
Invisible Cities (ii):
ARMILLA

for
Viola duet

Composed by
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2015

PREFACE

1

Whether Armilla is like this because it is unfinished or because it has been demolished, whether the cause is some enchantment or only a whim, I do not know. The fact remains that it has no walls, no ceilings, no floors: it has nothing that makes it seem a city except the water pipes that rise vertically where the houses should be and spread out horizontally where the floors should be: a forest of pipes that end in taps, shouwers, spouts, overflows. Against the sky a lavabo’s white stands out, or a bathtub, or some other porcelain, like late fruit still hanging from the boughs. You would think that the plumbers had finished their job and gone away before the bricklayers arrived; or else their hydraulic systems, indestructable, had survived a catastrophe, an earthquake, or the corrosion of termites.

Abandoned before or after it was inhabited, Armilla cannot be called deserted. At any hour, raising your eyes among the pipes, you are likely to glimpse a young woman, or many young women, slender, not tall of stature, luxuriating in the bathtubs or arching their backs under the showers suspended in the void, washing or drying or perfuming themselves, or combing their long hair at a mirror. In the sun, the threads of water fanning from the showers glisten, the jets of the taps, the spurts, the splases, the sponges’ suds.

I have come to this explanation: the streams of water channeled in the pipes of Armilla have remained in th posession of nymphs and naiads. Accustomed to traveling along underground veins, they found it easy to enter the new aquatic realm, to burst from multiple fountains, to find new mirrors, new games, new ways of enjoying the water. Their invasion may have driven out the human beings, or Armilla may have been built by humans as a votive offering to win the favor of the nymphs, offended at the misuse of the waters. In any case, now they seem content, these maidens: in the morning you hear them singing.

- Italo Calvino, *Invisible Cities*

2

The dunes ran inland, low and grassy, for half a mile or so, and then there were lagoons, thick with sedge and saltreeds, and beyond those, low hills lay yellow-brown and empty out of sight. Beautiful and desolate was Selidor. Nowhere on it was there any mark of man, his work or habitation. There were no beasts to be seen, and the reed-filled lakes bore no flocks of gulls or wild geese or any bird.

- Ursula Le Guin, *The Farthest Shore*

3 Bow contact points

The current position along the bow as it contacts the strings is indicated with fractions, where 0/1 indicates the frog, and 1/1 indicates the tip of the bow. Continuous bowing is shown by lines connecting bow contact fractions.

4 Dynamics

Dynamics are always in terms of effort, not effect. When bowing very quickly and with strong dynanic, the effect should be a traditional *forte*. Likewise, when bowing slowly and with a light dynamic, the effect should be a traditional *piano*. Slow bowing with strong dynamic should result in various colors of scratch, while fast bowing with light pressure should give various qualities of flautando (depending of course on where on the string the bow is contacting).

5 String contact points

D.P. Dietro ponticello: behind the bridge.

M.S.P. Molto sul ponticello

S.P. Sul ponticello

Ord. Ordinario

S.T. Sul tasto

M.S.T. Molto sul tasto

When bowing behind the bridge, the fingering staff switches to percussion clef. The behind-the-bridge string to bow on are given by the four spaces of the five-line-staff, with string *IV* being the lowest space and *I* the highest.

6 Other techniques

Across-the-string tremoli
Indicated by traditional tremolo hashes on the bow tablature’s rhythm staff

Along-the-string tremoli
Indicated by zigzag bow tablature glissandi.

Thrown bow
Indicated by dashed bow tablature glissandi

Pizzicati
Indicated with a cross notehead in the tablature staff.

Accents
Accents in the bow tablature staff indicate a sudden staccato increase in bow pressure.

Tremoli, both across- and along-the-string, should be very tight. When the two techniques appear simultaneously, the resulting motion is tightly circular bowing.

Invisible Cities (i):

ARMILLA

(a botanical survey of the uninhabited southern isles)

for Elizabeth Weisser and John Pickford Richards

Josiah Wolf Oberholtzer (1984)

$\text{♩} = 36$

$\frac{2}{4}$ A Far Sorr

$\frac{5}{8}$

$\frac{6}{8}$

Violin 1

Violin 2

ORD. -----> S.T. -----> M.S.T.

