

Parker, Otis Jerome, Papers

Otis Jerome Parker Papers

1963-1975



Title Statement

Parker, Otis Jerome, PapersOtis Jerome Parker Papers, 1963-1975 Ms.1987.065

Author: Special Collections and University Archives Staff

Publication Statement

Publisher: Special Collections and University Archives, Virginia Tech

Special Collections and University Archives, University Libraries (0434)
560 Drillfield Drive
Newman Library, Virginia Tech
Blacksburg, Virginia 24061
Business Number: 540-231-6308
specref@vt.edu
URL: <http://spec.lib.vt.edu>



2005 (CC0 1.0)

Profile Description

Creation: This finding aid was produced using ArchivesSpace on 2024-10-16 08:48:33 -0400.

Language Usage: Description is written in: English, Latin script.

Descriptive Rules: Describing Archives: A Content Standard

Descriptive Summary

Unit ID

Ms.1987.065

Unit Date

1963-1975

Language

The materials in the collection are in English.

Abstract

This collection includes the technical publications and internal communications from NASA's Langley Research Center, largely relating to Parker's work on "jet shoes" and other devices designed for extravehicular activity propulsion and maneuverability during the Apollo and Skylab projects.

Creator

Parker, Otis Jerome, 1918-1995

Extent

0.2 Cubic Feet 1 box

Repository

Special Collections and University Archives, Virginia Tech

Administrative Information

Conditions Governing Access

The collection is open to research.

Conditions Governing Reproduction and Use

The copyright status of this collection is unknown. Copyright restrictions may apply. Contact Special Collections and University Archives for assistance in determining the use of these materials.

Reproduction or digitization of materials for personal or research use can be requested using our reproduction/digitization form: <http://bit.ly/scuareproduction>. Reproduction or digitization of materials for publication or exhibit use can be requested using our publication/exhibition form: <http://bit.ly/scuapublication>. Please contact Special Collections and University Archives (specref@vt.edu or 540-231-6308) if you need assistance with forms or to submit a completed form.

Source of Acquisition

The Otis Jerome Parker Papers were donated to the Special Collections and University Archives in 1987.

Processing Information

The processing, arrangement and description of the Otis Jerome Parker Papers were completed in May 2005.

Preferred Citation

Researchers wishing to cite this collection should include the following information: [identification of item], [box], [folder], Otis Jerome Parker Papers, Ms1987-065, Special Collections and University Archives, Virginia Tech, Blacksburg, Va.

Biographical Note

Otis Jerome Parker (1918-1995), an aerospace engineer, was employed by NASA's Langley Research Center during the 1960s and 1970s. He worked in the Flight Vehicles and Systems Division during the Gemini program and was named assistant manager of Langley's Apollo Applications Program Experiments Systems in 1969. In 1971, he was assigned the same position in the Skylab program. Parker was largely involved with the design and development of "jet shoes" and other devices intended to provide maneuverability during astronauts' extravehicular activity in spaceflight. During his work at NASA, Parker was granted patents as inventor or co-inventor of a despin weight release mechanism, a spacecraft separation system, an ullage compensator and a flared tube strainer.

Scope and Content

This collection contains the papers of Otis Jerome Parker, an aerospace engineer employed at NASA's Langley Research Center during the Gemini, Apollo and Skylab projects. The collection consists largely of a few NASA publications regarding the design and development of "jet shoes" and other devices intended to provide propulsion and maneuverability during extravehicular activity (EVA) in spaceflight. The collection also includes Langley inter-office communications regarding Parker and the projects on which he worked, as well as a small set of photographs of Parker and EVA propulsion devices. With the exception of one photograph, this collection consists of photocopied materials.

Related Archival Materials

Virginia Tech Special Collections and University Archives also holds a manuscript collection on Parker's brother, William Dale. The finding aid for the W. Dale Parker Papers can be found [here](#).

Keywords

Archives of American Aerospace Exploration (AAAE)

Inventors

Science and Technology

Parker, Otis Jerome, 1918-1995

Rights Statement for Archival Description

The guide to the Otis Jerome Parker Papers by Special Collections and University Archives, Virginia Tech, is

Arrangement

The collection is arranged by document type, then chronologically.

Description of Subordinate Components

"A Simple Solar Orientation Control System for Space Vehicles" (NASA Technical Note D-1271) by Seymour Salmirs, S. Lawrence Kessler, and Otis J. Parker

Unit Date 1962-09

box-folder 1 (box)

Container 1 (folder)

"Flight Investigation of a Solar Orientation Control System for Spacecraft" (NASA Technical Memorandum NASA TM X-944) by Anthony Fontana, Julia D. Maynard, Marcus L. Brumfield and Otis J. Parker

Unit Date 1964-01

box-folder 1 (box)

Container 2 (folder)

"Program Management Report: Apollo Applications Programs" (T008 - Electrolysis Cell; T009 - Primates--Long Duration in Zero G; T013 - Vehicle Disturbances; T020 - Jet Shoes)

Unit Date 1967-03-24

box-folder 1 (box)

Container 3 (folder)

"An Outline of the Proposed 'Jet Shoes' Experiment in Extravehicular Activity for the Apollo Applications Program" by John D. Bird, Otis J. Parker and David F. Thomas Jr.

Unit Date 1967-04-10

box-folder 1 (box)

Container 4 (folder)

"Jet Shoes - An Extravehicular Space Locomotion Device" (NASA Technical Note NASA TN D-3809) by David F. Thomas, Jr.; John D. Bird, and Richard F. Hellbaum

Unit Date 1967-04

box-folder 1 (box)

Container 5 (folder)

Inter-office communications

Unit Date 1963-1975

box-folder 1 (box)

Container 6 (folder)

Photographs

Unit Date 1967-1971

box-folder 1 (box)

Container 7 (folder)