

Deerhorn In Matadero

by Peter B, Ciat-Lonbarde.net

Print Description

Around the hanging fabric antennae are radio fields to sense movements of people, plants, and animals in the space, which which you hear via analog synthesis.

Conceptual Description

The Deerhorn Project (<http://www.ciat-lonbarde.net/deerhorn/>) asks, "how to sonify the invisibles of a space?". These include movements by visitors, or the movement of wind around trees.

Invisible radio fields surround the deerhorns, aka the antennae. The basis of the work has always used fabric of some sort, due to its lightness and ability to fill space with ease.

Like the theremin it is an analog musical instrument of radio fields, but it has polyphony, and they are multiplexed to form an "organ of theremins". One antenna controls both volume and pitch.

Making deerhorn circuits was a workshop in SOMMERKAMPWORKSTATION, Berlin, and installations have hung across USA and Europe.

Technical Description

Deerhorn has evolved through the use of paper circuit boards, printed from home computer. Many ideas were evaluated in the various installation/workshops. Finally, a PLL circuit was printed to fiberglass and this is the current version. They are encased in weather proof tubes, with two speakers, a subtle LED illumination effect. They have a single node that is communicated by wire to the deerhorn antenna, which is a thin aluminum foil embedded in fabric. The whole of it is hanging above our heads in the structure. Thus, "being" in these nodes of the space is "being musical". Peter B will highlight these musico-spatializations with his trombone, strolling through the space and playing what he hears.

Technical Specifications

Hung from the Matadero structure by rope, fabric stretches over the walkways. Embedded are aluminum antennae. The deerhorn circuits, in tubes with speakers, hang higher. All are powered from master 12 volt DC source (possibly solar).

Space Requirements

Access to beams in the space to hang things.

Technical Requirements

A 12 Volt, 4 amp battery or DC transformer powers eight (8) modules. If the appropriate solar panels are secured in a well lit location, they can charge the battery. The supply is regulated at each module for analog synthesis.

