notes with grace notes.
- Vla.: Notes with grace notes.
- Vc.: Notes with grace notes.
- D. B.: Notes with grace notes.

----- Pre-recorded Material (Speaker 1-3) -----

1

Str. - - - *p f subito* *p subito* - - - *f p subito* *f subito* - - - *mf* - - - *pp*

2

Str. - - - - - - - - - - - - - *f* - - - *pp*

3

Str. - - - *f p subito* *f subito* - - - *p f subito* *p subito* - - - - - - - *ff pp*

Fl. 1, 2 fff

Ob. 1, 2 fff

Cl. 1, 2 ff

Bsn. 1, 2 ff

Hn. 1, 2 ff

Tpt. 1, 2 ff

Tbn. 1, 2 ff

Tba. ff

Tim. ff

B. D. ff

Vln. I ff

Vln. II ffff

Vla. ffff

Vc. ff

Db. ff

1. 75

f = mp

f express.

1.

mp = f

mp

tutti

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br.

1

Str.

Winds/Br.

2

Str.

Winds/Br.

3

Str.

mf = mp

p = mf

mp = p

pp = mp

mp = f

pp

Fl. 1, 2

Ob. 1, 2

Cl. 1, 2

Bsn. 1, 2

Hn. 1, 2

Tbn. 1, 2

Vln. I

Vln. II

Vla.

Vc.

Db.

80

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br.

1

Str.

Winds/Br.

2

Str.

Winds/Br.

3

Str.

Musical score for orchestra and piano, page 10, measures 85-100.

Fl. 1, 2: *mp*, *ff*, *nat.*, *flz.*

Ob. 1, 2: *ff*

Cl. 1, 2: *f*

Bsn. 1, 2: *f*

Hn. 1, 2: *ff*

Tpt. 1, 2: *mp*, *f*

Tbn. 1, 2: *f*

Tba.: *ff*

Timpani: *ff*

B. D. (Bass Drum): *ff*

Vln. I: *ff*

Vln. II: *mp*, *ff > mp*, *ff*

Vla.: *ff*

Vc.: *ff*

D. B. (Double Bass): *ff*

----- Pre-recorded Material (Speaker 1-3) -----

1

Winds/Br.

Str.

2

Winds/Br.

Str.

3

Winds/Br.

Str.

Fl. 1, 2

Ob. 1, 2

Cl. 1, 2

Bsn. 1, 2

Hn. 1, 2

Tpt. 1, 2

Tbn. 1, 2

Tba.

Tim.

B. D.

Tub. B.

Vln. I

Vln. II

Vla.

Vc.

D. b.

Str.

Perc.

Str.

Str.

95

Cl. 1, 2

Bsn. 1, 2

Hn. 1, 2

B. D.

T. Bl.

Tub. B.

Vln. I

Vln. II

Vla.

Vc.

Db.

100 1.

7:4

p mp

1.

mf 3 3 pp

1. mute

f

p pp p

divisi 7:4

tutti

mf p mf

pp mp pp

pp mp pp

Pre-recorded Material (Speaker 1-3)

Winds/Br.

Str.

Perc.

1

Str.

pizz.

pp ap pp

p f

Str.

p

Winds/Br.

Str.

p

3

Perc.

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br.

Str.

Perc.

1

Winds/Br.

Str.

Perc.

2

Winds/Br.

Str.

Perc.

3

Winds/Br.

Str.

Perc.

Musical score for orchestra and brass band, pages 115-120. The score includes parts for Flute 1, 2; Oboe 1, 2; Clarinet 1, 2; Bassoon 1, 2; Horn 1, 2; Trumpet 1, 2; Trombone 1, 2; Tuba; Timpani; Bass Drum; Timpani; Trombone; Bassoon; Violin I; Violin II; Cello; Double Bass. The score features dynamic markings such as *f*, *ff*, *pp*, *mf*, *mp*, and *p*. Measure 115 starts with *f* for Flute 1, 2 and Oboe 1, 2. Measure 116 begins with *ff* for all woodwind parts. Measure 117 shows dynamic changes between *ff*, *pp*, *ff*, *pp*, *f*, *ff*, *p*, *mp*, *f*, *ff*, *mf*, *pp*, *f*. Measures 118-119 show complex rhythmic patterns with *ff*, *mp*, *ff*, *p*, *ff*, *mp*, *ff*, *p*, *ff*, *mp*, *ff*, *p*. Measures 120-121 feature *ff* for all parts.

