

Stephen Mitton

Distance Humors

for Orchestra



Duration

Approx. 7:00

Instrumentation

1 Piccolo
1 Flute
1 Oboe
1 Clarinet in Bb
1 Bassoon

1 Horn in F
1 Trumpet in C
1 Trombone
1 Tuba

Timpani

Percussion 1:
Vibraphone, Glockenspiel

Percussion 2:
Hi-hat, Claves, Cabasa, Bass Drum, Sus. Cymbal,
Triangle, Tam-tam, Snare Drum, Tambourine

Harp

Strings

About this Piece:

Distance Humors is a selection of short orchestrated movements from a six-movement piano suite of the same name. The piece was written during the COVID-19 pandemic and is a response to the effects of social distancing and self-isolation. During the pandemic, it has been interesting to witness the psychological effects of these conditions in people, particularly young children. Three of these effects are explored musically in this piece in the form of three moods or “humors,” namely, aggressiveness, introspectiveness, and restlessness.

In the piano suite, each movement is built around a particular musical interval or “distance” (expressed both melodically and harmonically). This approach to writing the short movements gives them each a distinct sound quality, and each represents a different style or aesthetic (e.g. minimalistic [I. Mechanical], twelve-tone [II. Detached], etc.).

In this orchestration, the final three movements are represented, respectively: IV. “Aggressive” (based on perfect fourths); V. “Introspective” (based on major and minor sixths); and VI. “Restless” (based on minor and major thirds). Due to their interval content, these three movements work well as a set, with perfect intervals, thirds, and sixths frequently outlining functional (or near-functional) tonal harmonies.

Distance Humors

I

Stephen Mitton
(2020)

Aggressive ♩ = 160
♩ = ♪ Throughout

Piccolo *ff*

Flute *ff*

Oboe *ff*

Clarinet in B♭ *ff*

Bassoon *ff*

Horn in F *ff* straight mute

Trumpet in C *f*

Trombone *f*

Tuba

Timpani Eb, F, Eb, F

Vibraphone

Percussion Hi-Hat, Claves, Cabasa, Bass Drum, Sus. Cymbal, Triangle

Harp

Violin I *f*

Violin II *f*

Viola *mf pesante* div. unis. *f*

Cello *mf pesante* *f*

Contrabass *mf pesante* *f*

1 2 3 4 5 6 7

A

Picc. *sub. p* *ff*

Fl. *sub. p* *ff*

Ob. *sub. p* *ff*

B♭ Cl. *sub. p* *ff* *p* *mf* *mp*

Bsn. *sub. p* *ff* *p* *mf* *mp*

Hn. *mp* *mf* *ff* *mf*

C Tpt. *mp* *mf* *ff* *mf*

Tbn. *mp* *mf* *ff* *mf*

Tuba *ff* *mf*

Timp. *mp* Eb - A, F - B, Eb - C#, F - E

Vib.

Perc. *ff* *mf* Hi-Hat to Claves

Hp.

Vln. I *pizz.* *mp* *mf* *sub. p* *arco* *ff* *pizz.* *mf*

Vln. II *pizz.* *mp* *mf* *sub. p* *arco* *ff* *pizz.* *mf*

Vla. *pizz.* *mp* *mf* *sub. p* *ff* *div. arco* *pizz.* *mf*

Vc. *pizz.* *mp* *mf* *ff* *mf*

Cb. *pizz.* *mp* *mf* *ff* *mf*

mp 8 *mf* 9 10 11 12 13 14 *mf* 15 16

Picc. *p*

Fl. *p*

Ob. *p* *mp* *p*

B♭ Cl. *p* *mp* *p*

Bsn. *p* *mp* *p*

Hn. *p* *p*

C Tpt. *p*

Tbn. *p* *p*

Tuba *p* *p*

Timp.

Vib. *mf* *Ped.* *mf* *Ped.* *Ped.*

Perc. *p* *Claves*

Hp. *mf* *mf*

Vln. I

Vln. II *p* *arco* *pizz.*

Vla. *p* *arco* *pizz.*

Vc. *p* *arco* *pizz.*

Cb. *p* *arco*

p 17 18 19 20 21 22 23 24 25

B

Picc.
Fl.
Ob.
B♭ Cl.
Bsn.

