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National Air and Space Museum

Orbiting Solar Observatory (OSO)
Collection [Werner M. Neupert]

2003

National Air and Space Museum Archives
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Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Orbiting Solar Observatory (OSO) Collection [Werner M. Neupert]
Date:	undated
Identifier:	NASM.2002.0057
Creator:	Neupert, Werner
Extent:	2.18 Cubic feet ((2 record center boxes))
Language:	English .

Administrative Information

Acquisition Information

David H. DeVorkin, Transfer, 2002

Preferred Citation

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Biographical / Historical

Werner M. Neupert is known for his contributions to the fields of solar physics and spectroscopy. While at the National Aeronautics and Space Administration's Goddard Space Flight Center, Neupert was an essential part of the US Orbiting Solar Observatory (OSO) program. This program launched a series of eight satellites between 1962 and 1971 to collect data on the sun and to study solar flares. (The "Neupert Effect" of solar flares is named for Werner Neupert.)

Scope and Contents

This collection consists Werner Neupert's files and collection of publications relating to the Orbiting Solar Observatories and and the experiments associated with each. Much of the collection documents artifacts in the collection of the National Air and Space Museum, transferred from NASA by Neupert. Included are a loose-leaf notebook of charts and graphs detailing the "Bendix Electron Multiplier Tests," a loose-leaf reproduction of the June 1957 SID 66-1338-7 "Appendix 7: Ion Chambers for Detection of Vacuum Ultraviolet

Radiation;" publications by contractor Ball Brothers Research Corporation; minutes of NASA's Solar Physics Subcommittee of the Space Science Steering Committee; a binder of the 1962 ZETA Command Schedule and data; the original stenographic transcript of the 14 March 1963 NASA Satellite Symposium (with lantern slides); and miscellaneous material that includes original strip chart recordings of OSO-1 telemetry. Reports found in this collection include: Appraisal and Recommendations on the Orbiting Solar Observatory Program from NASA's Office of Space Science and Applications, 1968; Space Research: Directions for the Future (Parts 1,2 and 3), published by the Space Science Board, National Academy of Sciences, 1965 and 1966; NASA Reports to the Space Science Board; NASA's America's Next Decades in Space: A Report for the Space Task Group, 1966; Solar Satellite Report from the Harvard College Observatory, 1967; and Goddard Space Flight Center's Twenty-Year Mission Plan.

Names and Subject Terms

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

Subjects:

- Artificial satellites
- Astronomical spectroscopy
- Astronomy
- Orbiting solar observatories
- Solar activity

Types of Materials:

- Charts
- Notebooks
- Reports
- Transcripts

Places:

- Sun