D.P.

5

$\frac{2}{4}$

$\frac{5}{8}$

$\frac{3}{8}$

$\frac{2}{4}$

Va. 1

Va. 2

ORD. -----> S.T.

(M.S.T.)

10

$\frac{5}{8}$

$\frac{3}{8}$

$\frac{2}{4}$

$\frac{5}{8}$

Va. 1

Va. 2

S.T. -----> M.S.T. -----> S.T.

M.S.T. -----> S.T.

14

18

22

2

27

3/8 2/4 3/8 2/4 C Wellogy

ORD. (V) (ORD.) -----> M.S.P (M.S.P) ORD. V 4/5 3/5 4/5 7 4/5 0 1 1 4/5 4/5 3:2 4/5 3/5 3:2

Va. 1

ppp p ppp ppp p mf

ORD. (ORD.) -----> M.S.P (ORD.) -----> ORD. S.P. -----> M.S.P

Va. 2

ppp p ppp < p ppp mp

The image displays a musical score for two violas, Va. 1 and Va. 2, across three measures. The score includes various musical notations such as dynamics, articulation, and performance instructions.

Measure 1:

- Va. 1:** Starts with a double bar line and a fermata. The first staff has a dynamic marking of *mp*. The second staff has a dynamic marking of *mf*. The measure is marked with a fermata.
- Va. 2:** Starts with a double bar line and a fermata. The first staff has a dynamic marking of *mf*. The second staff has a dynamic marking of *mp*. The measure is marked with a fermata.

Measure 2:

- Va. 1:** The first staff has a dynamic marking of *mp*. The second staff has a dynamic marking of *mf*. The measure is marked with a fermata.
- Va. 2:** The first staff has a dynamic marking of *mf*. The second staff has a dynamic marking of *mp*. The measure is marked with a fermata.

Measure 3:

- Va. 1:** The first staff has a dynamic marking of *mp*. The second staff has a dynamic marking of *mf*. The measure is marked with a fermata.
- Va. 2:** The first staff has a dynamic marking of *mf*. The second staff has a dynamic marking of *mp*. The measure is marked with a fermata.

The score includes various musical notations such as dynamics, articulation, and performance instructions. The dynamics range from *mp* (mezzo-piano) to *mf* (mezzo-forte). The articulation includes fermatas and slurs. The performance instructions include "S.T." (Soprano Tenor) and "M.S.P." (Mezzo-Soprano/Piano).

The musical score for Violins 1 and 2, measures 1-3, is as follows:

Measure 1 (6/8): Both Violins 1 and 2 play a half note G4 (1/1) with a 4:5 ratio. The dynamic is *p*. The bottom staff (cello/bass) has a half note F#3 (b2).

Measure 2 (2/4): Both Violins 1 and 2 play a half note A4 (2/1) with a 4:5 ratio. The dynamic is *ppp*. The bottom staff (cello/bass) has a half note G#3 (b2).

Measure 3 (3/8): Both Violins 1 and 2 play a half note B4 (3/1) with a 4:5 ratio. The dynamic is *mf*. The bottom staff (cello/bass) has a half note A#3 (b2).

The score includes performance instructions: *ORD.* (Ordinary), *S.T.* (Sustained), and *M.S.P.* (Musical Score Page).

41

$\text{♩} = 36$

8 **3** **5** **D** The Long Dune (i)

M.S.T. S.T. (S.T.) M.S.P

Va. 1

Va. 2

M.S.T. S.P. S.T. D.P.