Hn.
C Tpt.
Tbn.
Tuba.

Timp.
Vib.
Perc. to Cabasa
Hp.

Cabasa

B

Vln. I
Vln. II
Vla.
Vc.
Cb.

26

27

28

29

30

31

32

33

f 34

35

Musical score for orchestra and strings, measures 36-44. The score includes parts for Piccolo, Flute, Oboe, B♭ Clarinet, Bassoon, Horn, Trumpet (C), Trombone, Tuba, Timpani, Vibraphone, Percussion, Harp, Violin I, Violin II, Viola, Violoncello, and Contrabass. The music is in 2/4 time and features various dynamics and performance instructions.

Measures 36-44 are shown. Dynamics include *f*, *mp*, *p*, *mf*, and *pp*. Performance instructions include *arco*, *div.*, *unis.*, and *Ped.*. A large "PREVIEW" watermark is overlaid on the score.

rit.

C $\text{♩} = 108$

accel.

Musical score for orchestral instruments. The score includes parts for Picc., Fl., Ob., B♭ Cl., Bsn., Hn., C Tpt., Tbn., Tuba, Timp., Vib., Perc. (Claves), Hp., Vln. I, Vln. II, Vla., Vc., and Cb. The music is written in 2/4 time and includes dynamic markings (p, mp, f) and performance instructions (rit., accel.). Measure numbers 45, 46, 47, 48, 49, 50, 51, 52, and 53 are indicated at the bottom of the score. A large 'PREVIEW' watermark is overlaid on the page.

D Tempo I

Picc. *ff*

Fl. *ff*

Ob. *ff*

B♭ Cl. *ff*

Bsn. *ff*

Hn. *ff*

C Tpt. *ff*

Tbn. *ff*

Tuba *ff*

Timp. *mf pesante*

Vib.

Perc. *ff* *mf*

Hp.

D Tempo I

Vln. I *ff*

Vln. II *ff* *mf pesante*

Vla. *ff* *mf pesante* *div.*

Vc. *ff* *mf pesante*

Cb. *ff* *mf pesante*

54 55 56 57 58 59 60

Picc. *p*

Fl. *p*

Ob. *p*

B♭ Cl. *p* *pp*

Bsn. *p* *pp* *p*

Hn.

C Tpt.

Tbn.

Tuba *ff*

Timp.

Vib.

Perc. *f* *p* *Bass Drum*

Hp.

Preview

Vln. I *div.* *ff*

Vln. II *ff*

Vla. *ff*

Vc. *ff* *p* *pp* *p* *sol*

Cb. *ff* *p* *pp*

61 62 63 64 65 66 67 68 69 70

Picc. Fl. Ob. B♭ Cl. Bsn. Hn. C Tpt. Tbn. Tuba Timp. Vib. Perc. Hp. Vln. I Vln. II Vla. Vc. Cb.

71 72 73 74 75 76 77 78 79 80 81

Picc. *f* *ff*

Fl. *f* *ff*

Ob. *f* *fp* *ff*

B♭ Cl. *f* *ff*

Bsn. *f* *ff*

Hn. *f* *fp* *ff*

C Tpt. *f* *fp* *ff*

Tbn. *f*

Tuba *f*

Timp. A - F#

Vib.

Perc. *p* *ff* L.V. to Triangle

Hp.

Vln. I *f* *fp* *ff*

Vln. II *f* *fp* *ff*

Vla. *f* *fp* *ff*

Vc. *f* *ff* *f pesante* *div.* *unis.* *div.* *f pesante unis.*

Cb. *f* *fp* *f pesante* *div.* *unis.*

82 83 84 85 86 87 88 89

F Leggiero ♩ = 184

Picc. *p* *p* *f*

Fl. *p* *p* *f*

Ob. *p* *p*

B♭ Cl. *p*

Bsn.

Hn.

C Tpt.

Tbn.

Tuba

Timp.

