



Smithsonian

National Air and Space Museum

Space Astronomy Oral History Project

Mark Kahn

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National Air and Space Museum Archives
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Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Space Astronomy Oral History Project
Date:	1981-1991
Identifier:	NASM.1999.0034
Creator:	DeVorkin, David H., 1944-
Extent:	3.59 Cubic feet (19 boxes)
Language:	English .
Summary:	<p>The collection consists of the transcripts for the Space Astronomy Oral History Project (SAOHP), which examined the early use of rockets and satellites to study the upper atmosphere and space for the period 1946 through the early 1960s. This project constitutes one of several oral history projects conducted within the Department of Space History, NASM. The principal investigator for the SAOHP was David H. DeVorkin, and the interview set contains 225 hours of interviews with 56 individuals. The central thread of this collection is how the availability of new technologies for research, first the rocket and later satellites, helped to create a new social matrix for research. The following were interviewed: Jules Aaron; Ball Brothers; William Baum, William Behring; Jay Bergstrahl; Richard Bleach; William Brunk; Arthur Code; Jerry Conner; Frank Drake; William Fastie; Lorence Fraser; Herbert Friedman; Phyllis Frier; Robert Frosch; George Gianoplis; Thomas Gold; Leo Goldberg; Martin Harwit; Ralph Havens; Albert Hibbs; Noel Hinners; Hans Hinteregger; Charles Johnson; Francis Johnson; Adolph Jursa; Henry Kondracki; Ernst Krause; Alfred Nier; Gerry Neugebauer; Werner Neupert; Ray Newburn; Gordon Newkirk; Edward Ney; Charles O'Dell; William Pickering; Richard Porter; James Purcell; William Rense; Walter Roberts; Nancy Roman; Milton Rosen; Dan Scheiderman; Ronald Schorn; Martin Schwarzschild; Richard Silberstein; John Simpson; Lyman Spitzer; Kaj Strand; Nelson Spencer; John Strong; Gerald Tape; Clyde Tombaugh; Richard Tousey; Mona Tycz; James Van Allen; Gerald Wasserburg; James Webb; James Westphal; Charles Whitsett; Fred Wilshusen; and George Withbroe.</p>

Administrative Information

Acquisition Information

Space History, NASM, Transfer, 1999, 1999-0034, Varies

Processing Information

Additional material: This collection consists only of the interview transcripts, not the tapes. The tapes are housed in the National Air and Space Museum Department of Space History.

Preferred Citation

Space Astronomy Oral History Project, Acc. 1994-0034, National Air and Space Museum, Smithsonian Institution.

Restrictions

The audio cassette tapes of these interviews have yet to be remastered and, due to their fragility, are unavailable to researchers. Transcripts are available to researchers though, there are restrictions placed on a number of them. A NASM staff member will advise the patron which transcripts are available for copying or viewing and how to order copies of transcripts and/or CDs.

Conditions Governing Use

[Permissions Requests](#)

Historical Note

This collection contains the interviews for the Space Astronomy Oral History Project. These interviews explore the early use of rockets and satellites over the period 1946 through the early 1960s to investigate the upper atmosphere and space. This project constitutes one of several oral history projects conducted within the National Air and Space Museum's (NASM) Department of Space History. The principal interviewer for this project was David H. DeVorkin and the interview set consists of 225 hours of interviews with 67 individuals. Please note that there are a few instances where audio cassette tapes of the interview subjects exist but without written transcripts while there are also a few cases of existing transcripts of the interviews without any audio cassette tapes. The following were interviewed for this project: Jules Aaron; Frank Bateson; William Alvin Baum; William Behring; Jay Thor Bergstrahl; Richard Bleach; William E. Brunk; Arthur Dodd Code; Jerry Conner; Fred Dolder; Frank Donald Drake; William G. Fastie; Lorence Fraser; Phyllis Freier; Herbert Friedman; Robert Frosch; Reuben H. Gablehouse; R.A.Gaiser; George Gianopolis; Thomas Gold; Leo Goldberg; Martin Otto Harwit; Ralph Havens; Albert Roach Hibbs; Noel Hinnens; Hans Erich Hinteregger; Charles Yothers Johnson; Francis S. Johnson; Adolph Simon Jursa; Jerome Kohl; Henry Kondracki; Ernst Henry Krause; R.C. Mercure; Alfred O. Neir; Gerry Neugebauer; Werner Neupert; Ray Leon Newburn; Gordon Allen Newkirk; Edward P. Ney; Charles Robert O'Dell; William Hayward Pickering; Richard W. Porter; James D. Purcell; William A. Rense; Walter Orr Roberts; Nancy Grace Roman; Milton W. Rosen; Dan Schneiderman; Ronald A. Schorn; Martin Schwarzschild; Richard Silberstein; John Simpson; Nelson W. Spencer; Lyman Spitzer, Jr.; Kaj Strand; John Strong; Gerald Tape; Clyde William Tombaugh; Richard Tousey; Mona Tycz; James Van Allen; Gerald Joseph Wasserburg; James Edwin Webb; James A. Westphal; Charles Edward Whitsett; Fred Wilshusen and George Withbroe.

