

# McLean, F. Edward, Papers

F. Edward McLean Papers

1950-1985



## Title Statement

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

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## Profile Description

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**Descriptive Rules:** Describing Archives: A Content Standard

## 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