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National Air and Space Museum

Aerojet-General M-1 Engine Reports

2001

National Air and Space Museum Archives
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Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Aerojet-General M-1 Engine Reports
Date:	1962-1968
Identifier:	NASM.XXXX.0190
Creator:	Aerojet-General Corporation
Extent:	2.18 Cubic feet ((2 records center boxes)) 2.08 Linear feet
Language:	English .

Administrative Information

Acquisition Information

No Donor Information, gift, unknown

Restrictions

No restrictions on access

Conditions Governing Use

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Biographical / Historical

The 1959 conceptualization of the National Aeronautics and Space Administration (NASA) lunar program, codenamed Apollo, envisioned manned lunar exploration in the 1970s when NASA expected large boosters to be available. Nova was the largest of the four planned boosters, powerful enough to send a manned spacecraft directly to the moon. The second stage of the multistage Nova was to be powered by the liquid hydrogen M-1 engine. Aerojet-General Corporation began development work on the M-1 on 30 April 1962 and, after the Nova direct ascent mode was dropped in favor of lunar orbit rendezvous with the smaller Saturn booster, continued as a program to develop a post-Saturn launch vehicle. The M-1 program was canceled in August 1965 with the indefinite postponement of the vehicle program, at which time most of the major components had undergone testing, although the complete engine had not.

Scope and Contents

This collection consists of design information, development program plans, quarterly technical progress reports, research and development proposals, and technical reviews concerning the development of the M-1 rocket engine. The majority of the material was prepared for NASA by Aerojet-General.

General

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Names and Subject Terms

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

Subjects:

- Aerojet M-1 Liquid Fuel Motor
- Astronautics
- Rocket engines

Types of Materials:

- Reports

Names:

- Aerojet-General Corporation
- Project Apollo (U.S.)
- United States. National Aeronautics and Space Administration

Places:

- Moon -- Exploration