Scope and Contents

Audio cassettes and transcripts.

Arrangement

The Space Astronomy Oral History Project interviews are arranged alphabetically by interviewee.

Names and Subject Terms

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

Subjects:

Artificial satellites
Astronautics
Astronomy
Atmosphere, Upper -- Rocket observations
Rockets (Aeronautics)

Types of Materials:

Transcripts

Names:

Aaron, Jules
Baum, William
Behring, William
Bergstrahl, Jay T.
Bleach, Richard
Brunk, William Edward, 1928-
Code, Arthur D.
Connor, Jerry
DeVorkin, David H., 1944-
Drake, Frank D.
Fastie, William
Fraser, Lorence
Friedman, Herbert
Frier, Phyllis
Frosch, Robert
Gianopolis, George
Gold, Thomas
Goldberg, Leo
Harwit, Martin, 1931-
Hibbs, Albert R.
Hinnners, Noel W.
Hinteregger, Hans H.
Johnson, Charles Yothers, 1920-
Johnson, Francis
Jursa, Adolph S.
Kondracki, Henry
Krause, Ernst H.
National Air and Space Museum (U.S.). Division of Space History
Neugebauer, G. (Gerry)
Neupert, Werner
Newburn, R. L. (Ray L.)
Newkirk, Gordon Allen, 1928-
Ney, Edward
Nier, Alfred
O'Dell, Charles
Pickering, William
Porter, Richard W. (Richard William), 1913-1996
Purcell, J. DeWitt (James DeWitt), 1912-1986
Rense, William
Roberts, Walter
Roman, Nancy Grace, 1925-
Rosen, Milton W.

Scheiderman, Dan
Schorn, Ronald
Schwarzschild, Martin
Silberstein, Richard
Simpson, John A. (John Alexander), 1916-
Space Astronomy Oral History Project (SAOHP) (U.S.)
Spencer, Nelson
Spitzer, Lyman, 1914-
Strand, K. Aage (Kaj Aage), 1907-
Strong, John
Tape, Gerald
Tombaugh, Clyde William, 1906-
Tousey, Richard, 1908-1997
Tycz, Mona
Van Allen, James Alfred, 1914-
Wasserburg, Gerald
Webb, James E. (James Edwin), 1906-
Westphal, James
Whitsett, Charles
Wilshusen, Fred
Withbroe, G. L. (George L.)

Container Listing

Series 1: Audio cassette tapes

Language: English.

Restrictions: These tapes have yet to be remastered and, due to their fragility, are not available to researchers.

Scope and Contents: Boxes 1-13 contain interviews on audio cassette tapes.

Box 1	Aaron , December 12, 1983
Box 1	Ball Brothers , January 13, 1982 [tape 1 of 2]
Box 1	Ball Brothers , January 13, 1982 [tape 2 of 2]
Box 1	Baum, January 12, 1982
Box 1	Baum, June 22, 1986 [tape 1 of 2]
Box 1	Baum , June 22, 1986 [tape 2 of 2]
Box 1	Behring, April 7, 1983 [tape 1 of 2]
Box 1	Behring , April 7, 1983 [tape 2 of 2]
Box 1	Bergstrahl, July 13, 1983 [tape 1 of 2]
Box 1	Bergstrahl, July 13, 1983 [tape 2 of 2]
Box 1	Bergstrahl, August 1, 1983 [tape 1 of 2]
Box 1	Bergstrahl, August 1, 1983 [tape 2 of 2]
Box 1	Bleach, May 11, 1984 [tape 1 of 2]
Box 1	Bleach, May 11, 1984