Vib. *mf* *Ped.* *Ped.* *

Perc. *mf* Triangle *to Sus. Cymbal*

Hp. *mf*

F Leggiero ♩ = 184

Vln. I *pizz.* *pp* *pizz.*

Vln. II *pizz.* *pp*

Vla. *pizz.* *pp*

Vc. *div.* *p pizz.* *pp unis.*

Cb. *p pizz.* *pp*

90 91 *p* 92 93 94 95 96 97

Picc. Fl. Ob. B♭ Cl. Bsn. Hn. C Tpt. Tbn. Tuba Timp. Vib. Perc. Hp. Vln. I Vln. II Vla. Vc. Cb.

musical score with measures 98-106. Includes parts for Piccolo, Flute, Oboe, Bass Clarinet, Bassoon, Horn, Trumpet, Trombone, Tuba, Timpani, Vibraphone, Percussion, Harp, Violin I, Violin II, Viola, Violoncello, and Contrabass. The score features various dynamics (p, mf, mp, solo) and performance instructions like 'Ped.' and 'arco'.

rit. **G** Tempo I

Picc. *mf* *mp*

Fl. *mf* *mp*

Ob. *mf* *mp*

B♭ Cl. *f* *mf* *mp*

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

Hn. *mf* *mp*

C Tpt.

Tbn.

Tuba

Timp.

Vib.

Perc. *mp* Sus. Cymbal L.V.

Hp.

rit. **G** Tempo I

Vln. I *mf* *mp*

Vln. II *mf* *mp* *div.*

Vla. *mf* *arco* *mp* *div.*

Vc. *f* *mp* *mf*

Cb. *f* *pizz.*

107

108

109

110

111

112

113

114

rit.

♩ = 60

Picc. Fl. Ob. B♭ Cl. Bsn. Hn. C Tpt. Tbn. Tuba Timp. Vib. Perc. Hp.

to Tam-tam
mf Ped
to Glockenspiel

mp *pp* *p* *mf* *pp* *mf* *mp*

rit.

♩ = 60

Vln. I Vln. II Vla. Vc. Cb.

mf *mp* *pp* *pp* *mp* *pp* *pp*

arco

unis.

II

Introspective ♩ = 60

Piccolo *p*

Flute *p*

Oboe *p*

Clarinet in B♭ *p*

Bassoon *p*

Horn in F *p*

Trumpet in C

Trombone

Tuba

Timpani A, C, D, E

Glockenspiel *mp*

Percussion Tam-tam

Harp *mp*

Introspective ♩ = 60

Violin I *p* con sord.

Violin II *p* con sord.

Viola *p* con sord.

Cello *p*

Contrabass *p* con sord.

2 3 4 5

Picc.

Fl.

Ob.

B♭ Cl.

Bsn.

Hn.

C Tpt.

Tbn.

Tuba

Timp.

Glk.

Perc.

Hp.

Vln. I

Vln. II

Vla.

Vc.

Cb.

cup mute

p

6 7 8 9 10 11

poco rall.

A *A tempo*

Picc. *mp* *p*

Fl. *mp* *p*

Ob. *mp* *p*

B♭ Cl. *mp* *p*

Bsn. *mp* *p*

Hn. *mp*

C Tpt. *mp* *p*

Tbn.

Tuba

Timp.

Glk. *mp*

Perc.

Hp. *mp*

poco rall.

A *A tempo*

Vln. I *mp* *p* *pp*

Vln. II *mp* *p* *pp*

Vla. *mp* *p* *pp*

Vc. *mp* *p* *pp*

Cb. *mp* *p* *pp*

12 13 14 15 16 17

Picc. *mp* *pp*

Fl. *mp* *pp*

Ob. *mp* *pp*

B♭ Cl. *mp* *pp*

Bsn. *mp* *pp*

Hn.

C Tpt.

Tbn.

Tuba *mf* *pp*

Timp. *mf* *pp*

Glk. *mf* *p*

Perc.

Hp.

Vln. I *mf* *pp*

Vln. II *mf* *pp*

Vla. *mf* *pp*

Vc. *mf* *pp*

Cb. *mf* *pp*

mf 18 19 20 21

Preview

B

Picc. *pp* *mp*

Fl. *pp* *p*

Ob. *mp*

B♭ Cl. *p*

Bsn. *mp*

Hn.

