

for Amanda

for Clarinet and Electronics

Wilyyn Whiting
2021

Dedicated to Amanda Forest

This is a Transposing Score for Bb Clarinet

Duration Approx 3'00" – 3'30"

Program Note

for Amanda (2021) was written for Amanda Forest on her 29th birthday. The electronic part is a resynthesized excerpt of her own playing. The piece is organized in a long descent, from a point of tension towards a point of resolution.

Performance Note

The fixed electronics are to be realized in stereo by one of the following means.

- Played from Cabbage using the CSound code.
- Played from Supercollider using the SuperCollider code.
- Played from a pre-recorded track produced by either.

Improvisation can be in long sustained tones, fast alternations of notes, short outbursts of notes etc... so long as the pitches available to the improviser are limited according to the score.

The tempered pitches of the clarinet should clash with the microtonal notes in the accompaniment, creating a sense of beating.

//Csound Code//

```
1 | //for Amanda
2 | //for Clarinet and Electronics
3 | //Wilyln Whiting
4 |
5 | <Cabbage>
6 | form caption("forAF") size(100, 100), colour(240, 154, 106)
7 | </Cabbage>
8 | <CsoundSynthesizer>
9 | <CsOptions>
10 | -n -d -+rtmidi=NULL -M0 -m0d --midi-key=4 --midi-velocity-amp=5
11 | </CsOptions>
12 | <CsInstruments>
13 | sr = 44100
14 | ksmps = 32
15 | nchnls = 2
16 | 0dbfs = 1
17 |
18 | gaOut init 0
19 |
20 | instr 1
21 | idura = rnd(5)
22 | print idura
23 | idurb = rnd(5)
24 | print idurb
25 | kamp = rnd(0.6)
26 | kenv madsr 5+idura, 0, 0, 10+idurb
27 | kpan = rnd(1)
28 |
29 | aOut oscil (kamp+0.01),p4,p3
30 | outs aOut*kenv*kpan, aOut*kenv*(1-kpan)
31 | gaOut = gaOut+(aOut*0.01)
32 | endin
33 |
34 | instr 2
35 | aOut2 reverb2 gaOut, 0.01, 0.01
36 | outs aOut2*0.01, aOut2*0.01
37 | endin
38 |
39 | instr 3
40 | clear gaOut
41 | endin
42 | </CsInstruments>
43 | <CsScore>
44 | f0 z
45 | f1 0 1 6384 10 1
46 | i2 0 9999999
47 | i3 0 9999999
48 | i1 0 1 682
49 | i1 13 1 575
50 | i1 21 1 490
51 | i1 26 1 491
```

52|i| 29 | 468
53|i| 31 | 454
54|i| 38 | 402
55|i| 50 | 390
56|i| 56 | 358
57|i| 60 | 359
58|i| 61 | 325
59|i| 74 | 326
60|i| 82 | 292
61|i| 87 | 262
62|i| 90 | 291
63|i| 92 | 261
64|i| 99 | 210
65|i| 111 | 170
66|i| 117 | 290
67|i| 121 | 155
68|i| 122 | 110
69|i| 134 | 286
70|i| 142 | 120
71|i| 147 | 119
72|i| 150 | 111
73|i| 152 | 112
74|i| 159 | 113
75|i| 171 | 45
76|i| 177 | 36
77|i| 181 | 29
78|</CsScore>
79|</CsoundSynthesizer>
80|
81|//Dur 3'18" - 3'28"
82|//Mar2021

//SuperCollider Code//


```
1 | //for Amanda
2 | //for Clarinet and Electronics
3 | //Wilyln Whiting
4 |
5 | s.boot;//<-----Shft+Rtrn to start Audio Server
6 |
7 | (
8 | SynthDef.new(\sine, {
9 |   arg freq = 440, atk = 0.005, rel = 0.3, amp=0.125, pan=0, out;
10|   var sig, env;
11|   sig = SinOsc.ar(freq);
12|   env = EnvGen.kr(Env.new([0,1.0], [atk,rel], [1,-1]), doneAction:2);
13|   sig = Pan2.ar(sig, pan, amp);
14|   sig = (sig * env);
15|   Out.ar(out,sig);
16|}).add;
17|
18| SynthDef.new(\reverb, {
19|   arg in, out=0;
20|   var sig;
21|   sig = In.ar(in, 2);
22|   sig = FreeVerb.ar(sig, 0.6, 0.9, 0.2);
23|   Out.ar(out, sig);
24|}).add;
25|)//<-----Cmd+Rtrn to register
26| Synth.new(\sine, [\out, 0]);//<-----
27| Synth.new(\reverb, [\in, ~reverbBus2]);//<-----
28| //Shft+Rtrn on both to test Reverb
29|
30| (
31| p = Pbind(
32|   \type, \note,
33|   \instrument, \sine,
34|   \dur, Pseq([13, 8, 5, 3, 2, 7, 12, 6, 4, 1], 3).trace,
35|   \freq, Pseq([682, 575, 490, 491, 468, 454, 402, 390, 358, 359, 325, 326, 292, 262, 291, 261,
36|     210, 170, 290, 155, 110, 286, 120, 119, 111, 112, 113, 45, 36, 29],1).trace,
37|   \atk, Pwhite(5, 10, inf),
38|   \rel, Pwhite(10, 15, inf),
39|   \amp, Pexprand(0.1, 0.6, inf),
40|   \pan, Pwhite(-0.8, 0.8, inf),
41| ).play;
42|)//<-----Cmd+Rtrn to Start
43| //Dur 3'18" - 3'28"
44| //Mar2021
```

