



Panayiotis KOKORAS

Connotations
for string orchestra and fixed electronics

2015



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for string orchestra and fixed electronics

Duration. 8' 50 minutes

Denton, Texas
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Holophonic Pandemonium

Connotations

♩ = 96

Panayiotis Kokoras

1. Violin I

2. Violin I

3. Violin I

4. Violin I

1. Violin II

2. Violin II

3. Violin II

4. Violin II

1. Viola

2. Viola

3. Viola

1. Cello

2. Cello

Double Bass

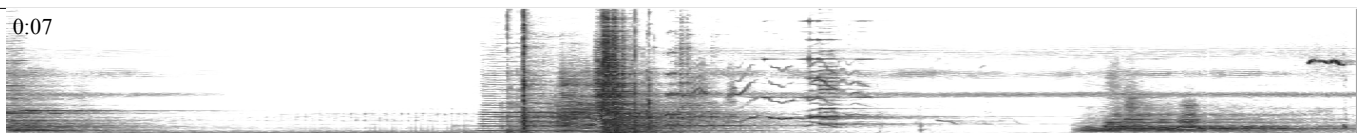
Electronics

Click Track and Tape start 3 beats earlier

screaming trem. xSP touch with two LH fingers ~2cm from the bridge

NOTE: As you bow move the bow freely within the area from bridge to the LF fingers. This way you will get a fluctuation of the harmonics. As you go to softer dynamics minimize this effect.

Elec.



[illegible]

0:19

Elec.

13

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

lazer gliss.

II

III

IV

0:27

Elec.

17 *lazer gliss.*

1. Vln. I *reversed sound* *sudden stop at the frog*

2. Vln. I *reversed sound* *sudden stop at the frog*

3. Vln. I *reversed sound* *sudden stop at the frog*

4. Vln. I *reversed sound* *sudden stop at the frog*

1. Vln. II *reversed sound* *sudden stop at the frog*

2. Vln. II *reversed sound* *sudden stop at the frog*

3. Vln. II *reversed sound* *sudden stop at the frog*

4. Vln. II *reversed sound* *sudden stop at the frog*

1. Vla. *lazer gliss.* *reversed sound* *sudden stop at the frog*

2. Vla. *lazer gliss.* *reversed sound* *sudden stop at the frog*

3. Vla. *lazer gliss.* *reversed sound* *sudden stop at the frog*

1. Vc. *lazer gliss.* *reversed sound* *sudden stop at the frog*

2. Vc. *lazer gliss.* *reversed sound* *sudden stop at the frog*

D.B. *lazer gliss.* *reversed sound* *sudden stop at the frog*

II IV p *fff* III p *fff* I p *fff*

0:36

Elec.



21

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

sudden stop at the frog

reversed sound

IV

p

fff

reversed sound

I

p

fff

unmeasured trem.

II

III

IV

0:45

Elec.

25

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

0:52

Elec.

[illegible]

01:01

Elec.

33

screaming bow

the down-bow accent indicates where to have the accent. In between you may have as many as necessary up and down bows but not accents.

screaming trem.

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

01:12

Elec.

01:22

Elec.

01:32

01:32

01:42

49

1. Vln. I

fmf

fmp

sharp short accent

2. Vln. I

fmp

sharp short accent

3. Vln. I

fmf

4. Vln. I

fmf

sharp short accent

1. Vln. II

f

fmf

sharp short accent

2. Vln. II

fmf

sharp short accent

3. Vln. II

fmf

sharp short accent

4. Vln. II

fmf

sharp short accent

1. Vla.

fmf

sharp short accent

2. Vla.

fmf

sharp short accent

3. Vla.

fmf

sharp short accent

1. Vc.

fmf

sharp short accent

2. Vc.

fmf

sharp short accent

D.B.

fmf

sharp short accent

13

01:52

Elec.

01:53



ricochet
unmeasured trem.

57

1. Vln. I *p*

2. Vln. I *fp* sharp short accent

3. Vln. I *fp* sharp short accent

4. Vln. I *fp* sharp short accent

1. Vln. II

2. Vln. II *fp* sharp short accent

3. Vln. II *fp* sharp short accent

4. Vln. II *fp* sharp short accent

1. Vla. *p* *ricochet*
unmeasured trem.

2. Vla. *fp* sharp short accent

3. Vla. *fp* sharp short accent

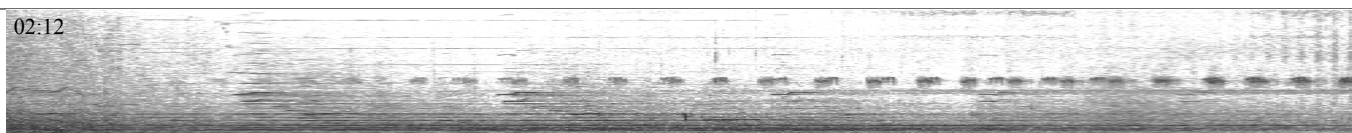
1. Vc. *fp* sharp short accent

2. Vc. *fp* sharp short accent

D.B. *fp* sharp short accent

02:12

Elec.