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br.

1

Str.

Winds/Br.

2

Str.

Perc.

Winds/Br.

3

Str.

1. b₁

Fl. 1, 2 125 130 a₂ b₂

Ob. 1, 2 mp — f p — f ff a₂

Cl. 1, 2 mp — f a₂ f ff

Bsn. 1, 2 mp — pp mp — f p f ff

Hn. 1, 2 mp p f a₂ f

Tpt. 1, 2 mp p f a₂ f

Tbn. 1, 2 mp p f a₂ f

Tba. mp p f a₂ f

Tim. p mf f

B. D. pp mp mf

T. Bl. p mf f

Tub. B. p mf

Vln. I p — mp pp div. f ff tutti

Vln. II mf — 3 pp f ff tutti

Vla. mp p arco 7:4 ff arco

Vc. p ff 7:4 ff

D. b. p ff arco

----- Pre-recorded Material (Speaker 1-3) -----

1

Winds/Br. mp — f mp — f mp — f pp — f pp

Str. p — 3 ppp arco 7:4 pp — f pp

2

Winds/Br. mp — f mp — f pp — f pp

Str. mp — p arco 7:4 pp — f pp

3

Winds/Br. mp — pp mp — pp pp — f pp

Str. ppp — 3 p arco 7:4 pp — f pp

Fl. 1, 2
Ob. 1, 2
Cl. 1, 2
Bsn. 1, 2
Hn. 1, 2
Tpt. 1, 2
Tbn. 1, 2
Tba.
Timp.
B. D.
T. Bl.
Tub. B.
Vln. I
Vln. II
Vla.
Vc.
Db.

135
fff
fff
fff
ff
a2
ff
ff
f
pizz.
arco
pizz.
arco

----- Pre-recorded Material (Speaker 1-3) -----

1
Winds/Br.
Str.
Winds/Br.
Str.
Winds/Br.
Str.

2
Winds/Br.
Str.
Winds/Br.
Str.

3
Winds/Br.
Str.

140

Fl. 1, 2
Ob. 1, 2
Cl. 1, 2
Bsn. 1, 2

pp

145

ff

1. a2

1. a2

pp

ff

Hn. 1, 2
Tpt. 1, 2
Tbn. 1, 2
Tba.

a2
f mp pp
a2
f mp pp
a2
f mp pp
a2
f mp pp

ff

Tim. mf pp ff

B. D. mp p ppp f

T. Bl. mf mp pp ff

Tub. B. pp ff

Vln. I
Vln. II

div. pp tutti ff

Vla.
Vc.
Db.

f mp <f mp <f mp arco
f mp <f mp <f mp ffff

pizz. f mp p ffff

----- Pre-recorded Material (Speaker 1-3) -----

1 Winds/Br. ppp p f pp

Str. f mp f pp

2 Winds/Br. ppp p f pp

Str. f mp f pp

3 Winds/Br. ppp p f pp

Str. mp f pp

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br.

1

Str.

Winds/Br.

2

Str.

Winds/Br.

3

Str.

Musical score for orchestra and piano, page 160-165. The score includes parts for Flute 1, 2; Oboe 1, 2; Clarinet 1, 2; Bassoon 1, 2; Horn 1, 2; Trombone 1, 2; Tuba; Timpani; Bass Drum; Trombone Bass; Violin I; Violin II; Cello; Double Bass. The score features complex rhythmic patterns, dynamic markings like *ffff*, *p*, *pp*, *f*, *mp*, and *espress.*. Measure 160 starts with *ffff* for Flutes 1, 2 and Oboes 1, 2. Measures 161-162 show various dynamics and articulations. Measure 163 begins with *ffff* for Flutes 1, 2 and Oboes 1, 2. Measure 164 features a dynamic transition from *pp* to *f*. Measures 165-166 continue with complex rhythms and dynamics, including *mp*, *pp*, and *espress.* The score concludes with a section for Violin I, Violin II, Cello, and Double Bass.

----- Pre-recorded Material (Speaker 1-3) -----

170

Fl. 1, 2

Cl. 1, 2

Bsn. 1, 2

Tim.

B. D.

T. Bl.

Vln. I

Vln. II

Vla.

Vc.