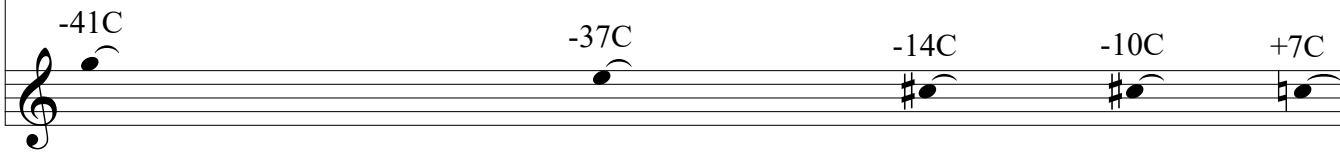
for Amanda

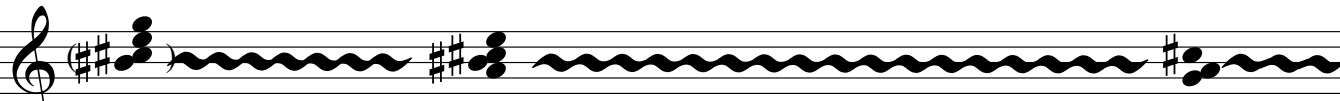
Wilynn Whiting

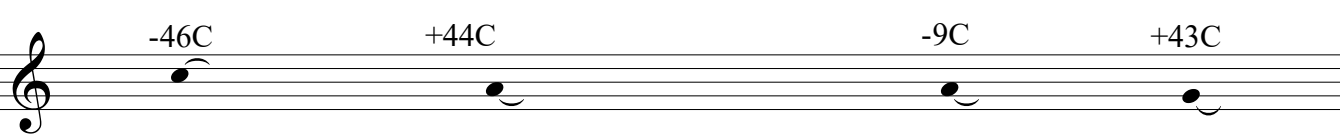
30" per measure


improvise freely, but only with the notes provided

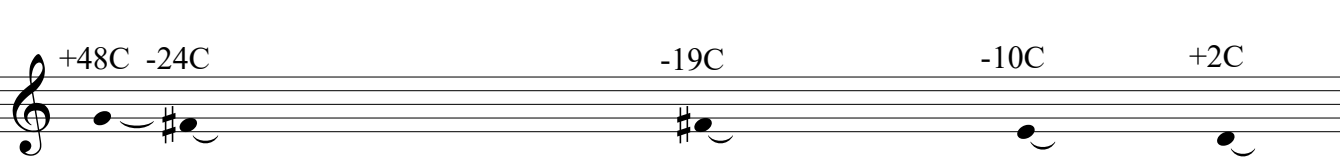
Cl.  *ppp* *mp* *ppp*


Elec.  -41C -37C -14C -10C +7C

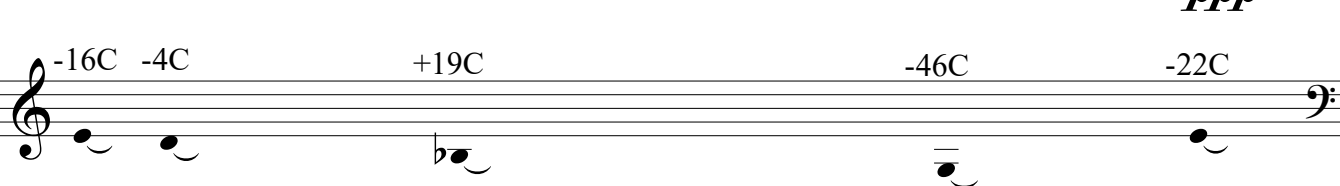
 *ppp*

Elec.  -46C +44C -9C +43C

 *mp* *ppp*

Elec.  +48C -24C -19C -10C +2C

 *ppp*

Elec.  -16C -4C +19C -46C -22C

Musical notation for the first system. The treble clef staff contains a wavy line representing a sustained sound. The bass clef staff contains notes with dynamic markings: *mp* and *ppp*. Chordal annotations include -6C 0C, -46C, -49C, and +36C.

Musical notation for the second system. The treble clef staff contains a wavy line. The bass clef staff contains notes with dynamic markings: *niente*. Chordal annotations include +16C, +31C, +47C, -47C, and -34C.

Musical notation for the third system, consisting of a single bass clef staff with a note and a dynamic marking: -8C.