C Tpt. *pp* straight mute

Tbn. *p*

Tuba

Timp. A - E, C - G#, D - B

Glk. *p*

Perc.

Hp. *mp* *mf*

Vln. I *pp shimmering* *div.* senza sord.

Vln. II *pp shimmering* *div.* senza sord.

Vla. senza sord.

Vc. *pp shimmering* senza sord.

Cb. *pp shimmering* senza sord.

22

23

24

25

26

C

The musical score for measures 20 through 32 is presented in a standard orchestral layout. The woodwind section (Piccolo, Flute, Oboe, Bass Clarinet, Bassoon) and brass section (Horn, Trumpet, Trombone, Tuba) feature dynamic markings such as *fp*, *mf*, *f*, *p*, and *pp*. The string section (Violin I, Violin II, Viola, Violoncello, Contrabass) includes markings for *mf*, *f*, *p*, and *pp*, along with performance instructions like *unis.*, *div.*, *pizz.*, and *arco*. The Harp part is marked with *f* and *mp*. Percussion parts for Glockenspiel and Percussion are also present. Measure numbers 27, 28, 29, 30, and 31 are indicated at the bottom of the score.

PREVIEW

D

Picc. *p*

Fl. *p*

Ob. *p*

B♭ Cl. *p*

Bsn. *p*

Hn. *pp*

C Tpt. *pp*

Tbn. *pp*

Tuba *pp*

Timp.

Glk. *mp*

Perc.

Hp. *mp* *8va* *loco*

D

Vln. I *pp*

Vln. II *pp*

Vla. *pp*

Vc. *pp*

Cb. *pp* *unis.*

poco rall.

A tempo

rit.

♩ = 40

Picc. *f* *mp* *pp*

Fl. *f* *mp* *pp*

Ob. *f* *mp* *pp*

B♭ Cl. *f* *mp* *pp*

Bsn. *f* *mp* *pp*

Hn. *f* *mp* *pp*

C Tpt. *f* *mp* *pp*

Tbn. *f* *mp* *pp*

Tuba *f* *mp* *pp*

Timp. *f* *mp* *pp*

Glk. *f* *mp* *pp*

Perc. *f* *mp*

Hp. *f* *mp* *pp*

Tam-tam (Scraped) *Tam-tam (Struck)*

poco rall.

A tempo

rit.