Elec.

02:22

65

1. Vln. I *decrescendo poco a poco* *pp*

2. Vln. I *fp* *decrescendo poco a poco*

3. Vln. I *fp* *decrescendo poco a poco* *pp*

4. Vln. I *pp*

1. Vln. II *decrescendo poco a poco* *pp*

2. Vln. II *fp* *decrescendo poco a poco*

3. Vln. II *fp* *decrescendo poco a poco* *pp* *gliss.*

4. Vln. II *decrescendo poco a poco* *pp* *III*

1. Vla. *decrescendo poco a poco* *pp* *ricochet* *II*

2. Vla. *unmeasured trem.* *gliss.* *II* *pp*

3. Vla. *fp* *decrescendo poco a poco*

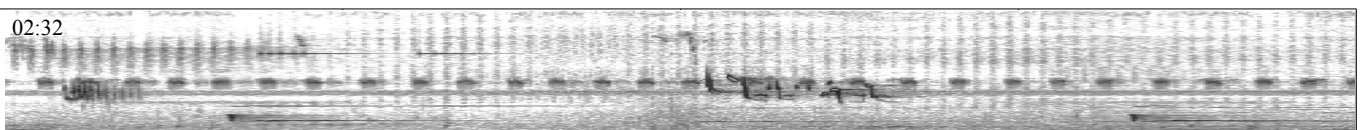
1. Vc. *decrescendo poco a poco* *pp*

2. Vc. *pp*

D.B. *fp* *decrescendo poco a poco* *pp*

02:32

Elec.



02:42

[illegible]

02:52

Elec.

77

1. Vln. I *fppp* *fppp* *fppp*

2. Vln. I *fppp* *fppp*

3. Vln. I

4. Vln. I *fppp* *f*

1. Vln. II *f*

2. Vln. II *f* *f*

3. Vln. II

4. Vln. II *f* *f*

1. Vla.

2. Vla. II

3. Vla.

1. Vc. *f* *ppp* *f ppp*

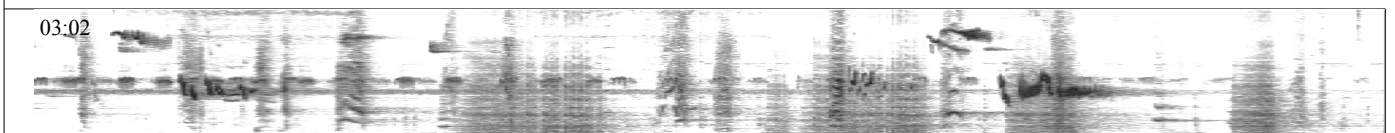
2. Vc. *chirp bowing* *mf*

D.B.

hammered, short & fast down-bow at SulPont from the middle of the bow

03:02

Elec.



[illegible]

Elec.

[illegible]

Polyphonic Uproar

24

93

1. Vln. I

sf

fp

screaming trem.

2. Vln. I

sf

fp

screaming trem.

3. Vln. I

sf

fp

screaming trem.

4. Vln. I

sf

fp

screaming trem.

1. Vln. II

sf

f

chirp bowing

hammered, short & fast down-bow at xSulPon from the middle of the bow

2. Vln. II

sf

f

chirp bowing

3. Vln. II

sf

f

chirp bowing

4. Vln. II

sf

f

chirp bowing

1. Vla.

2. Vla.

3. Vla.

1. Vc.

sf

f

pppp

below the bridge

2. Vc.

sf

pppp

below the bridge

D.B.

f

pppp

pizz. bartok

03:43

Elec.

04:02

Elec.

Elec.

04:22

113

mute the string with two or more LH fingers, down-bow only very close to the bridge and upbow instantly, the accent bow has random partials the rest has mostly noise. imitates the sound profile of a train riding on a railroad joints

chooga pulse

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

press flat the bow hair and move "x" like imitate footstep sound on a creaky floor

footstep bow

p

chooga pulse

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

f

04:32

Elec.

117

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

Elec.