Measure 41: Va. 1 (M.S.T.) $\frac{2}{5}$ to $\frac{1}{1}$ (fingering 1-1), $\frac{3}{5}$ to $\frac{4}{5}$ (fingering 3-4), $\frac{1}{1}$ to $\frac{2}{5}$ (fingering 1-2), $\frac{4}{5}$ to $\frac{3}{5}$ (fingering 4-3). Va. 2 (M.S.T.) $\frac{4}{5}$ to $\frac{1}{1}$ (fingering 4-1), $\frac{3}{5}$ to $\frac{4}{5}$ (fingering 3-4), $\frac{1}{1}$ to $\frac{4}{5}$ (fingering 1-4), $\frac{7}{8}$ to $\frac{1}{1}$ (fingering 7-1). Measure 42: Va. 1 (S.T.) $\frac{1}{1}$ to $\frac{2}{5}$ (fingering 1-2), $\frac{4}{5}$ to $\frac{3}{5}$ (fingering 4-3). Va. 2 (S.P.) $\frac{3}{5}$ to $\frac{4}{5}$ (fingering 3-4), $\frac{1}{1}$ to $\frac{4}{5}$ (fingering 1-4), $\frac{7}{8}$ to $\frac{1}{1}$ (fingering 7-1). Measure 43: Va. 1 (M.S.P.) $\frac{4}{5}$ to $\frac{3}{5}$ (fingering 4-3), $\frac{3}{5}$ to $\frac{4}{5}$ (fingering 3-4). Va. 2 (S.T.) $\frac{1}{1}$ to $\frac{4}{5}$ (fingering 1-4), $\frac{7}{8}$ to $\frac{1}{1}$ (fingering 7-1). Measure 44: Va. 1 (D.P.) $\frac{7}{8}$ to $\frac{1}{1}$ (fingering 7-1), $\frac{4}{5}$ to $\frac{3}{5}$ (fingering 4-3). Va. 2 (D.P.) $\frac{7}{8}$ to $\frac{1}{1}$ (fingering 7-1), $\frac{4}{5}$ to $\frac{3}{5}$ (fingering 4-3).

45

3 **5**

D.P.

Va. 1

Va. 2

D.P.

Measure 45: Va. 1 (D.P.) $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1), $\frac{1}{4}$ to $\frac{3}{8}$ (fingering 1-3), $\frac{1}{2}$ to $\frac{5}{8}$ (fingering 1-5), $\frac{3}{4}$ to $\frac{7}{8}$ (fingering 3-7), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1). Va. 2 (D.P.) $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1), $\frac{1}{4}$ to $\frac{3}{8}$ (fingering 1-3), $\frac{1}{2}$ to $\frac{5}{8}$ (fingering 1-5), $\frac{3}{4}$ to $\frac{7}{8}$ (fingering 3-7), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1). Measure 46: Va. 1 (D.P.) $\frac{1}{4}$ to $\frac{3}{8}$ (fingering 1-3), $\frac{1}{2}$ to $\frac{5}{8}$ (fingering 1-5), $\frac{3}{4}$ to $\frac{7}{8}$ (fingering 3-7), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1). Va. 2 (D.P.) $\frac{1}{4}$ to $\frac{3}{8}$ (fingering 1-3), $\frac{1}{2}$ to $\frac{5}{8}$ (fingering 1-5), $\frac{3}{4}$ to $\frac{7}{8}$ (fingering 3-7), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1). Measure 47: Va. 1 (D.P.) $\frac{1}{2}$ to $\frac{5}{8}$ (fingering 1-5), $\frac{3}{4}$ to $\frac{7}{8}$ (fingering 3-7), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1). Va. 2 (D.P.) $\frac{1}{2}$ to $\frac{5}{8}$ (fingering 1-5), $\frac{3}{4}$ to $\frac{7}{8}$ (fingering 3-7), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1). Measure 48: Va. 1 (D.P.) $\frac{1}{1}$ to $\frac{0}{1}$ (fingering 1-0), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1). Va. 2 (D.P.) $\frac{1}{1}$ to $\frac{0}{1}$ (fingering 1-0), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1).

49

5 **2** **5**

(D.P.)

Va. 1

Va. 2

(D.P.)

