

EWA TRĘBACZ

# things lost things invisible

for ambisonic space and orchestra

(2007)

part score

Horn 3



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## TUNING

Brass instruments are divided into 2 groups for tuning purposes.

Group 1 marked with ♯ stays in tune with Flute 1 and Group 1 of the string section. This group includes horns 1 & 3, trumpets 1 & 3 and trombones 1 & 3.

Group 2 marked with ♭ tunes approximately 1/6-1/4 tone lower than the Group 1. This group includes horns 2 & 4, trumpets 2 & 4 and trombones 2 & 4.

Microtonal notation:

♭ 1/4 tone lower (flat)

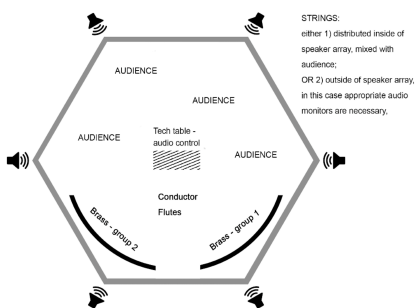
♯ 1/4 tone higher (sharp)

♯♯ 3/4 tone higher (sharp)

## HORN 3 (Cor.3 in F)

## HORNS

Notation is based on 'Extended Techniques For The Horn' by Douglas Hill, Studio 224, 1983.



◆ ◆ **half-valved sounds:** diamond-shaped noteheads indicate APPROXIMATE pitch

Change the pitch following the shape above a note, oscillating the fingers and subtly changing timbre. Treat each diamond-shaped note as an axis of pitch oscillation.

~~~~~ narrow-range pitch oscillation (1/4 - 1/6 - 1/8 tone)

~~~~~ wide-range pitch oscillation

Note: an alternate narrow range oscillation effect can be also achieved by valve tremolo (fast fingering change on a single pitch, giving an impression of a timbral change.)



"scoop-up"  
finger the open note and attack from a lower covered pitch



"scoop-down"  
attack the grace note with the fingering of the resultant stopped note

Cor.3 in F

♩ = 100

7 9

*p*

12

+ (all stopped) - - - - -

3 5

*p* *sf* *p* *f*

18

o + o

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

22 + + o 29 + (all stopped) -----

*sfpp* *f* *mf*<sup>3</sup>

35 half-valved

*p* *mp*

38

*mf*

43 53

*mf*

72

*p*

75

*p*

88 half-valved

Musical notation for measure 88, featuring a treble clef and a series of eighth notes with slurs and triplets. The dynamic marking is *p*.

92

Musical notation for measure 92, featuring a treble clef and a series of eighth notes with slurs and triplets. The dynamic marking is *mf*.

97

Musical notation for measure 97, featuring a treble clef and a series of eighth notes with slurs and triplets. The dynamic marking is *pppp*. Above the staff, there is a sequence of notes: + o + o + o - - - - - .

102

5

107

Cor.1 in F - - - - -

Musical notation for measure 107, featuring a treble clef and a series of eighth notes with slurs and triplets. The dynamic marking is *mf*. Above the staff, there is a sequence of notes: + (all stopped) + "scoop-up" + + + + + Oscillation (1/8-1/6-1/4 tone) ~~~~~ +

114

+ o + o + o - - - - -

Musical notation for measure 114, featuring a treble clef and a series of eighth notes with slurs and triplets. The dynamic marking is *pp*. Above the staff, there is a sequence of notes: + o + o + o - - - - - half-valved

123

Musical notation for measure 123, featuring a treble clef and a series of eighth notes with slurs and triplets. The dynamic marking is *mf*.

135

3

140

Cor.4 in F - - - - -

Musical notation for measure 140, featuring a treble clef and a series of eighth notes with slurs and triplets. The dynamic marking is *mf*.

147 + (all stopped) -----

*p* *ppp* *fp*

*fp* *f* *p* *mp* *fp* *mf*

169 ----- "scoop-up" + o

*fp*

Cor.1 in F

184 + (all stopped) ----- o

*p* *p* *mp*

half-valved

191 ----- + + (all stopped) -----

*fp* *fp < f* *mp*

199 -----

*mf* *p* *f*

210 Cor.1 in F -----

*fp* *ff* *fp* *ff*

213

218 15 17 254 Cor.2 in F ----- + 0 + 0 + 0

257 2 + o

264

270 5 22 297

302 310 Cor.1 in F

314 317 6 3

327 333

334

+ o + o + o

Musical notation for measure 334. It features a treble clef and a key signature of one sharp (F#). The notation includes a half note F#, a half note G, and a half note A, all beamed together. This is followed by a quarter rest, then a quarter note B, and a quarter note C. A dynamic marking *p* is placed below the first half note, and a dynamic marking *f* is placed below the quarter note B. A dynamic marking *pp* is placed below the quarter note C. A fermata is placed over the quarter note C. A measure rest for 2 measures is indicated by a bracket with the number 2 above it.

341

Oscillation  
(1/8-1/6-1/4 tone)

+ o + o + o

Musical notation for measures 341 and 350. Measure 341 starts with a treble clef and a key signature of one sharp (F#). It contains a half note F#, a half note G, and a half note A, all beamed together. A dynamic marking *pp* is placed below the first half note. A wavy line above the notes indicates oscillation. A measure rest for 5 measures is indicated by a bracket with the number 5 above it. Measure 350 starts with a bass clef and a key signature of one sharp (F#). It contains a quarter note B, a quarter note C, a quarter note D, and a quarter note E, all beamed together. A dynamic marking *pp* is placed below the first quarter note. A measure rest for 3 measures is indicated by a bracket with the number 3 above it.

350

Trombone 1

353

half-valved

Cor.1 in F

Musical notation for measures 353 and 368. Measure 353 starts with a treble clef and a key signature of one sharp (F#). It contains a quarter note F#, a quarter note G, a quarter note A, and a quarter note B, all beamed together. A dynamic marking *mp* is placed below the first quarter note. A jagged line above the notes indicates half-valving. A measure rest for 6 measures is indicated by a bracket with the number 6 above it. Measure 368 starts with a treble clef and a key signature of one sharp (F#). It contains a quarter note B, a quarter note C, a quarter note D, and a quarter note E, all beamed together. A dynamic marking *pp* is placed below the first quarter note. A measure rest for 3 measures is indicated by a bracket with the number 3 above it.

365

368

Musical notation for measures 365 and 368. Measure 365 starts with a treble clef and a key signature of one sharp (F#). It contains a quarter note F#, a quarter note G, a quarter note A, and a quarter note B, all beamed together. A dynamic marking *pp* is placed below the first quarter note. A measure rest for 3 measures is indicated by a bracket with the number 3 above it. Measure 368 starts with a treble clef and a key signature of one sharp (F#). It contains a quarter note B, a quarter note C, a quarter note D, and a quarter note E, all beamed together. A dynamic marking *pp* is placed below the first quarter note. A measure rest for 5 measures is indicated by a bracket with the number 5 above it.