Struggling To Breathe

For 2 Disklaviers (1 detuned by 1/4 tone)

Jon Fielder

Program Notes

I wrote a great deal of the earliest sketches of *Struggling to Breathe* from a hospital bed in Oakland, CA. I was kept in quarantine in early September of 2019 for a mysterious abscess in my left lung. It was initially believed to be tuberculosis (was later found to be a simple bacterial infection), and because of that hospital protocol required I be completely quarantined during testing and diagnosis. While in the bed with plenty of time on my hands and only a backpack with notebooks, staff paper and some pencils I dedicated to try to work on some music.

While checking my email I saw an open call for pieces by the University of Texas at Austin scored for 2 Disklaviers, one detuned by ¼ tone. Having done my doctorate at UT-Austin I knew the capabilities of the Disklaviers and this seemed like an interesting project. I immediately thought of the idea of two identical entities, but one being slightly off, or a little "broken" - not dissimilar to the current state of my lungs. I set out to write a piece that embodied this idea of a single machine, like a metapiano that just couldn't quite get in sync with itself.

The piece is written as a dichotomy of ideas, one of micropolyphony and the other of hyper-pointillistic kerplunkity writing. At times the two Disklaviers are playing entirely in unison, but the detuned 2nd part creates an interesting resonance and natural phase cancellation/reinforcement, a natural metallic comb filtering effect that I've always been drawn to. The piece is filled with interruptions (coughs), wheezing, points of resolve that never quite settle, and a pointed ending that I think still feels a bit unsatisfying again not dissimilar from my own lungs never quite being the same as a result of scar tissue.

Performance Notes

Struggling to Breathe exists in two forms. One is entirely fixed as a recording, similar to Conlon Nancarrow's pieces for player piano, but instead written for a modern player piano - MIDI driven virtual pianos that allow for exact detuning to play into the effect of the broken metapiano.

The second version is for two physical Disklaviers. This can be performed live using the instruments by playing a MIDI file from a laptop feeding one stream from MIDI Channel 1 to Disklavier 1 and one stream from MIDI Channel 2 to the second Disklavier. This can be played as a MIDI file from a Max/MSP patch, or from a MIDI file stored in a number of DAW sessions (Logic Pro X, Reaper, and Ableton, all of which are available from the composer).

MIDI Channel 1 - Regularly Tuned Disklavier MIDI Channel 2 - Detuned Disklavier

Electronics for the live version of this piece can be obtained from the composer at jonfieldermusic@gmail.com

Struggling To Breathe

For 2 Disklaviers (1 detuned 1/4 tone)

Jon Fielder (b. 1986)



(Ded.)







































