

Christopher Stark

REFUGEE

for brass quintet & electronics

(2016)

Full Score

S O M M E R S O P U B L I S H I N G

INSTRUMENTATION

2 C Trumpets
F Horn
Tenor Trombone
Bass Trombone

TECHNICAL REQUIREMENTS

Laptop with Max/MSP software
Two powered speakers with enough power to match the ensemble
Necessary cables

DURATION

ca. 12'00"

SCORE IN C

Score in C

REFUGEE

Reverberant, glowing ♩ = 60

Christopher Stark

Trumpet 1

Trumpet 2

Horn

Trombone

Bass Trombone

Sample Cues

Electronic Playback

ONE TWO

SINE WAVES WITH ACCEL/DECEL. LFOS

-31 cents (like a 7th partial)

like a distant bell

pp < *mf* > *pp*

fp < *mf* > *pp*

like a distant bell, -31 cents (like a 7th partial)

fp < *mf* > *pp*

-31 cents

7

simile *pp* < *mp* > *pp*

simile *pp* < *mp* > *pp*

fp < *mf* > *pp*

simile *fp* < *mf* > *pp*

pp < *mp* > *pp*

pp < *mp* > *pp*

pp < *mp* > *pp*

THREE

+2 cents

pp mf pp mp pp

pp mf pp mp pp

fp mf pp mp pp

pp mf pp mp pp

pp mf pp mp pp

FOUR

-14 cents

like a distant bell

fp mf pp mp pp pp f pp

+41 cents (like a 13th partial)

pp mf pp mp pp f pp

fp mf pp mp pp f pp

simile +41 cents (like a 13th partial)

fp mf pp mp pp fp f pp

pp mf pp mp pp f

FIVE

+41 cents

25

+41 cents (like a 13th partial)

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

like a distant bell +41 cents

mp *pp* *fp* *mf* *pp* *f*

-49 cents (like an 11th partial)

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

like a distant bell

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

SIX

+4 cents

-49 cents

31

-31 cents (like a 7th partial)

f *pp* *f* *pp* *mf*

(like a 13th partial)

-49 cents (like an 11th partial)

f *pp* *f* *pp* *mf* *pp*

-49 cents (like an 11th partial)

pp *f* *pp* *mf* *pp*

f *pp* *f* *pp* *mf* *pp*

-31 cents (like a 7th partial)

f *pp* *f* *pp* *mf* *pp*

SEVEN

-12 cents

Musical score for measures 35-39. The score consists of five staves. The first four staves are in treble clef, and the fifth is in bass clef. The music is in 8/8 time. The first staff has a dynamic marking of *pp* and a performance instruction: "-31 cents (like a 7th partial)". The second staff has dynamic markings of *mp*, *pp*, and *ff*. The third staff has dynamic markings of *mp*, *pp*, and *ff*. The fourth staff has dynamic markings of *mp*, *pp*, and *ff*. The fifth staff has dynamic markings of *mp*, *pp*, and *ff*. A box labeled "EIGHT" is placed below the fourth staff. A box labeled "PARTIALS BEGIN TO RISE BY OCTAVE DISPLACEMENT" is placed below the fifth staff. The music features various rhythmic patterns, including eighth and sixteenth notes, and rests. There are also some triplets indicated by a "3" over a group of notes.

Musical score for measures 40-44. The score consists of five staves. The first four staves are in treble clef, and the fifth is in bass clef. The music is in 8/8 time. The first staff has dynamic markings of *pp* and *ff sempre*. The second staff has dynamic markings of *pp* and *ff sempre*. The third staff has dynamic markings of *pp* and *ff sempre*. The fourth staff has dynamic markings of *pp* and *ff sempre*. The fifth staff has dynamic markings of *pp* and *ff sempre*. The music features various rhythmic patterns, including eighth and sixteenth notes, and rests. There are also some triplets indicated by a "3" over a group of notes.

46

pp ff pp ff pp ff pp ff pp ff

51

pp p pp p pp p pp ff p sub.