♩ = 40

Vln. I *mf* *f* *mp* *pp*

Vln. II *f* *mp unis.* *pp*

Vla. *f* *mp* *pp*

Vc. *f* *mp* *pp*

Cb. *f* *mp* *pp*

Restless $\text{♩} = 80$ In two

III

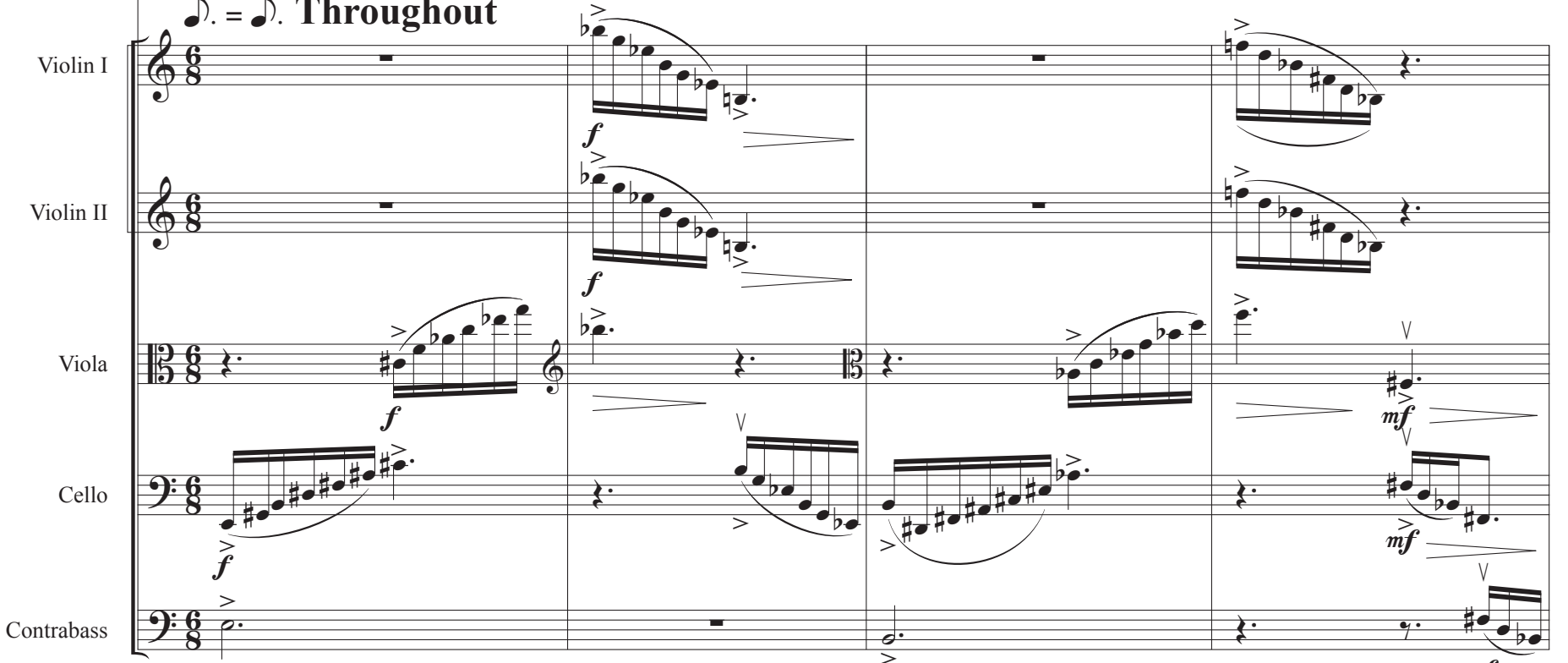
$\text{♩} = \text{♩}$. Throughout



Musical score for woodwinds and percussion. Instruments include Piccolo, Flute, Oboe, Clarinet in B \flat , Bassoon, Horn in F, Trumpet in C, Trombone, Tuba, Timpani, Glockenspiel, and Percussion. The score features various dynamics such as *f*, *fp*, and *mf*. The Percussion part includes Bass Drum, Snare Drum, Tambourine, and Bass Drum.

Restless $\text{♩} = 80$ In two

$\text{♩} = \text{♩}$. Throughout



Musical score for strings. Instruments include Violin I, Violin II, Viola, Cello, and Contrabass. The score features dynamics such as *f*, *fp*, and *mf*.

24 Half Tempo ♩. = 40

accel.

Picc.

Fl.

Ob.

B♭ Cl.

Bsn.

Hn.

C Tpt.

Tbn.

Tuba

Timp.

Glk.

Perc.

Hp.

Half Tempo ♩. = 40

accel.

Vln. I

Vln. II

Vla.

Vc.

Cb.

5 6 7 8 9 10

A Alla marcia
Tempo I

Picc.

Fl.

Ob.

B♭ Cl.

Bsn.

Hn.

C Tpt.

Tbn.

Tuba

Timp.

Glk.

Perc.

Hp.

Snare Drum

to Tambourine

f, *mp*, *f*, *mp*, *f*, *mp*, *f*, *mp*, *f*, *mp*, *f*, *mp*, *f*, *mp*

PREVIEW

A Tempo I
Alla marcia

Vln. I

Vln. II

Vla.

Vc.

Cb.

f, *mp*, *f*, *mp*, *f*, *mp*, *f*, *mp*, *f*, *mp*, *f*, *mp*, *f*, *mp*

div., unis., pizz., arco pizz. unis. div., arco unis. pizz. div., arco unis., pizz. div., pizz. unis., arco, pizz., arco

11, 12, 13, 14, 15

Picc. *mf* *f* *p*

Fl. *f* *sub. p* *mf* *f* *p*

Ob. *f* *sub. p* *mp* *mf* *f* *p*

B♭ Cl. *f* *sub. p* *mp* *mf* *f* *p*

Bsn. *p* *mf* *p*

Hn. *p*

C Tpt.