04:42

touch the string with two or more LH fingers
gliss up and down, bow lightly very close to
the bridge. Imitates the sound of the wind.

xSP

wind bowing

III

waaank bowing
xST

III

p

waaank bowing
xST

III

p

waaank bowing
xST

IV

p

f

chooga pulse

121

touch the string with two or more LH fingers
gliss up and down, bow lightly very close to
the bridge. Imitates the sound of the wind.

xSP

wind bowing

III

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

mute the strings with your LH and bow very close to the bridge
the accent bow has random partials the rest has mostly noise,
imitates the sound profile of a train riding on a railroad joints

chooga pulse

IV

f

p

waaank bowing

III

p

waaank bowing

III

p

waaank bowing

IV

p

xST

f

04:52

Elec.

125

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

chooga pulse

IV

f

chooga pulse

f

xST waaank bowing

III

p

xST waaank bowing

III

p

xST waaank bowing

IV

p

xST chooga pulse

f

Ord.

sim.

05:02

Elec.

[illegible]

Elec.

slightly slow bow very close to the bridge with some extra pressure. imitates the sound of train break squeals

Voice *ssh* *train break bowing*

05:32

Elec.

05:42

05:42

145

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

05:52

Elec.

pp

xSP *wind bowing*

pp

waaank bowing *p*

waaank bowing *p*

waaank bowing *p*

below the bridge *bow the string between the bridge and the tailpiece*

mp

LH tap *Open string trem* *LH tap the string but don't press it down to the fingerboard* *xSP* *LH tap* *chooga pulse* *sim.*

149

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

Elec.

below the bridge

bow the strings between the bridge and the tailpiece

wind bowing

III

IV

wind bowing

IV

xSP

I

xSP

I

xSP

I

Ord.

LH slap

> LH tap

chooga pulse

ST

06:02

153

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

chooga pulse
sim.

Ord.

IV

wind bowing

tremolo between open G string
and D (touch as harmonic)

p

06:12

Elec.

157 *wind bowing*

1. Vln. I

IV

2. Vln. I

wind bowing

IV

3. Vln. I

wind bowing

IV

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

pp

1. Vla.

2. Vla.

3. Vla.

1. Vc.

wind bowing

III

2. Vc.

xSP

D.B.

tremolo between open E string and diamond noteheads (touch as harmonic). bow ad lib

Open string trem

touch the string with two or more LH fingers gliss up and down, bow lightly very close to the bridge. Imitates the sound of the wind.

>

Monophonic Lament

161

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

06:32

Elec.

165

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

06:42

Elec.

press down (to normal) the string and hold as long as it is indicated. The sound should get more pitch.

touch like harmonic and bow softly at xSP a noise sound should be produced

xSP

III

pp

tremolo between open G string and B (touch as harmonic)

wind bowing

ST

LH tap

xSP

LH tap

arco

sim.

>

Elec.

[illegible]

press down (to normal) the string and hold as long as it is indicated. The sound should get more pitch.	
---	--

Elec.

181

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

Elec.

pp

pp

Ord.

SP

xSP

hold down the note normally

07:22

The musical score is written for a string quartet (Violins I, Violins II, Violas, and Cellos/Double Basses) and includes an electronic track. The score is divided into four measures. The first measure starts with a forte (f) dynamic and a tempo marking of 181. The second measure features a crescendo leading to a fortissimo (ff) dynamic. The third measure features a decrescendo leading to a pianissimo (pp) dynamic. The fourth measure features a crescendo leading to a fortissimo (ff) dynamic. The score includes various performance instructions such as 'Ord.' (Ordinary), 'SP' (Soft), 'xSP' (Extra Soft), and 'hold down the note normally'. The electronic track is labeled 'Elec.' and shows a waveform that corresponds to the dynamic changes in the string quartet.

Elec.

189

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

hold down the note normally

pp

pp

gliss.

Ord.

hold down the note normally

07:42

Elec.

189

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

hold down the note normally

pp

pp

gliss.

Ord.

hold down the note normally

07:42

Elec.

193

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

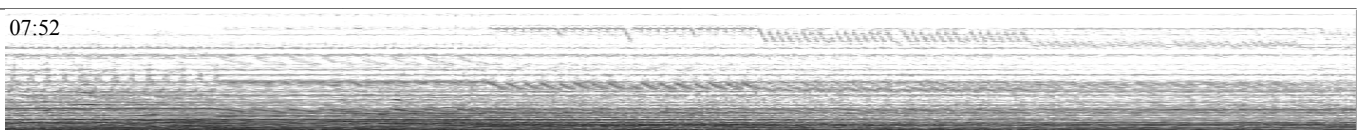
D.B.

mp

gliss.

07:52

Elec.



[illegible]

Elec.

Elec.

[illegible]

2/3

1. Vln. I

2. Vln. I

3. Vln. I

4. Vln. I

1. Vln. II

2. Vln. II

3. Vln. II

4. Vln. II

1. Vla.

2. Vla.

3. Vla.

1. Vc.

2. Vc.

D.B.

08:42

Elec.