6
58

-49 cents (like an 11th partial)

-31 cents (like a 7th partial)

mp-p *mf* *mfp*

mp-p *mf* *mfp*

mp *mp-p* *mfp* *mf* *mfp*

mp-p *mf* *mfp*

mp-p *mf* *mfp*

63

f *fp* *ff*

f *fp* *ff*

fp *f* *fp* *ff*

f *fp* *ff*

f *fp* *ff*

NINE

67

ff sempre

ff sempre

ff sempre

slowly/evenly gliss. to create beating

stabilize the beating -50 cents (as out-of-tune as poss.)

gliss.

gliss.

ff *pp* *f*

ffp *f* *pp*

TEN

SYNTHESIS SAMPLE 1 - WITH DELAY

ff

71

ff *pp* *f*

ffp *f* *pp*

simile

+50 cents

gliss.

gliss.

ELEVEN

SYNTHESIS SAMPLE 2 - WITH DELAY

ff

Musical score for measures 75-78. The score includes three treble staves and two bass staves. The treble staves feature triplet patterns. The bass staves include glissando markings and dynamic markings: *ff*, *pp*, *f*, and *pp*. A piano part is shown below with a label "TWELVE". A synthesis sample is indicated as "SYNTHESIS SAMPLE 3 - WITH DELAY". A tempo or pitch change is noted as "+50 cents".

Musical score for measures 79-82. The score includes three treble staves and two bass staves. The treble staves feature melodic lines with dynamic markings: *mf* and *mf*. The bass staves include glissando markings and dynamic markings: *ff*, *pp*, and *f*. A piano part is shown below with a label "THIRTEEN". A synthesis sample is indicated as "SYNTHESIS SAMPLE 4 - WITH DELAY". A tempo or pitch change is noted as "+50 cents".

83

all notes should be played as sixteenth notes
eighth notes are used to clarify the rhythm

ff *p sempre, staccatissimo*

all notes should be played as sixteenth notes
eighth notes are used to clarify the rhythm

ff *p sempre, staccatissimo*

all notes should be played as sixteenth notes
eighth notes are used to clarify the rhythm

ff *p sempre, staccatissimo*

all notes should be played as sixteenth notes
eighth notes are used to clarify the rhythm

ff *p sempre, staccatissimo*

all notes should be played as sixteenth notes
eighth notes are used to clarify the rhythm

ff *p sempre, staccatissimo*

SYNTHESIS RESONANCE 1

mf

87

SYNTHESIS RESONANCE 2

mf

10
90

Musical score for measures 90-95. The score consists of five staves. The top four staves are in treble and bass clefs, showing melodic and harmonic lines. The fifth staff is a grand staff with a piano part. The piano part includes two sections labeled "SYNTHESIS RESONANCE 3" and "SYNTHESIS RESONANCE 4". The dynamic marking *mf* is present below the piano part.

96

Musical score for measures 96-100. The score consists of five staves. The top four staves are in treble and bass clefs, showing melodic and harmonic lines. The fifth staff is a grand staff with a piano part. The piano part includes a section labeled "FOURTEEN" and a section labeled "SYNTHESIS SAMPLE 1 - WITH DELAY". The dynamic markings *ff sempre*, *ffp*, *ff*, and *pp* are present throughout the score.

102

f *pp* *ffp* *f*

slowly/evenly gliss.
to create beating

stabilize the beating
+50 cents (as out-of-tune as poss.)

gliss. *gliss.* *gliss.*

f *ff* *pp*

simile

FIFTEEN

SYNTHESIS SAMPLE 2 - WITH DELAY

ff

107

f *pp* *ffp* *f*

-50 cents

gliss. *gliss.*

+50 cents

f *ff* *pp* *f*

SIXTEEN

SYNTHESIS SAMPLE 3 - WITH DELAY

ff

112

113

114

115

116

mf

mf

mf

pp *ffp* *f* *f*

gliss. *gliss.*

-50 cents

SEVENTEEN

SYNTHESIS SAMPLE 4 - WITH DELAY

ff

117

118

119

120

121

ff *p staccatissimo* *mp* *mf*

ff *p staccatissimo* *mp* *mf*

ff *p staccatissimo* *mp* *mf* *f*

ff *p staccatissimo* *mp* *mf* *f*

ff *p staccatissimo* *mp* *mf* *f*

SYNTHESIS RESONANCE 1

mf

121

Musical score for measures 121-124. The score consists of five staves. The top four staves are in treble clef, and the bottom staff is in bass clef. Dynamic markings include *f*, *ff*, *pp*, and *mf*. The bottom staff contains a section labeled "SYNTHESIS RESONANCE 2" with a *mf* dynamic marking.

