

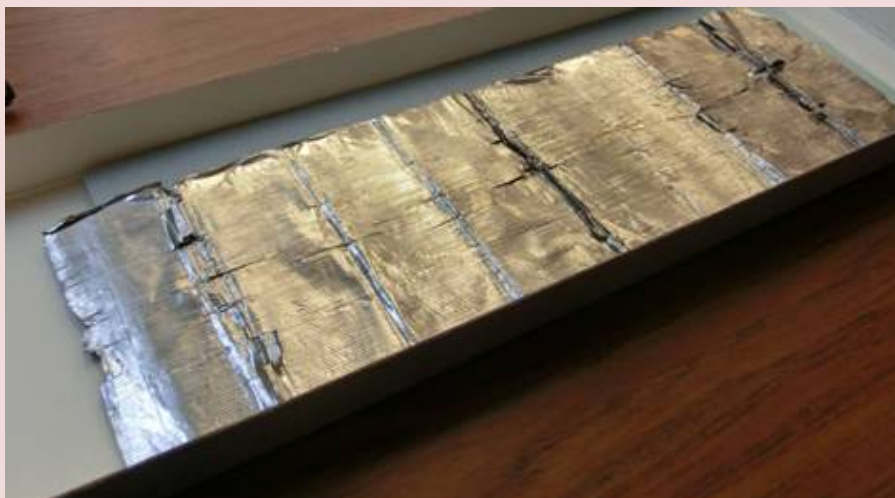
Optical Imaging Study of the 1878 St. Louis Edison Tinfoil Recording

from the

miSci (museum of innovation and science)

Schenectady, New York

Last Update 24-October-2012



This site provides information about the digital restoration of an Edison tinfoil record which dates from 1878. The restoration was done as part of a larger project to restore, preserve, and create digital access to sound recordings using non-invasive optical methods. This project is a collaboration between Lawrence Berkeley National Laboratory and the Library of Congress.

- General reference to the Berkeley Optical Sound Restoration Project is at <http://irene.lbl.gov/> ·
- Link to miSci www.miSci.org
- Additional details on the methods can be found in [3D-Scanning.pdf](#)
- A description of the project to restore the 1878 tinfoil is [Tinfoil_files\Restoring the 1878 St. Louis Foil.pdf](#)
- A short video clip of the scan [Tinfoil_files\MVI_3097.MOV](#)
- A close-up clip [Tinfoil_files\MVI_3096.MOV](#)
- A image of the scanning system [Tinfoil_files\IMG_3089.JPG](#)
- A close-up image [Tinfoil_files\IMG_3091.JPG](#)

Audio files in WAV format

>>Recommended playback version: Full length filtered playback of the tinfoil

[Tinfoil_files\foil_top_ewc-DC-FIRFoil1CH.wav](#)

The foil is easier to listen to if broken into distinct sections. The sections are from the filtered version.

Section 1: Quiet lead-in with only the sound of the folds (see image above) [Tinfoil_files\Leadin-filter.wav](#)

Section 2: Brass instruments [Tinfoil_files\Music-filter.wav](#)

Section 3: Mary Had a Little Lamb [Tinfoil_files\Mary-filter.wav](#)

Section 4: Laughter [Tinfoil_files\Laughter-filter.wav](#)

Section 5: Old Mother Hubbard [Tinfoil_files\Old-Mother-Hubbard-filter.wav](#)

Section 6: Laughter and more speaking [Tinfoil_files\More-laughter.wav](#)

Full length raw playback of the tinfoil [Tinfoil_files\foil_top_ewc.wav](#)

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