Measure 49: Va. 1 (D.P.) $\frac{1}{8}$ to $\frac{0}{1}$ (fingering 1-0), $\frac{1}{8}$ to $\frac{0}{1}$ (fingering 1-0). Va. 2 (D.P.) $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1), $\frac{1}{4}$ to $\frac{3}{8}$ (fingering 1-3), $\frac{1}{2}$ to $\frac{5}{8}$ (fingering 1-5), $\frac{3}{4}$ to $\frac{7}{8}$ (fingering 3-7), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1). Measure 50: Va. 1 (D.P.) $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1), $\frac{1}{4}$ to $\frac{3}{8}$ (fingering 1-3), $\frac{1}{2}$ to $\frac{5}{8}$ (fingering 1-5), $\frac{3}{4}$ to $\frac{7}{8}$ (fingering 3-7), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1). Va. 2 (D.P.) $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1), $\frac{1}{4}$ to $\frac{3}{8}$ (fingering 1-3), $\frac{1}{2}$ to $\frac{5}{8}$ (fingering 1-5), $\frac{3}{4}$ to $\frac{7}{8}$ (fingering 3-7), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1). Measure 51: Va. 1 (D.P.) $\frac{1}{8}$ to $\frac{0}{1}$ (fingering 1-0), $\frac{1}{8}$ to $\frac{0}{1}$ (fingering 1-0). Va. 2 (D.P.) $\frac{1}{8}$ to $\frac{0}{1}$ (fingering 1-0), $\frac{1}{8}$ to $\frac{0}{1}$ (fingering 1-0). Measure 52: Va. 1 (D.P.) $\frac{1}{4}$ to $\frac{3}{8}$ (fingering 1-3), $\frac{1}{2}$ to $\frac{5}{8}$ (fingering 1-5), $\frac{3}{4}$ to $\frac{7}{8}$ (fingering 3-7), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1). Va. 2 (D.P.) $\frac{1}{4}$ to $\frac{3}{8}$ (fingering 1-3), $\frac{1}{2}$ to $\frac{5}{8}$ (fingering 1-5), $\frac{3}{4}$ to $\frac{7}{8}$ (fingering 3-7), $\frac{0}{1}$ to $\frac{1}{8}$ (fingering 0-1).

66

2/4 5/8 6/8 (D.P.)

Va. 1

Va. 2

ORD. S.T. ORD.

f *p* *ff* *p* *p* *ff*

mf *p* *ppp* *p* *ff* *f*

70

3/4 3/8 2/4 5/8

Va. 1

Va. 2

ORD. S.T. M.S.T.

f *p* *f* *mf* *ff* *p* *fff*

p *f* *mf* *ff* *p* *fff* *f*

♩ = 72

74

3/8 E Selidor (ii) 3/8 5/8

Va. 1

Va. 2

ORD. (ORD.) S.P. (V) ORD. (V) (ORD.) M.S.P (M.S.P)

p *ppp* *p* *ppp* *p* *ppp* *ppp*

ppp *p* *ppp* *p* *ppp* *p*

6:5 4:5 3:2 4:5 6:5 4:5

79

3/4 3/8 2/4 5/8

ORD. S.P. ORD. (ORD.) M.S.P. ORD.

Va. 1

Va. 2

$\text{♩} = 108$

83

F The Isle of the Ear

6/8 3/8 5/8 3/8

ORD. M.S.P. ORD. S.T. M.S.P. S.T.

Va. 1

Va. 2

88

6/8 2/4 5/8

ORD. M.S.T. ORD.

Va. 1

Va. 2

92

5/8 5/8 6/8

S.T. M.S.T. S.T. S.P.

Va. 1

Va. 2

2
4

3
8

6
8

5
8

G Selidor (iii)

Score for Va. 1 and Va. 2, measures 96-100. The score includes dynamic markings (*mf*, *mp*, *p*) and performance instructions (ORD., S.P., S.T.).