125

Musical score for measures 125-128. The score consists of five staves. The top four staves are in treble clef, and the bottom staff is in bass clef. Dynamic markings include *ff*, *pp*, and *mf*. The bottom staff contains a section labeled "SYNTHESIS RESONANCE 3" with a *mf* dynamic marking.

Musical score for measures 128-130. The score consists of five staves. The top four staves are for a string quartet (Violin I, Violin II, Viola, and Cello/Double Bass). The bottom staff is for a double bass. The music features complex rhythmic patterns with frequent accents and dynamic markings. The dynamic markings include *ff* (fortissimo), *pp* (pianissimo), and *pp < ff* (pianissimo to fortissimo). A box labeled "SYNTHESIS RESONANCE 4" is positioned above the double bass staff in measure 129. The double bass staff shows a series of horizontal lines, indicating a sustained or resonant sound.

Musical score for measures 131-134. The score consists of five staves. The top four staves are for a string quartet (Violin I, Violin II, Viola, and Cello/Double Bass). The bottom staff is for a double bass. The music features complex rhythmic patterns with frequent accents and dynamic markings. The dynamic markings include *pp* (pianissimo), *ff* (fortissimo), and *pp < ff* (pianissimo to fortissimo). The double bass staff shows a series of horizontal lines, indicating a sustained or resonant sound.

136

Musical score for measures 136-139. The score consists of five staves. The first three staves are in treble clef, and the last two are in bass clef. The music features complex rhythmic patterns with many sixteenth notes. Dynamic markings include *ff* and *pp*. Tuning adjustments are indicated: "-31 cents (7th partial)" above the second staff and "-31 cents (7th partial)" above the third staff.

140

Musical score for measures 140-143. The score consists of five staves. The first three staves are in treble clef, and the last two are in bass clef. The music features complex rhythmic patterns with many sixteenth notes. Dynamic markings include *pp* and *ff*. Tuning adjustments are indicated: "-49 cents (11th partial)" above the first staff, "-31 cents (7th partial)" above the second staff, and "+50 cents" above the fourth staff.

156 simile

Musical score for measures 156-162. The score consists of five staves: two treble clefs, two bass clefs, and a grand staff. It features complex rhythmic patterns with triplets and dynamic markings such as *ff*, *pp*, and *ff*. The music is marked "simile".

163

Musical score for measures 163-170. The score consists of five staves: two treble clefs, two bass clefs, and a grand staff. It features complex rhythmic patterns with triplets and dynamic markings such as *pp*, *ff*, and *exp-cresc.*. The music concludes with a forte (*f*) marking.

exp-cresc. simile -31 cents (7th partial)

ff *pp* simile *ff* *pp* *ff* *pp*

ff *pp* simile *ff* *pp* *ff* *pp*

pp simile *ff* *pp* *ff* *pp*

pp simile *ff* *pp* *ff* *pp*

pp simile *ff* *pp* *ff* *pp*

CROSSFADE GLITCH PULSE - QUARTER-TONE CLUSTER (from C4 to E-flat4)

