

AURORA PROJECT

October 4-5 2018

London Bridge Studio

Project Highlights

Instrumental folk dance music of Oregon's Aurora colony in the mid-1800's
2-CD project, parts recorded at Acoustic Prism Studio, and London Bridge Studio

Principals

Vivian Williams Executive Producer, violinist, archivist, project conception
Terry Wergeland Producer, arranger, pianist, horns
Gerard Hranek Producer, engineer, mixer
Toby Hanson Orchestrator, arranger, conductor

Project Setup

Sampling Rate 96 kHz
Bit Depth 24 bits
File Formats wav, midi
Channel Count 16

When recording, all tracks for any particular tune are record enabled for alignment.

Full-Flow General Process Timeline	
Day 1	
8-10 am	Setup
10 am	Musicians Show
10-11 am	Mic-up
11 am - 5pm	Record
5-5:30 pm	Close, no strike
Out before 6pm	
Day 2	
9-10 am	Setup
10 am	Musicians Show
10:30 - 2:30	Record band
2:30 - 4:30	Record piano group
4:30 - 5:30	Strike set
Out before 6pm	

Layout: London Bridge

5 acoustic instruments in a semi-circle ensemble arrangement, with a conductor. How tight the circle is TBD.

Channels	Instrument	Mic	Notes	More Notes
1	Violin 1	Wunder U67	1 instrument, 2 mics	Spot mic. Vivian
2	Violin 1	DPA 4061	Bridge mic	Spot mic. Vivian
3	Violin 2	Wunder U67	1 instrument, 2 mics	Spot mic, Sande
4	Violin 2	DPA 4061	Bridge mic	Spot mic, Sande
5	Flute	Neumann U87		Spot mic, Charles
6	Clarinet	Neumann KM 84		Spot mic, Eric
7	Cello 1	Neumann U67	1 instrument, 2 mics	Spot mic, Diane
8	Cello 1	DPA 4061	Bridge mic	Spot mic, Diane
9	Ensemble L	Telfunken 260, cardioid	Primary pair for natural sound	ORTF config (near-coincident pair) 110 deg / 7"
10	Ensemble R	Telfunken 260, cardioid	Primary pair for natural sound	At the focal point of the group, but out of sightlines to the conductor.
11	Decca Tree L	AKG C414	For room sound	Decca slightly behind and above the conductor 8-10' high
12	Decca Tree C	Neumann M150	For room sound	150 is forward 4.5' of 414 line
13	Decca Tree R	AKG C414	For room sound	414s are 6' apart facing sides.
14	E Piano L	DI	End of Day 2	Korg Triton set up in the conductor's location
15	E Piano R	DI	End of Day 2	4 headphone w/Aviom controllers
16	Piano Midi	midi	End of Day 2	5-pin Midi to XLR adapters, mic cables, midi-man converter to USB

Other resources

Wide music stands x5 + one double wide for conductor

No headphones except for Conductor (+Aviom), and the last 2 tunes on Day 2, then only 4 sets of headphones - Piano, Violin 1, Clarinet, Flute

No sound baffles between musicians. We'll suffer the bleed & go for a more orchestral sound w/spot mics.

Rugs under band & conductor