D. b.

175

This musical score page shows measures 170 through 175. The instrumentation includes Flutes 1 & 2, Clarinets 1 & 2, Bassoons 1 & 2, Timpani, Bass Drum (B. D.), Tom-Tom (T. Bl.), Violin I, Violin II, Viola, Cello, and Double Bass. Measure 170 features woodwind entries with dynamic markings like mp, pp, and f. Measures 171-172 show various instruments playing eighth-note patterns. Measures 173-175 feature sustained notes and sustained chords. A bracket labeled "Pre-recorded Material (Speaker 1-3)" spans across the middle of the page, indicating where recorded voices will be integrated.

— — — — Pre-recorded Material (Speaker 1-3) — — — —

1

Winds/Br.

Str.

2

Winds/Br.

Str.

3

Winds/Br.

Str.

This section of the score is organized into three vertical columns, each corresponding to a speaker (1, 2, or 3). Each column contains two staves: one for Winds/Br. and one for Str. (Strings). The music consists of eighth-note patterns and sustained notes. The first column (Speaker 1) starts with a dynamic of p mf. The second column (Speaker 2) starts with pp. The third column (Speaker 3) starts with p mf. The score continues with alternating patterns between the two instrument groups for each speaker.

Musical score page 180 featuring multiple staves and dynamic markings:

- Fl. 1, 2: Rests throughout the first three measures, then dynamic **f** espress.
- Cl. 1, 2: Rests throughout the first three measures, then dynamic **mf**.
- Bsn. 1, 2: Rests throughout the first three measures, then dynamic **f**.
- Hn. 1, 2: Measure 1 dynamic **mp**, measure 2 dynamic **f**, measure 3 dynamic **pp**.
- Tbn. 1, 2: Measure 1 dynamic **mp**, measure 2 dynamic **f**.
- Tba.: Measure 1 dynamic **f**.
- Timpani: Measure 1 dynamic **f**, measure 2 dynamic **mp** followed by **f**.
- Vln. I: Measures 1-2 dynamic **mp**, measure 3 dynamic **f**. Measure 4 dynamic **mp**, measure 5 dynamic **nat.**.
- Vln. II: Measures 1-2 dynamic **mp**, measure 3 dynamic **f**. Measure 4 dynamic **mp**, measure 5 dynamic **nat.**.
- Vla.: Measures 1-2 dynamic **ff**, measure 3 dynamic **p**, measure 4 dynamic **ff**. Measure 5 dynamic **p subito**.
- Vc.: Measures 1-2 dynamic **ff**, measure 3 dynamic **mp**, measure 4 dynamic **ff**. Measure 5 dynamic **p subito**.
- D. b.: Measures 1-2 dynamic **ff**, measure 3 dynamic **mp**, measure 4 dynamic **ff**. Measure 5 dynamic **p subito**.

----- Pre-recorded Material (Speaker 1-3) -----

1 Str.

2 Str.

3 Str.

185

Fl. 1, 2 a2
Ob. 1, 2 a2
Cl. 1, 2 a2
Bsn. 1, 2 a2
Hn. 1, 2 f ff
Tpt. 1, 2
Tbn. 1, 2 mp f
Tba. mp f p
Tim. mp f p mp
Vln. I ff pp
Vln. II ff pp
Vla. ff pp
Vc. ff pp
Db. ff pp

190

Fl. 1, 2 mp
Ob. 1, 2 mp
Cl. 1, 2 mp
Bsn. 1, 2 mp
Hn. 1, 2 gliss.
Tpt. 1, 2 f
Tbn. 1, 2 a2
Tba. mp
Tim. mp
Vln. I
Vln. II
Vla.
Vc.
Db.

This section of the musical score spans from measure 185 to 190. It includes parts for Flutes 1 & 2, Oboes 1 & 2, Clarinets 1 & 2, Bassoons 1 & 2, Horns 1 & 2, Trombones 1 & 2, Double Bass, Timpani, Violin I, Violin II, Viola, Cello, and Double Bassoon. Dynamics and performance instructions like 'ff', 'pp', 'gliss.', and 'f' are indicated. Measure 190 concludes with a transition to 'Pre-recorded Material'.