pp *ff* *pp* *ff*

ff *pp* *ff*

ff *pp* *ff* *pp*

ff *pp* *ff* *pp*

ff *pp* *ff* *pp*

183

sharp cutoff, do not re-articulate

pp — *ff* pp — *ff* pp — *ff* pp < *ff*

sharp cutoff, do not re-articulate

pp — *ff* pp — *ff* pp — *ff* pp

sharp cutoff, do not re-articulate

ff pp — *ff* pp — *ff* pp — *ff*

sharp cutoff, do not re-articulate

ff pp — *ff* pp — *ff* pp — *ff*

f

189

ff pp — *ff* pp — *ff* pp — *ff*

ff pp — *ff* pp — *ff* pp — *ff*

pp — *ff* pp — *ff* pp — *ff*

pp — *ff* pp — *ff* pp — *ff*

pp — *ff* pp — *ff* pp — *ff*

f

-50 cents

+50 cents

pp — *ff* *pp* — *ff poss.* *p sub.* *ff* *p sub.*

pp — *ff* *pp* — *ff poss.* *ff* *p sub.*

pp — *ff* *pp* — *ff poss.* *p sub.*

pp — *ff* *pp* — *ff poss.* *ff* *p*

pp — *ff* *pp* — *ff poss.* *ff*

NINETEEN TWENTY

SYNTHESIS SAMPLE 1 - WITH DELAY

GLITCH PULSE - A MINOR BASS ECHO - A1

pp

209

ff *pp*

TWENTY-ONE

SYNTHESIS SAMPLE 2 - WITH DELAY

f *pp*

217

mp *pp* *mp* *pp*

mp *pp* *mp* *pp*

mp *pp* *mp* *pp*

mp *pp* *mp* *pp*

mp *f* *mp* *f* *mp* *f* *mp* *f* *mp*

244

Musical score for measures 244-250. The score consists of five staves. The first four staves are in treble clef, and the fifth is in bass clef. Dynamics include *pp*, *mp*, *f*, and *ff*. A box labeled "TWENTY-TWO" is located in the lower right area of the score.

-31 cents (7th partial)

TWENTY-TWO

251

Musical score for measures 251-256. The score consists of five staves. The first four staves are in treble clef, and the fifth is in bass clef. Dynamics include *pp* and *mp*. A box labeled "TWENTY-TWO" is located in the lower right area of the score.

-49 cents (11th partial)

Musical score for measures 24-259. The score consists of five staves. The top four staves are in treble clef, and the bottom staff is in bass clef. The music features a variety of dynamics, including *pp* (pianissimo) and *mp* (mezzo-piano). The notation includes slurs, ties, and rests. The first staff has dynamics *pp*, *mp*, *pp*, and *mp*. The second staff has *pp*, *mp*, *pp*, and *mp*. The third staff has *mp*, *pp*, *mp*, and *pp*. The fourth staff has *mp*, *pp*, *mp*, and *pp*. The fifth staff has *mp*, *pp*, *mp*, and *pp*.

Musical score for measures 267-270. The score consists of five staves. The top four staves are in treble clef, and the bottom staff is in bass clef. The music features a variety of dynamics, including *pp* (pianissimo) and *ff* (fortissimo). The notation includes slurs, ties, and rests. The first staff has dynamics *pp* and *ff*. The second staff has *pp* and *ff*. The third staff has *mp*, *pp*, and *ff*. The fourth staff has *mp*, *pp*, and *ff*. The fifth staff has *mp* and *ff*. Below the staves, there are two boxes: "TWENTY-THREE" and "BASS ECHO - F1". The bottom staff has dynamics *f* and *pp*.

272

Musical score for measures 272-275. The score consists of five staves. The top two staves are in treble clef, and the bottom three are in bass clef. The music features a complex rhythmic pattern with many sixteenth and thirty-second notes, often beamed together. There are several slurs and accents throughout the passage.

276

Musical score for measures 276-280. The score consists of five staves. The top two staves are in treble clef, and the bottom three are in bass clef. The music continues with the same complex rhythmic pattern as the previous section, featuring many sixteenth and thirty-second notes with slurs and accents.

TWENTY-FOUR

BASS ECHO - G1

f *pp*

Musical score for measures 280-284. The score consists of five staves. The top four staves are for the main instruments, and the bottom staff is for the bass. The music features a complex rhythmic pattern with many sixteenth notes and eighth notes. There are dynamic markings *f* and *pp* at the bottom of the bass staff. A box labeled "TWENTY-FIVE" is positioned above the bass staff, and a box labeled "BASS ECHO - A1" is positioned below it.

Musical score for measures 285-289. The score consists of five staves. The top four staves are for the main instruments, and the bottom staff is for the bass. The music features a complex rhythmic pattern with many sixteenth notes and eighth notes. There are dynamic markings *pp* and *ff* throughout the score. A box labeled "TWENTY-SIX" is positioned above the bass staff, and a box labeled "BASS ECHO - C2" is positioned below it.

290

Musical score for measures 290-295. The score consists of five staves. The top four staves are for piano, and the bottom staff is for bassoon. Dynamics include *pp*, *f*, *ff*, and *mp*. There are several triplet markings. The bassoon part has two sections labeled "TWENTY-SEVEN" and "TWENTY-EIGHT".

296

Musical score for measures 296-301. The score consists of five staves. The top four staves are for piano, and the bottom staff is for bassoon. Dynamics include *mf*, *pp*, and *p*. There are several triplet markings. The bassoon part has a section labeled "TWENTY-NINE".