Tbn. *mp* *mf*

Tuba

Timp. *p* *mp* *mf*

Glk. *f* *mp*

Perc. *p* *mf* *Tambourine* *to Snare Drum*

Hp. *mp* *f*

Vln. I *mp* *mf* *f* *p* *div.*

Vln. II *unis.* *sub. p* *mp* *mf* *p* *div.*

Vla. *sub. p* *div.* *mf* *p* *mf*

Vc. *sub. p* *div.* *mf* *unis.* *p* *mf*

Cb. *p* *mf* *p* *mf*

16 17 18 19 20

Picc. *p* *mp* *f*

Fl. *p* *mp* *f*

Ob.

B \flat Cl.

Bsn.

Hn.

C Tpt. *p*

Tbn. *p*

Tuba

Timp.

Glk.

Perc.

Hp. *mp* *f*

Vln. I *p* *mp* *mf* unis. non div.

Vln. II *pp* *p* *mp* *mf* unis. non div.

Vla. *p* *mp* *mf* non div.

Vc. *pp* *p* *mf* non div.

Cb.

Preview

Picc.
Fl.
Ob.
B^b Cl.
Bsn.
Hn.
C Tpt.
Tbn.
Tuba
Timp.
Glc.
Perc.
Hp.
Vln. I
Vln. II
Vla.
Vc.
Cb.

Preview

Picc. *f* *ff* *p* *mp*

Fl. *f* *ff* *p* *mp*

Ob. *f* *ff* *p* *mp*

B♭ Cl. *f* *ff* *p* *mp* *p*

Bsn. *f* *ff* *p* *mp* *p*

Hn. *f* *ff* *p* *mp* *p*

C Tpt. *p*

Tbn. *f* *p* *mp* *p*

Tuba

Timp.

Glk.

Perc. Snare Drum *f* *ff* *mf*

to Bass Drum

Hp. *mf*

Vln. I *ff* *pp* *pizz.*

Vln. II *ff* *pp* *pizz. unis.*

Vla. *ff* *pp* *pizz.*

Vc. *ff*

Cb. *f*

PREVIEW

Picc. *mp*

Fl. *mp*

Ob. *mp* *ff*

B♭ Cl. *mp* *ff*

Bsn. *mp* *ff*

Hn.

C Tpt.

Tbn. *p*

Tuba *p*

Timp. *fp*

Glk. *mp*

Perc. Bass Drum *fp*

Hp. *ff*

Vln. I *f* *ff*

Vln. II *f* *ff*

Vla. *f* *ff*

Vc. *pizz.* *pp* *f* *ff*

Cb. *f* *ff*

Vln. I *f* *ff*

Vln. II *f* *ff*

Vla. *f* *ff*

Vc. *pizz.* *pp* *f* *ff*

Cb. *f* *ff*

Picc.

Fl. *ff*

Ob. *p*

B♭ Cl. *p*

Bsn.

Hn.

C Tpt. *p* cup mute

Tbn. *p*

Tuba *p*

Timp. *fp*

Glk. *p*

Perc. *fp* to Snare Drum

Hp.

This section of the score includes parts for Piccolo, Flute, Oboe, B♭ Clarinet, Bassoon, Horn, Trumpet (C), Trombone, Tuba, Timpani, Glockenspiel, Percussion, and Harp. The woodwinds and strings are marked with dynamics such as *ff* and *p*. The percussion part includes a snare drum part starting at measure 42. A large 'PREVIEW' watermark is overlaid diagonally across the page.

Vln. I

Vln. II

Vla. *mf*

Vc. *mf*

Cb. *mf*

41 *fp* 42 43 *mf* 44 45

This section of the score includes parts for Violin I, Violin II, Viola, Violoncello, and Contrabass. The strings are marked with dynamics such as *mf*. Measure numbers 41, 42, 43, 44, and 45 are indicated at the bottom of the staves. A large 'PREVIEW' watermark is overlaid diagonally across the page.

