RONALD BRUCE SMITH

Constellation

for orchestra and live electronics

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**General Performance Instructions:**

**Pitch Notation**

\( \text{\#} \) raise sharp \( \frac{1}{4} \) tone; \( \text{\textbackslash{}#} \) lower sharp \( \frac{1}{4} \) tone.

\( \text{\textbackslash{}b} \) raise flat \( \frac{1}{4} \) tone; \( \text{\textbackslash{}b} \) lower flat \( \frac{1}{4} \) tone.

\( \text{\textbackslash{}&} \) raise natural \( \frac{1}{2} \) tone; \( \text{\textbackslash{}&} \) natural flat \( \frac{1}{2} \) tone.

**String Timbres**

st: sul tasto;
mo: modo ordinario;
sp: sul ponticello;
asp: alto sul ponticello (high on the bridge).

**Electronics**

1 Macintosh computer (OS 10.3 or higher) running Max/MSP
2, 4 or 6 loudspeakers placed within the orchestra.
Programs and sound files are controlled via the keyboard part.
Software, sound files and additional information are available from the composer.

**Orchestra**

2 Flutes (both doubling on Piccolo)
2 Oboes (second doubling on English Horn)
2 B-flat Clarinets
2 Bassoons (first doubling on Contrabassoon)

4 Horns
3 Trumpets
3 Trombones

Percussion 1: Vibraphone, Glockenspiel, Marimba, Crotales
Percussion 2: Tubular Bell (F-sharp above middle C), Bell Tree, Vibraphone, Suspended Cymbal
Percussion 3: Marimba, Tam-Tam (ca 1 metre in diameter), Gong, Bell Tree,
          Tubular Bell (F-sharp above middle C)
Keyboard controller: 2 keyboards (1 performer): 61 keys and 37 keys; one footswitch.

Harp

Strings

**The score is written in C**

Duration: circa 11 minutes
NOTE: Measure 24: All Woodwind Trills are Timbre Trills
NOTE: Measure 29: All Woodwind Trills are Timbre Trills
very evenly
NOTE: Measures 106-108: All Woodwind Trills are Timbre Trills