



Smithsonian Institution Archives

Eugene S. Morton Papers, 1964, 1970s

Finding aid prepared by Smithsonian Institution Archives

Smithsonian Institution Archives
Washington, D.C.
Contact us at osiaref@si.edu

Table of Contents

Collection Overview	1
Administrative Information	1
Descriptive Entry.....	1
Names and Subjects	1
Container Listing	3

Collection Overview

Repository:	Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu
Title:	Eugene S. Morton Papers
Identifier:	Accession 08-118
Date:	1964, 1970s
Extent:	7 cu. ft. (7 record storage boxes)
Creator::	Morton, Eugene S.
Language:	English

Administrative Information

Preferred Citation

Smithsonian Institution Archives, Accession 08-118, Eugene S. Morton Papers

Descriptive Entry

This accession consists of records documenting the research of Eugene S. Morton, biologist, while working for General Electric Company (GE) in 1964 and during his pre-doctoral fellowship in the 1970s. Both sets of research were performed at the Smithsonian Tropical Research Institute. While working for GE, Morton studied methods by which sound could be used to determine if troops were waiting in ambush. The tapes were made through long cables and with microphones recording from 100kHz to 20Hz. The recordings document the sounds of many bird species, some of which no longer exist on Barro Colorado Island (Panama). Morton's fellowship research also recorded bird sounds and helped to found the field of bio-sound propagation. Materials include 1" magnetic tapes, 1/4" audiotapes, graphs, and data rolls.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Biologists
- Biology
- Birds
- Birdsongs
- Military research
- Research
- Sound

Types of Materials:

Audiotapes
Manuscripts

Names:

General Electric Company
Morton, Eugene S.
Smithsonian Tropical Research Institute

Geographic Names:

Barro Colorado Island (Panama)

Container Listing

	Box 1	
Box 1 of 7		Morton BCI Tapes #7-11, 1" magnetic tape (5 reels)
	Box 2	
Box 2 of 7		Morton BCI Tapes #12-16, 1" magnetic tape (5 reels)
	Box 3	
Box 3 of 7		Morton BCI Tapes #17-21, 1" magnetic tape (5 reels)
	Box 4	
Box 4 of 7		Morton BCI Tapes #22-26, 1" magnetic tape (5 reels)
	Box 5	
Box 5 of 7		Morton BCI Tapes #27-31, 1" magnetic tape (5 reels)
	Box 6	
Box 6 of 7		Morton BCI Tapes #32, 1" magnetic tape
Box 6 of 7		Morton Thesis Tapes, Tests #1-26, 1/4" audiotape (26 reels)
	Box 7	
Box 7 of 7		Morton Thesis Tapes, Tests #27-33, 1/4" audiotape (7 reels)
Box 7 of 7		Morton Thesis Tapes, Spanish Reels #2-7, 1/4" audiotape (2 reels)
Box 7 of 7		Morton Thesis Tapes, Propagation Test, 1/4" audiotape
Box 7 of 7		Morton Thesis Tapes, Natural Amplitude, 1/4" audiotape (2 reels)
Box 7 of 7		Morton Thesis Tapes, June 17, Reels 1-2, 1/4" audiotape (2 reels)
Box 7 of 7		Morton Thesis Tapes, June 14, Reel 3, 1/4" audiotape
Box 7 of 7		Morton Thesis Tapes, Test Tape, 1/4" audiotape
Box 7 of 7		Morton Thesis Tapes, Grass Propagation Tests, 1/4" audiotape (2 reels)
Box 7 of 7		Las Cruces Trail, Maddin forest, June 13, Propagation Test, 1/4" audiotape
Box 7 of 7		Morton Thesis Tapes, Tests 1-20, Graphs

Box 7 of 7	Morton Thesis Tapes, Tests 21-25, Graphs
Box 7 of 7	Morton Thesis Tapes, Tests 26-33, Graphs
Box 7 of 7	Miscellaneous Tests, Graphs
Box 7 of 7	Unidentified Tests, Graphs
Box 7 of 7	Data Rolls