— — — — Pre-recorded Material (Speaker 1-3) — — — —

1 Winds/Br. f
Str. mp pp f pp p mf pp
2 Winds/Br. mp pp f pp mp
Str. mp pp f pp mp f pp
3 Winds/Br. p ff
Str. mp pp f pp p mf pp

This section shows three staves for 'Winds/Br.' and 'Str.' (String) instruments, labeled 1, 2, and 3. Each staff consists of two parts: a woodwind/bassoon part and a string part. The dynamics and performance techniques (e.g., 'gliss.', 'f', 'mf') are consistent across all three speakers.

Musical score page 195. The score includes parts for Flute 1,2 (dynamic fff), Oboe 1,2 (dynamic fff), Clarinet 1,2 (dynamic fff), Bassoon 1,2 (dynamic fff), Horn 1,2 (dynamic ff), Trumpet 1,2 (dynamic fff), Trombone 1,2 (dynamic fff), Tuba (dynamic ff), Timpani, Violin I (dynamic fff), Violin II (dynamic fff), Cello (dynamic fff), and Double Bass (dynamic fff). The score features various musical markings such as grace notes, slurs, and dynamic markings like ff and fff. Measure 195 concludes with a dynamic ff and measure 196 begins with a dynamic ff.

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br.

1

Str.

Winds/Br.

2

Str.

Winds/Br.

3

Str.

Fl. 1, 2
Ob. 1, 2
Cl. 1, 2
Bsn. 1, 2
Hn. 1, 2
Tpt. 1, 2
Tbn. 1, 2
Tba.
Timp.
Vln. I
Vln. II
Vla.
Vc.
Db.

----- Pre-recorded Material (Speaker 1-3) -----

1

Winds/Br.

Str.

2

Winds/Br.

Str.

3

Winds/Br.

Str.

210

Fl. 1, 2
Ob. 1, 2
Cl. 1, 2
Bsn. 1, 2

Hn. 1, 2
Tpt. 1, 2
Tbn. 1, 2
Tba.

Tim.

Vln. I
Vln. II
Vla.
Vc.
Db.

215

1. 1. 1. 1.

f *p*

mp *f* *mp* *a2*

mp *f* *mp* *a2*

mp *f* *p* *a2*

mp *f* *espress.* *mf*

f *p*

f *mp* *mp* *mp*

ff subito *mp*

ff subito *mp*

ff subito *mp*

ff subito *mp*

— — — — Pre-recorded Material (Speaker 1-3) — — — —

Winds/Br.

1 Str.

2 Str.

3 Str.

Winds/Br.

Winds/Br.

Str.

Winds/Br.

Str.

225

Fl. 1, 2 ff p

Ob. 1, 2 a2 ff f *espress.*

Cl. 1, 2 a2 ff p

Bsn. 1, 2 a2 ff p

Hn. 1, 2 f p

Tpt. 1, 2 f p

Tbn. 1, 2 f p

Tba. f p

T. Bl. - p

Vln. I f p

Vln. II f p

Vla. f p

Vc. f pizz.

D. B. f pizz.

----- Pre-recorded Material (Speaker 1-3) -----

1 Str.

2 Winds/Br.

3 Str.

230

a2

Fl. 1, 2
Ob. 1, 2
Cl. 1, 2
Bsn. 1, 2
Hn. 1, 2
Tpt. 1, 2
Tbn. 1, 2
Tba.
Timp.
T. Bl.
Vln. I
Vln. II
Vla.
Vc.
Db.

----- Pre-recorded Material (Speaker 1-3) -----

1

Winds/Br.
Str.

2

Winds/Br.
Str.

3

Winds/Br.
Str.

Musical score for orchestra and piano, page 10, measures 235-240.

Measure 235:

- Fl. 1, 2: eighth notes
- Ob. 1, 2: eighth notes
- Cl. 1, 2: eighth notes
- Bsn. 1, 2: eighth notes
- Hn. 1, 2: eighth notes
- Tpt. 1, 2: eighth notes
- Tbn. 1, 2: eighth notes
- Tba.: eighth notes
- Timpani: rests
- B. D.: rests
- T. Bl.: rests

Measure 240:

- Fl. 1, 2: eighth notes
- Ob. 1, 2: eighth notes
- Cl. 1, 2: eighth notes
- Bsn. 1, 2: eighth notes
- Hn. 1, 2: eighth notes
- Tpt. 1, 2: eighth notes
- Tbn. 1, 2: eighth notes
- Tba.: eighth notes
- Timpani: rests
- B. D.: rests
- T. Bl.: rests

Measure 241:

- Vln. I: eighth notes
- Vln. II: eighth notes
- Vla.: eighth notes
- Vc.: eighth notes
- Db.: eighth notes

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br.

