Alex Christie

Shifts in Atmospheric Pressure at 41 N, 105 W

2013

Program Notes: Shifts in Atmospheric Pressure at 41 N, 105 W

Shifts in Atmospheric Pressure at 41 N, 105 W is my fourth attempt at exploring, through sound, the complexity and composition of American landscapes. In this case, the sound is derived primarily from the fickle weather patterns I experienced at this location, in addition to the physical features of the landscape itself. This piece, however, does not necessarily create a sonic translation of the experience of weather--that interpretation is left up to the listener.

The idea of "atmospheric pressure" is fascinating to me because it simultaneously connotes the tactile experience of climate and weather patterns but also the physical propagation of sound waves, an occurrence necessary to the transmission of music. With this in mind, one objective of this piece is, simply, the creation of sound. These are simple sounds that slowly morph to create complex and rich timbre and texture, sounds I consider to be the unique and raw vocabulary of the instruments in this ensemble. In another sense, the objective of this piece is to transform the shifts in atmospheric pressure responsible for those Wyoming weather patterns into a different kind of shifts in atmospheric pressure, shifts that result from the vibration of the instruments and are perceived by the audience, courtesy of their ears and brains. As a result, sounds rub up against each other, converge and diverge, and, sometimes unexpectedly, shift.

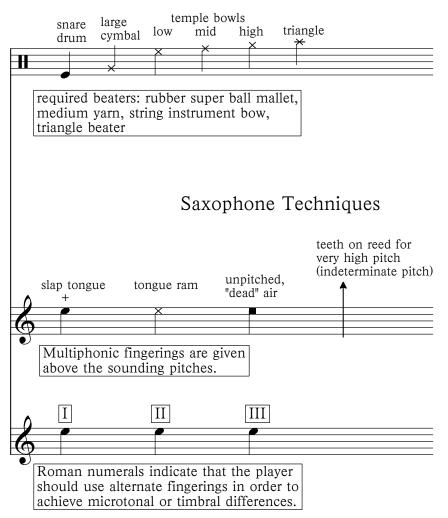
Aesthetically, I consider this piece to be a turning point in my acoustic work. I have often attempted to recreate my electronic music through acoustic means, and vice versa. This has led me to the acoustic exploration of hyper-active musical gestures and sound verging on chaos. *Shifts in Atmospheric Pressure at 41 N, 105 W* is the first piece of mine to explore the opposite sound world, a sound world that derives from the electronic drone music pervasive to the San Francisco Bay Area. What's interesting to me is that this is a style with which I rarely engaged electronically, but has appeared, relatively naturally, in this acoustic setting.

It is almost as if this piece is a concise summary of my own compositional history. Texture, timbre, and gesture are explored in a manner influenced by my own experience in composing and improvising both electronic and acoustic music. These influences are combined with the extra-musical experience of my trip through a Wyoming landscape and the weather patterns that occurred over the course of less than ten minutes near 41 N, 105 W.

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for tenor saxophone, violin, cello, percussion, and piano approx duration: 7'45"

Percussion Setup



note: the percussionist only plays one triangle but 4 triangles are required for the piece. At m. 142, triangles are played by all members of the ensemble (except the saxophonist).

A note about glissandi:

Hold the notated pitch for the indicdated duration before beginning the glissando. Do not re-articulate the arrival pitch. In other words, all glissandi should be smooth. If glissandi are noted as "continuous glissandi" (m. 116), pass through the notes *without* sustaining for the written duration. The result should be a constantly chaning pitch.

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