Va. 1:

- Measure 96: *M.S.P.* V $\frac{4}{5}$ - $\frac{3}{5}$ *mf*
- Measure 97: *S.P.* $\frac{3}{5}$ - $\frac{4}{5}$ *mp*
- Measure 98: *ORD.* V $\frac{4}{5}$ - $\frac{3}{5}$ - $\frac{4}{5}$ - $\frac{3}{5}$ *mf*
- Measure 99: *ORD.* V $\frac{0}{1}$ - $\frac{1}{1}$ *p*

Va. 2:

- Measure 96: V $\frac{4}{5}$ - $\frac{3}{5}$
- Measure 97: *ORD.* V $\frac{4}{5}$ - $\frac{3}{5}$ - $\frac{4}{5}$ *mf*
- Measure 98: *S.T.* $\frac{3}{5}$ - $\frac{4}{5}$ *mp*
- Measure 99: *S.P.* V $\frac{4}{5}$ - $\frac{3}{5}$ *p*

3
8

3
4

Score for Va. 1 and Va. 2, measures 101-104. The score includes dynamic markings (*ppp*, *p*) and performance instructions (ORD., S.P., M.S.P.).

Va. 1:

- Measure 101: *(ORD.)* S.P. (V) $\frac{4}{5}$ - $\frac{3}{5}$ - $\frac{4}{5}$ *ppp* < *p*
- Measure 102: *(ORD.)* (V) $\frac{4}{5}$ *ppp*
- Measure 103: *(ORD.)* V $\frac{4}{5}$ - $\frac{3}{5}$ *p*
- Measure 104: *(M.S.P.)* V $\frac{4}{5}$ - $\frac{3}{5}$ *ppp*

Va. 2:

- Measure 101: *ORD.* (V) $\frac{3}{5}$ - $\frac{4}{5}$ *ppp* < *p*
- Measure 102: *(ORD.)* V $\frac{0}{1}$ - $\frac{1}{1}$ *ppp* < *p*
- Measure 103: *ORD.* (V) $\frac{4}{5}$ - $\frac{3}{5}$ *ppp* < *p*
- Measure 104: *ORD.* V $\frac{3}{5}$ - $\frac{4}{5}$ *ppp*

6
8

5
8

Score for Va. 1 and Va. 2, measures 105-108. The score includes dynamic markings (*p*, *ppp*) and performance instructions (ORD., S.P., M.S.P.).

Va. 1:

- Measure 105: *(ORD.)* (V) $\frac{4}{5}$ - $\frac{3}{5}$ *p* > *ppp*
- Measure 106: *(ORD.)* (V) $\frac{4}{5}$ - $\frac{3}{5}$ *p*
- Measure 107: *(ORD.)* V $\frac{4}{5}$ - $\frac{3}{5}$ *ppp* < *p*

Va. 2:

- Measure 105: *S.P.* (V) $\frac{3}{5}$ - $\frac{4}{5}$ *p*
- Measure 106: *(ORD.)* V $\frac{0}{1}$ - $\frac{1}{1}$ *ppp* < *p*
- Measure 107: *(ORD.)* (V) $\frac{4}{5}$ - $\frac{3}{5}$ *ppp*

The image shows a musical score for two violas, labeled Va. 1 and Va. 2. The score is written in 3/4, 3/8, and 2/4 time signatures. It includes various musical notations such as notes, rests, and dynamic markings (ppp, p). The score is divided into sections by vertical lines, with some sections labeled 'ORD.' and others 'M.S.P.' or 'S.P.'. There is a large 'X' mark in the middle of the score. The score is written in a complex, multi-measure format with many notes and rests. The tempo markings are M.S.P., ORD., and S.P. The dynamic markings are ppp and p. The score is written in a complex, multi-measure format with many notes and rests. The tempo markings are M.S.P., ORD., and S.P. The dynamic markings are ppp and p. The score is written in a complex, multi-measure format with many notes and rests. The tempo markings are M.S.P., ORD., and S.P. The dynamic markings are ppp and p.

[illegible]

121

3/8 5/8 3/8 2/4

ORD. -----> S.T.

Va. 1

Va. 2

M.S.T. S.T. ORD. ----->

fff > f mf > p ppp f p

4:5

126

3/8 2/4 3/8 3/8

M.S.T. S.T. -----> M.S.T.

Va. 1

Va. 2

ff p mf ppp p ppp <

6:5 3:2

D.P.

130

2/4

M.S.T.

Va. 1

Va. 2

Pizz. (Pizz.) (Pizz.)

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Scores available from the composer at
www.josiahwolfoberholtzer.com

€25 / \$35