1

Str.

Winds/Br.

2

Str.

Winds/Br.

3

Str.

Fl. 1, 2 f 245

Ob. 1, 2 f

Cl. 1, 2

Bsn. 1, 2

Hn. 1, 2 f

Tpt. 1, 2

Tbn. 1, 2 ff

Tba. ff

Timp. f

B. D.

T. Bl. f

Vln. I

Vln. II

Vla. pizz. f arco ff

Vc. pizz. f arco ff

D. b. pizz. f arco ff

260

Fl. 1, 2
Ob. 1, 2
Cl. 1, 2
Bsn. 1, 2
Tim. B. D.
T. Bl.
Vln. I
Vln. II
Vc.
Db.

1. *mp*

p

f p subito

f

mp

p

mp

p

f subito

pp

p

p

f subito

pp f

p

This page contains a musical score for orchestra and three tracks of pre-recorded material. The score includes parts for Flutes 1 & 2, Oboes 1 & 2, Clarinets 1 & 2, Bassoons 1 & 2, Timpani, Bass Drum, Tuba, Violin I, Violin II, Cello, and Double Bass. The score begins at measure 260 with dynamic markings such as *mp*, *p*, *f p subito*, *f*, *mp*, *p*, *mp*, *p*, *f subito*, *pp*, and *p*. Measures 265-266 show further dynamics and performance instructions like *mp*, *f*, *p*, and *mp*. Below the score, a box labeled "Pre-recorded Material (Speaker 1-3)" is shown, followed by three staves of music for each speaker, numbered 1, 2, and 3. Each speaker's staff includes Wind/Bassoon and String sections.

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br.

1

Str.

Winds/Br.

2

Str.

Winds/Br.

3

Str.

pp *mp*

p f subito

mp pp

f mp

pp f subito

mp pp

p

mp

pp f subito

mp pp

arco

mf

p f subito

pp f subito

mp pp

arco

mf

p

f mp

p

f p subito

pp mp

pp mp

This section shows three staves of pre-recorded material, each corresponding to a speaker (1, 2, or 3). Each staff includes parts for Winds/Br. and Str. (Strings). The music consists of various dynamics and performance techniques, including *pp*, *mp*, *p*, *f*, *f subito*, *pp f subito*, *mp pp*, *arco*, and *mf*.

270

Fl. 1, 2

Ob. 1, 2

Cl. 1, 2

Bsn. 1, 2

Timp.

B. D.

T. Bl.

Vln. I

Vln. II

Vc.

D. B.

— — — — Pre-recorded Material (Speaker 1-3) — — — —

1 Str.

2 Str.

3 Str.

Fl. 1, 2 275 f $\overbrace{\text{---}}^{7:4} \overbrace{\text{---}}^{7:4}$ mp flz. nat. > 280 mp < f pp subito a2 f $\overbrace{\text{---}}^{7:4}$ mf

Ob. 1, 2 - p $\overbrace{\text{---}}^{pp}$

Cl. 1, 2 mp p $\overbrace{\text{---}}^{pp}$ a2 $\overbrace{\text{---}}^{7:4}$ $\overbrace{\text{---}}^{7:4}$ mf

Bsn. 1, 2 ff $\overbrace{\text{---}}^{mp}$ a2 $\overbrace{\text{---}}^{7:4}$ $\overbrace{\text{---}}^{7:4}$ mp $\overbrace{\text{---}}^{7:4}$

Tim. -

B. D. -

T. Bl. -

Vln. I p mp $\overbrace{\text{---}}^p$ mp $\overbrace{\text{---}}^{f}$

Vln. II f $\overbrace{\text{---}}^{mp}$ mp $\overbrace{\text{---}}^{f}$

Vc. -

D. b. -

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br. p $\overbrace{\text{---}}^{pp}$ f $\overbrace{\text{---}}^{mf}$

1
Str. f $\overbrace{\text{---}}^{mp}$ $\overbrace{\text{---}}^{mp}$ $\overbrace{\text{---}}^{mp}$ $\overbrace{\text{---}}^{mp}$ $\overbrace{\text{---}}^{mp}$