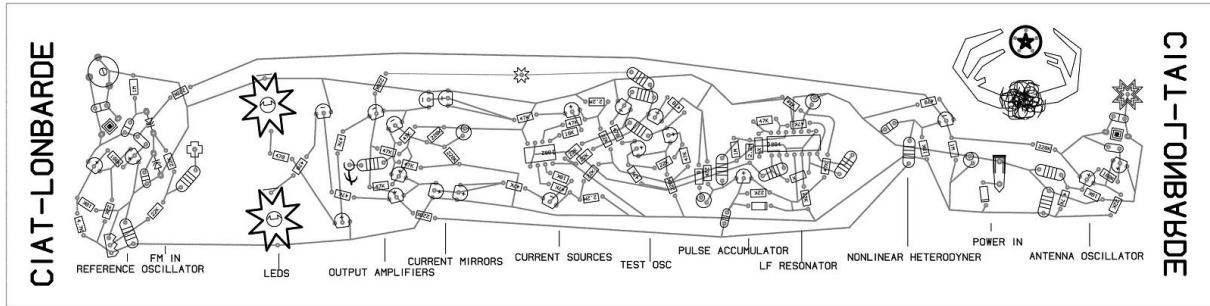
Approximate Dimensions

Footprint of Matadero

Images



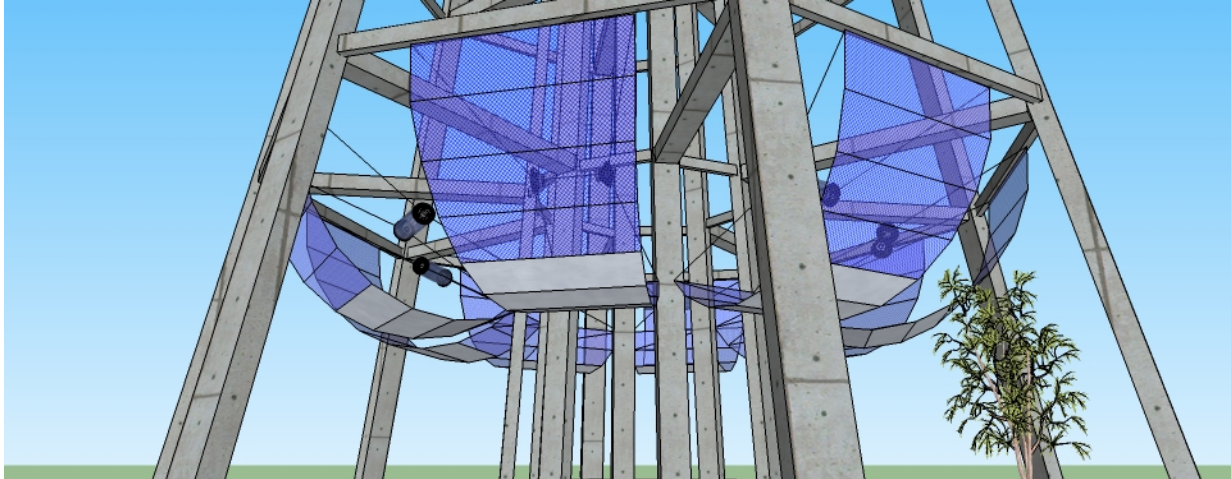
“Deerhorn Tapestry Installation”, American Visionary Art Museum, Baltimore, 2008



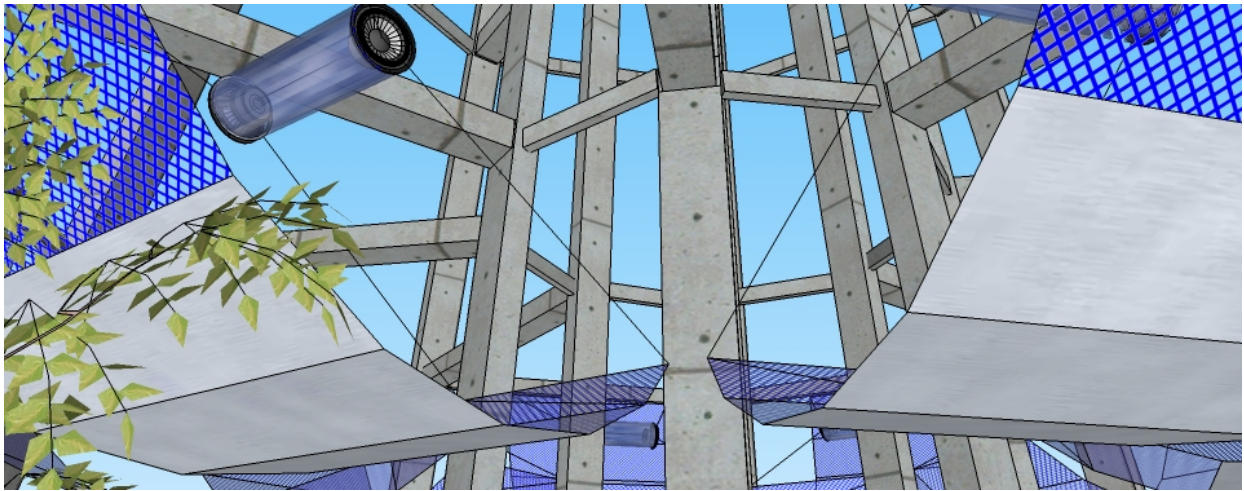
Original Deerhorn Paper Circuit, 2008.



Deerhorn installation using various re-posed aluminum, brass, trashes.



Proposed canopy for Matadero, aluminum is imbedded in the fabric, a tree sways.



View of the weather proof tubes which contain deerhorn circuitry, speakers.

Sounds

<http://www.ciat-lonbarde.net/deerhorn/cavewatersanimalrogers.mp3>

<http://www.ciat-lonbarde.net/deerhorn/fingeringfrogholez.mp3>

Videos

<http://www.youtube.com/watch?v=gAbUBRI4e2s>

<http://www.youtube.com/watch?v=wMsnCHQOP2o>