



Smithsonian
National Air and Space Museum

Francis L. Moseley Avionics Collection

2001

National Air and Space Museum Archives
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Chantilly, VA 20151
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<https://airandspace.si.edu/archives>

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Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Francis L. Moseley Avionics Collection
Identifier:	NASM.1986.0148
Date:	1930-1981 (bulk [ca. 1930s-1950s])
Extent:	3.27 Cubic feet ((3 records center boxes))
Creator:	Moseley, Francis L.
Language:	English .

Administrative Information

Acquisition Information

Francis Moseley, Peter Moseley, Gift, 1983, 1986, 1986-0148, NASM

Restrictions

No restrictions on access

Conditions Governing Use

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Biographical / Historical

Francis L. Moseley was a lieutenant colonel in the U.S. Army. He participated in the VHF Omni-Directional Range (VOR) Navigation System and other flight experiments in automatic flight control for all-weather operations. Moseley wrote articles and booklets dealing with the general problems of automatic control of aircraft landing, which are included in this collection. He also worked on the Sperry flight ray system, a cathode ray flight indicator. Moseley was employed at Collins Radio Company and was a member of the Aeronautical Radio, Inc. (ARINC.)

Scope and Contents

This collection includes technical development reports, booklets, periodicals, lab books, and reports dealing with radar. Included is material from Aeronautical Radio, Inc., American Telephone and Telegraph Company, Bell Telephone System, Commonwealth and Empire Conference on Radio for Civil Aviation

(CERCA), Collins Radio Company, General Electric, the Institute of Radio Engineers and the U.S. Department of Commerce. Also included are copies of Moseley's patents of 'Aircraft Flight Indicator and Control System Therefor', 'Cathode Ray Flight Indicator' (what Moseley called a flight ray), and a patent for 'Radio Controlled Pilot System.'

Arrangement

Series I, Series II

General

Other Material: 1 Sperry Flight Ray system and 1 Sperry Dual ADF (held in the National Air and Space Museum Division of Aeronautics).

General

NASMrev

Names and Subject Terms

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

Subjects:

- Aeronautics
- Aeronautics, Military
- Airplanes -- Control systems
- Avionics
- Navigation (Aeronautics)
- Omnirange system
- Periodicals
- Periodicals
- Radar
- Sperry flight ray system

Types of Materials:

- Booklets
- Reports

Names:

- Aeronautical Radio Inc.
- American Telephone and Telegraph Company
- BLANK AUTHORITY TEXT
- Bell Telephone Laboratories
- Commonwealth and Empire Conference on Radio for Civil Aviation (CERCA)

General Electric Company
Institute of Radio Engineers
Moseley, Francis L.
United States. Department of Commerce