Winds/Br. mp $\overbrace{\text{---}}^{7:4}$

2
Str. mp $\overbrace{\text{---}}^p$ $\overbrace{\text{---}}^{mp}$ $\overbrace{\text{---}}^{mp}$ $\overbrace{\text{---}}^{mp}$ $\overbrace{\text{---}}^{mp}$

Winds/Br. p $\overbrace{\text{---}}^{pp}$ mp $\overbrace{\text{---}}^{7:4}$ $\overbrace{\text{---}}^{7:4}$ mf

3
Str. mp $\overbrace{\text{---}}^{7:4}$ $\overbrace{\text{---}}^{7:4}$ mp $\overbrace{\text{---}}^{f}$

Fl. 1, 2 1. nat.
flz. $\frac{2}{4}$ f

Ob. 1, 2

Cl. 1, 2 $\frac{7}{4}$
 f p

Bsn. 1, 2 p

Tim. ff $\frac{3}{4}$

B. D.

T. Bl.

Vln. I $p \leftarrow mp$ $f \leftarrow pp$

Vln. II $p \leftarrow mp$ $f \leftarrow pp$

Vla.

Vc. arco
 mp

D. b. arco
 mp

This page contains a musical score for orchestra and three tracks of pre-recorded material. The score includes parts for Flute 1, 2; Oboe 1, 2; Clarinet 1, 2; Bassoon 1, 2; Timpani; Bass Drum; Tuba; Violin I; Violin II; Cello; Double Bass; and Viola. The score is numbered 285. The pre-recorded material consists of three tracks, each with its own dynamic markings and performance instructions. Track 1 starts with a forte dynamic and ends with a piano dynamic. Track 2 starts with a piano dynamic and ends with a forte dynamic. Track 3 starts with a piano dynamic and ends with a forte dynamic.

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br.

1

Str.

Winds/Br.

2

Str.

Winds/Br.

3

Str.

This section shows three tracks of pre-recorded material. Each track consists of two staves: one for Winds/Br. and one for Str. The first track (Speaker 1) starts with a forte dynamic and ends with a piano dynamic. The second track (Speaker 2) starts with a piano dynamic and ends with a forte dynamic. The third track (Speaker 3) starts with a piano dynamic and ends with a forte dynamic. The tracks are labeled 1, 2, and 3 on the left side of the page.

290

Fl. 1, 2
Ob. 1, 2
Cl. 1, 2
Bsn. 1, 2
Tim.
B. D.
T. Bl.
Vln. I
Vln. II
Vla.
Vc.
Db.

----- Pre-recorded Material (Speaker 1-3) -----

1

Winds/Br.

Str.

2

Winds/Br.

Str.

3

Winds/Br.

Str.

Fl. 1, 2
Ob. 1, 2
Cl. 1, 2
Bsn. 1, 2
Vln. I
Vln. II
Vla.
Vc.
Db.

295

This page shows a musical score for orchestra and pre-recorded material. The top section (measures 294-295) includes parts for Flute 1, 2; Oboe 1, 2; Clarinet 1, 2; Bassoon 1, 2; Violin I; Violin II; Cello; Double Bass; and Bassoon. Dynamics include *mp*, *fff*, *p*, *ff*, and *f*. Measure 295 begins with a dynamic of *fff* followed by two measures of *7:4* time. The bottom section (measures 296-297) is labeled "Pre-recorded Material (Speaker 1-3)" and shows three staves for Winds/Br., Str., and Perc. The first staff (Winds/Br.) has dynamics *p*, *f*, *p*, *ff*, *p*, and *p*. The second staff (Str.) has dynamics *f*, *ppp*, *pp*, *ppp*, and *p*. The third staff (Perc.) has dynamics *mp*, *p*, *p*, *p*, and *p*.

----- Pre-recorded Material (Speaker 1-3) -----

1

Winds/Br.
Str.
Perc.

2

Winds/Br.
Str.
Perc.

3

Winds/Br.
Str.
Perc.

