

McLean, F. Edward, Papers

F. Edward McLean Papers

1950-1985



Title Statement

McLean, F. Edward, Papers F. Edward McLean Papers, 1950-1985 Ms.1990.054

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Profile Description

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Descriptive Summary

Unit ID

Ms.1990.054

Unit Date

1950-1985

Language

The materials in the collection are in English.

Abstract

This collection contains NASA and NACA materials and papers related to Francis Edward McLean's work in aerospace engineering.

Creator

McLean, F. Edward

Extent

0.6 Cubic Feet 2 boxes; 1 folder

Repository

Special Collections and University Archives, Virginia Tech

Administrative Information

Conditions Governing Access

The collection is open for research.

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Source of Acquisition

The F. Edward McLean Papers were donated to Special Collections in October 1990.

Processing Information

The processing, arrangement, and description of the F. Edward McLean Papers was completed in November 2012.

Preferred Citation

Researchers wishing to cite this collection should include the following information: [identification of item], [box], [folder], F. Edward McLean Papers, Ms1990-054, Special Collections and University Archives, Virginia Tech, Blacksburg, Va.

Biographical Note

Francis Edward McLean graduated from Louisiana Polytechnic institute (B.S. Math-Physics, 1948). Beginning in 1948, McLean held several positions and the National Advisory Committee for Aeronautics (NACA) and the National Aeronautics and Space Administration (NASA), including principal aerodynamic evaluator and consultant in the U.S. Supersonic Transport Program (1963-1969), head of the Langley Research Center's Aero-Thermo Section (1968-1971), aeronautical manager and head of the NASA Supersonic Technology Office (1974-1978). McLean was presented with patent awards in 1966 and 1968 for supersonic airplane design and is the author of *Supersonic Cruise Technology* (Washington D.C., NASA, 1985). He retired from NASA in 1978.

Scope and Content

This collection consists of NASA papers related to Francis Edward McLean's work in aerospace engineering. McLean's work at NASA specialized in supersonic aerodynamic design and analysis, and high-speed management. The papers consist of writings by McLean, NASA and NACA-related news clippings, correspondence and inter-office NASA memos, patents, technical reports, presentation materials, photographs, awards, and citations.

Keywords

Aerospace engineers
Archives of American Aerospace Exploration (AAAE)
Science and Technology
United States. National Advisory Committee for Aeronautics
United States. National Aeronautics and Space Administration

Rights Statement for Archival Description

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Arrangement

Folders in the collection are arranged alphabetically by title/material type.

Description of Subordinate Components

F-15 Papers

box-folder 1 (box)

Container 1 (folder)

Francis E. McLean Personal Papers

box-folder 1 (box)

Container 2 (folder)

Handwritten Notes- NASA

box-folder 1 (box)

Container 3 (folder)

NASA Correspondence and Memos

box-folder 1 (box)

Container 4 (folder)

Newspaper Clippings

Unit Date 1965-1967

box-folder 1 (box)

Container 5 (folder)

Phase III SST Performance Evaluation

folder 1

Photographs & Transparencies

folder 1

box-folder 1 (box)

Container 6 (folder)

SCAR Project

box-folder 1 (box)

Container 7 (folder)

Sonic Boom Papers

folder 1

box-folder 1 (box)

Container 8 (folder)

Sonic Boom Proposal Presentation Materials

box-folder 1 (box)

Container 9 (folder)

Supersonic Air Transportation Papers

box-folder 1 (box)

Container 10 (folder)

Publications

box-folder 2 (box)

Container 1 (folder)

Scope and Content

- Publications

- NASA Research Memorandum- Analytical Investigation of Propeller Efficiency at High Subsonic Flight Speeds Near MACH Number Unity, 1950
- Proceedings of the Sonic Boom Symposium, 1965
- Some Nonasymptotic Effects on the Sonic Boom of Large Airplanes, 1965
- Sonic-Boom Characteristics of Proposed Supersonic and Hypersonic Airplanes, 1966
- Supersonic Cruise Technology, 1985