SPECIAL COLLECTIONS LIVE
APRIL 28, 2023

Program Notes

Special Collections is a radio show that collects sounds.

Tonight's performance is a collage of the following sounds that were collected for previous editions of Special Collections.

The sounds of flies, crickets, cicada, mosquito, wasps, and weevils from the audio collections of the following institutions:

Reference Library of Digitized Insect Sounds, USDA Agricultural Research Station
British Library
Singing Insects of North America database, University of Florida
Macaulay Library, Cornell University
Smithsonian National Museum of Natural History Library

Recordings of the signature interference pattern created by the phenomenon known as High Frequency Auroral Research Project (HAARP) collected from the ham radio community via message boards and youtube.com

Data used to approximate the sound of earthquakes in the Sun via sonification collected from the following organizations:
NASA Solar Dynamics Observatory
National Solar Observatory
Stanford Solar Observatory Group
University of Michigan Solar and Heliospheric Research Group
National Optical Astronomy Observatory
HAARP Induction Magnetometer

Recordings of the ecosystem of Yellowstone National Park collected from the Natural Sounds and Night Skies division of the National Park Service and the Sound and Light Ecology team at Colorado State University

The sound of Fast Radio Burst 121102 was collected from the following paper:
Spectrotemporal Analysis of a Sample of Bursts from FRB 121102
Kaustubh Rajwade, et al 2020, Res. Notes
American Astronomical Society Vol 4 :150

Recordings of data gathered by the Electric and Magnetic Field Instrument Suite and Integrated Science within the Van Radiation Belts collected from EMFISIS team, Department of Physics at the University of Iowa

Demonstrations of scientific instruments from the acoustic workshops workshops of Wolfgang von Kempelen (1734–1804), Ernst Chladni (1756-1827), Félix Savart (1791-841), Hermann von Helmholtz (1821-1894), Rudolph Koenig (1832-1901), and Frederic Kastner (1852-1882) provided by the online collections of:
The Hunterian Museum, University of Glasgow, Scientific and Medical Instruments Collection
University of Toronto, Scientific instruments collection
Smithsonian National Museum of American History, Physical Science Collection
Humboldt University (Berlin), Physics Department
Harvard Museum of Natural History, Physics Department
Department of Phonetics Saarland University, Saarbrücken
laboratoire EM2C, Paris
University of Western Ontario Canada, Science and Technology Museum
MIT Lincoln Labs
Musée Historique de Strasbourg
Moscow State University, Physics Department

Sounds of the analog phone system from the archives of:

The AT&T Archive
Telephone Historical Centre
The North American Data Communications Museum
The Herbert H. Warrick Jr. Museum of Communications
Georgia Rural Telephone Museum
Smithsonian Science Service
Bell South Telephone Museum
Telephone World

Bat sounds collected from an audio dataset of 293,238 files published by the Bat Lab for Neuro-ecology at the University of Tel Aviv:

An annotated dataset of Egyptian fruit bat vocalizations across varying contexts and during vocal ontogeny
Yosef Prat, Mor Taub, Ester Pratt & Yossi Yovel
Scientific Data volume 4, Article number: 170143 (2017)

Sounds of owls collected from the online resources of the Macaulay Library of The Cornell Lab of Ornithology

Field recordings of the Antarctic undersea environment were made in 1977 by bioacoustician Dr. Jeanette Thomas on a boat off the coast of Antarctica using a reel-to-reel recorder and Ampex tape.

Geographic variation in the under water vocalizations of Weddell Seals from Palmer Peninsula and McMurdo Sound Antarctica
Jeanette Thomas & Ian Stirling 1983
Canadian Journal of Zoology:61