This block contains three sets of staves, each labeled with a number (1, 2, or 3) and a category (Winds/Br., Str., or Perc.). Each set consists of three staves. The dynamics for each set are as follows:

- Set 1:** Winds/Br. (*p*, *f*, *p*, *ff*, *p*, *p*); Str. (*f*, *ppp*, *pp*, *ppp*, *p*); Perc. (*mp*, *p*, *p*, *p*, *p*)
- Set 2:** Winds/Br. (*ff*, *p*, *p*, *ff*, *ff*, *p*); Str. (*ff*, *p*, *p*, *ff*, *f*, *p*); Perc. (*p*, *p*, *p*, *p*, *p*)
- Set 3:** Winds/Br. (*p*, *f*, *p*, *pp*, *p*, *f*); Str. (*pp*, *ppp*, *p*, *ppp*, *p*); Perc. (*mp*, *p*, *p*, *p*, *p*)

Fl. 1, 2 p fff mp fff

Ob. 1, 2 p fff mp fff

Cl. 1, 2 p fff mp fff

Bsn. 1, 2 fff mp fff

Timp.

B. D.

T. Bl.

Vln. I p fff p

Vln. II mp fff p

Vla. p f

Vc. p f

Db. p f

The score consists of two main sections. The top section shows a full orchestra with parts for Flutes 1 & 2, Oboes 1 & 2, Clarinets 1 & 2, Bassoons 1 & 2, Timpani, Bass Drum, Tom-Tom, Violin I, Violin II, Viola, Cello, and Double Bass. The bottom section is labeled "Pre-recorded Material (Speaker 1-3)" and contains three staves for Winds/Breath, Strings, and Percussion, each with three systems of music. Measures include dynamics like p, ff, f, mp, pp, and fff, and performance instructions like 7:4 time signatures and 3rd endings.

— Pre-recorded Material (Speaker 1-3) —

1

Winds/Br. p ff pp ff pp ff

Str. f mf pp pp f

Perc. v v v

2

Winds/Br. p fff mp fff p ff

Str. p ff p ff p

Perc. v v v

3

Winds/Br. pp ppp f pp f

Str. f p mf f ff

The pre-recorded material is organized into three groups, each with three staves. Group 1 (Winds/Br.) has staves for Winds/Br., Str., and Perc. Group 2 (Winds/Br.) has staves for Winds/Br., Str., and Perc. Group 3 (Winds/Br.) has staves for Winds/Br., Str., and Perc. Each group contains three systems of music, with dynamics such as p, ff, f, mp, pp, and fff, and performance instructions like 7:4 time signatures and 3rd endings.

----- Pre-recorded Material (Speaker 1-3) -----

Winds/Br.

1

Str.

Perc.

Winds/Br.

2

Str.

Winds/Br.

3

Str.

Perc.

Fl. 1, 2
Ob. 1, 2
Cl. 1, 2
Bsn. 1, 2
Hn. 1, 2
Tpt. 1, 2
Tbn. 1, 2
Tba.
Timpani
B. D.
T. Bl.
Vln. I
Vln. II
Vla.
Vc.
Db.

305

— Pre-recorded Material (Speaker 1-3) —

1

Winds/Br.
Str.
Perc.

2

Winds/Br.
Str.
Perc.

3

Winds/Br.
Str.

Fl. 1, 2
Ob. 1, 2
Cl. 1, 2
Bsn. 1, 2
Hn. 1, 2
Tp. 1, 2
Tbn. 1, 2
Tba.
Timp.
B. D.
T. Bl.
Tub. B.
Vln. I
Vln. II
Vla.
Vc.
Db.

----- Pre-recorded Material (Speaker 1-3) -----

1

Winds/Br.
Str.
Perc.

2

Winds/Br.
Str.
Perc.

3

Winds/Br.
Str.
Perc.

Fl. 1, 2
Ob. 1, 2
Cl. 1, 2
Bsn. 1, 2
Hn. 1, 2
Tpt. 1, 2
Tbn. 1, 2
Tba.
Timp.
B. D.
T. Bl.
Tub. B.
Vln. I
Vln. II
Vla.
Vc.
Db.

310

pp *pp* *pp* *pp* *ppp* *ppp* *ppp* *ppp* *p* *p* *p* *p* *pp* *pp* *pp* *pp*

----- Pre-recorded Material (Speaker 1-3) -----

1

Winds/Br.
Str.
Perc.

ff *pp* *pp*

2

Winds/Br.
Str.
Perc.

f *pp* *pp*

3

Winds/Br.
Str.
Perc.

p *f* *pp*

ff *pp* *pp*