D

Picc. $\frac{9}{16}$

Fl. $\frac{9}{16}$ *mf*

Ob. $\frac{9}{16}$ *mp*

B♭ Cl. $\frac{9}{16}$ *mp*

Bsn. $\frac{9}{16}$ *p*

Hn. *open* $\frac{9}{16}$ *mf*

C Tpt. *open* $\frac{9}{16}$ *mf*

Tbn. $\frac{9}{16}$

Tuba $\frac{9}{16}$

Timp. $\frac{9}{16}$

Glk. $\frac{9}{16}$

Perc. $\frac{9}{16}$

Hp. *mp* $\frac{9}{16}$

PREVIEW

D

Vln. I $\frac{9}{16}$

Vln. II $\frac{9}{16}$ *mf*

Vla. *p* $\frac{9}{16}$ *mf*

Vc. *p* $\frac{9}{16}$ *mf*

Cb. *p* $\frac{9}{16}$

46 47 48 49 50

Tempo I

In two
Alla marcia

E

Picc. *mf* *f*

Fl. *f*

Ob. *f*

B♭ Cl. *f*

Bsn. *f* *sub. p* *f* *mp*

Hn. *mp*

C Tpt.

Tbn.

Tuba

Timp. *mp*

Glk. *mf* *f*

Perc. *mp* Snare Drum

Hp. *f*

Tempo I

In two
Alla marcia

E

Vln. I *f*

Vln. II *f*

Vla. *f* *sub. p* *f*

Vc. *f* *sub. p* *f* *mp* *pizz.* *arco unis.*

Cb. *f* *sub. p* *f* *mp* *pizz.* *arco*

In three

Picc. *f*

Fl. *f*

Ob. *f*

B♭ Cl. *f*

Bsn. *f* *mp* *f*

Hn. *f* *mp* *f*

C Tpt.

Tbn.

Tuba

Timp. E - F, C - E *f*

Glk.

Perc. *f* *mp* *f* to Bass Drum

Hp.

In three

Vln. I

Vln. II *div.*

Vla. *div.* *mp* *f*

Vc. *pizz. div.* *f* *mp* *f* *mp* *f* *mp* *f* *mp* *f*

Cb. *pizz.* *f* *mp* *f*

56 58 59 60

In two

Picc. *mp*

Fl. *mp*

Ob. *mp*

B♭ Cl. *mp*

Bsn. *mp* *p*

Hn. *mp*

C Tpt. *mp*

Tbn.

Tuba

Timp.

Glk. *mp*

Perc.

Hp.

In two

Vln. I *mp* *p*

Vln. II *mp* *p*

Vla. *pizz.* *arco unis. div.* *p*

Vc. *pizz.* *arco* *p*

Cb. *mp* *p*

61 *mp* *p* 64

Preview

F

Picc. *p* *ff* 9/16

Fl. *p* *ff* *mf* 9/16

Ob. *p* *ff* *mf* 9/16

B♭ Cl. *p* *ff* 9/16

Bsn. 9/16

Hn. *p* *mf* 9/16

C Tpt. *p* *mf* 9/16

Tbn. *mf* 9/16

Tuba 9/16

Timp. 9/16

Glk. *p* *ff* 9/16

Perc. 9/16

Hp. *mf* 9/16

Vln. I *p legato* *ff* *mf* 9/16

Vln. II *p legato* *ff* *mf* *div.* *unis.* 9/16

Vla. *p legato* *ff* *mf* *div.* *unis.* 9/16

Vc. *pp* *ff* *mf* 9/16

Cb. 9/16

65 66 67 68 69

In three

rit.

Picc.

Fl.

Ob.

B♭ Cl.

Bsn.

Hn.

C Tpt.

Tbn.

Tuba

Timp.

Glk.

Perc.

Hp.

In three

rit.

Vln. I

Vln. II

Vla.

Vc.

Cb.

70

71

mf

72

73

74

38 Half Tempo ♩ = 40

accel.

Tempo I

Picc. *f*

Fl. *f*

Ob. *f*

B♭ Cl. *f*

Bsn. *f*

Hn. *f*

C Tpt. *f*

Tbn. *f*

Tuba *f*

Timp. *f*

Glk. *f*

Perc. *f*

Hp. *f*

Preview

Half Tempo ♩ = 40

accel.

Tempo I

Vln. I *f* unis.

Vln. II *f* unis.

Vla. *f*

Vc. *f*

Cb. *f*