Musical score for measures 302-307. The score consists of five staves. The first three staves are in treble clef, and the last two are in bass clef. The music features a variety of dynamics including *pp*, *mp*, and *p*. Trills and triplets are indicated with '3' and a bracket. A trill in the second staff is marked with '-50 cents', and a trill in the fourth staff is marked with '+50 cents'. The piece concludes with a final trill in the fourth staff.

Musical score for measures 308-313. The score consists of five staves. The first three staves are in treble clef, and the last two are in bass clef. The music features a variety of dynamics including *p*, *pp*, and *ppp*. Trills and triplets are indicated with '3' and a bracket. A trill in the fourth staff is marked with '-50 cents', and a trill in the fifth staff is marked with '+50 cents'. The piece concludes with a final trill in the fifth staff.

314

pp ppp pp

pp ppp pp

pp ppp pp

ppp pp ppp pp

ppp pp ppp pp

320

ppp pp ppp pp

ppp pp ppp pp

ppp pp ppp

ppp pp ppp

ppp pp ppp

slowly, subtly, and randomly bend in-and-out of tune

slowly, subtly, and randomly bend in-and-out of tune

ppp pp

slowly, subtly, and randomly bend in-and-out of tune

ppp

pp ppp pp ppp

pp ppp pp ppp

pp ppp

THIRTY

PALESTRINA SYNTHESIZED VOCAL SAMPLE

Do
ppp cresc. poco a poco na

ppp pp ppp

pp ppp pp

pp ppp

pp ppp

pp ppp

pp ppp

cresc...

no bis,

343

ppp pp ppp

ppp pp

slowly, subtly, and randomly bend in-and-out of tune

ppp pp ppp

pp pp ppp

pp ppp

ppp

pa

351

ppp pp ppp

ppp pp ppp

ppp pp ppp

slowly, subtly, and randomly bend in-and-out of tune

ppp pp

pp ppp

pp ppp

cresc...

mf sempre

32
360

Musical score for measures 32-360. The score consists of six staves. The top five staves are for instruments: four treble clefs and one bass clef. The bottom staff is for the vocal line. The music features a complex texture with multiple melodic lines. Dynamics include *pp* and *ppp*. The vocal line has the lyrics "Do - - - - - na".

368

Musical score for measures 368-395. The score consists of six staves. The top five staves are for instruments: four treble clefs and one bass clef. The bottom staff is for the vocal line. The music features a complex texture with multiple melodic lines. Dynamics include *pp* and *ppp*. The vocal line has the lyrics "no - - - - - bis, - - - - - pa - - - - -".

379

pp ppp pp ppp pp ppp

ppp pp ppp

pp ppp

ppp pp ppp

pp 3 3 ppp

cem.

Reverberant, solemn, dark ♩ = 120

389

pp mp pp pp mp pp

pp mp pp pp mp pp

pp mp pp pp mp pp

pp mp pp pp mp pp

pp mp pp pp mp pp

THIRTY-ONE

Do - - - - - na - - - - - no - -

Musical score for measures 396-401. The score consists of six staves: five for instruments (three treble clefs and two bass clefs) and one for the vocal line. Each instrument staff features a dynamic marking of *pp* (pianissimo) at the beginning of the first measure, *mp* (mezzo-piano) in the second measure, and *pp* in the third measure, with a crescendo and decrescendo hairpin connecting the *pp* and *mp* markings. The vocal line includes the lyrics: "bis - - - - - pa - - - - - cem, Do - - - - -".

Musical score for measures 402-407. The score consists of six staves: five for instruments (three treble clefs and two bass clefs) and one for the vocal line. Each instrument staff features a dynamic marking of *pp* (pianissimo) at the beginning of the first measure, *mp* (mezzo-piano) in the second measure, and *pp* in the third measure, with a crescendo and decrescendo hairpin connecting the *pp* and *mp* markings. The vocal line includes the lyrics: "na - - - - - no - - - - - bis - - - - - pa - - - - -".

408

-31 cents (7th partial)

pp mp pp pp mp pp

pp mp pp pp mp pp

pp mp pp pp mp pp

pp mp pp pp mp pp

pp mp pp pp mp pp

pp mp pp pp mp pp

cem.

414

Slower ♩ = 100

Slower ♩ = 80

pp mp pp pp mp pp

pp mp pp pp mp pp

pp mp pp pp mp pp

pp mp pp pp mp pp

pp mp pp pp mp pp

pp mp pp pp mp pp