	[tape 2 of 2]
Box 1	Brunk, July 21, 1983 [tape 1 of 2]
Box 1	Brunk, July 21, 1983 [tape 2 of 2]
Box 1	Brunk, August 9, 1983 [tape 1 of 2]
Box 2	Brunk, August 9, 1983 [tape 2 of 2]
Box 2	Brunk , May 25, 1984
Box 2	Brunk , September 28, 1984
Box 2	Code , September 30-October 1, 1982 [tape 1 of 3]
Box 2	Code , September 30-October 1, 1982 [tape 2 of 3]
Box 2	Code , September 30-October 1, 1982 [tape 3 of 3]
Box 2	Conner , April 24, 1984
Box 2	Drake , December 9, 1983 [tape 1 of 2]
Box 2	Drake , December 9, 1983 [tape 2 of 2]
Box 2	Fastie , February 3, 1983 [tape 1 of 2]
Box 2	Fastie , February 4, 1983 [tape 2 of 2]
Box 2	Fastie , June 6, 1986 [tape 1 of 2]
Box 2	Fastie , June 6, 1986 [tape 2 of 2]
Box 2	Fraser , March 9, 1983

	[tape 1 of 3]
Box 2	Fraser , March 9, 1983 [tape 2 of 3]
Box 2	Faser , March 9, 1983 [tape 3 of 3]
Box 3	Freier , March 1, 1984
Box 3	Friedman , June 7, 1983
Box 3	Friedman , September 2, 1983 [tape 1 of 3]
Box 3	Friedman , September 2, 1983 [tape 2 of 3]
Box 3	Friedman , September 2, 1983 [tape 3 of 3]
Box 3	Friedman/Johnson, December 17, 1986
Box 3	Frosch, July 10, 1981 [tape 1 of 2]
Box 3	Frosch , July 10, 1981 [tape 2 of 2]
Box 3	Frosch, July 23, 1981 [tape 1 of 2]
Box 3	Frosch, July 23, 1981 [tape 2 of 2]
Box 3	Frosch, August 19, 1981 [tape 1 of 2]
Box 3	Frosch, August 19, 1981 [tape 2 of 2]
Box 3	Frosch, September 15, 1981 [tape 1 of 2]
Box 3	Frosch, September 15, 1981 [tape 2 of 2]
Box 3	Frosch, October 6, 1981
Box 3	Granopolis, August 11, 1983

Box 3	Gold , September 30, 1983
Box 4	Goldberg, February 23, 1983 [tape 1 of 3]
Box 4	Goldberg, February 23, 1983 [tape 2 of 3]
Box 4	Goldberg , February 23, 1983 [tape 3 of 3]
Box 4	Goldberg, September 8, 1983 [tape 1 of 2]
Box 4	Goldberg , September 8, 1983 [tape 2 of 2]
Box 4	Goldberg, October 10, 1983 [tape 1 of 2]
Box 4	Goldberg, October 10, 1983 [tape 2 of 2]
Box 4	Harwit, February 9, 1983
Box 4	Harwit , April 19, 1983 [tape 1 of 2]
Box 4	Harwit, April 19, 1983 [tape 2 of 2]
Box 4	Harwit, June 20-22, 1983 [tape 1 of 4]
Box 4	Harwit , June 20-22, 1983 [tape 2 of 4]
Box 4	Harwit , June 20-22, 1983 [tape 3 of 4]
Box 4	Harwit, June 20-22, 1983 [tape 4 of 4]
Box 4	Havens , October 6, 1983
Box 4	Hinners, July 31, 1981
Box 5	Hinners , October 17, 1984
Box 5	Hinteregger , December 13, 1984

	[tape 1 of 3]
Box 5	Hinteregger , December 13, 1983 [tape 2 of 3]
Box 5	Hinteregger, December 13, 1983 [tape 3 of 3]
Box 5	Johnson, March 3, 1982 [tape 1 of 2]
Box 5	Johnson, March 3, 1982 [tape 2 of 2]
Box 5	Johnson, April 21, 1982 [tape 1 of 2]
Box 5	Johnson, April 21, 1982 [tape 2 of 2]
Box 5	Johnson , November 1, 1984
Box 5	Johnson , June 23, 1982 [tape 1 of 2]
Box 5	Johnson, June 23, 1982 [tape 2 of 2]
Box 5	Jursa , December 13, 1983
Box 5	Krause , August 10, 1982 [tape 1 of 3]
Box 5	Krause , August 10, 1982 [tape 2 of 3]
Box 5	Krause , August 10, 1982 [tape 3 of 3]
Box 5	Krause , July 1, 1983 [tape 1 of 2]
Box 5	Krause , July 1, 1983 [tape 2 of 2]
Box 6	Krause , November 26, 1984
Box 6	Krause , April 26, 1986

	[tape 1 of 2]
Box 6	Krause , April 26, 1986 [tape 2 of 2]
Box 6	Nier , March 1, 1984 [tape 1 of 2]
Box 6	Nier , March 1, 1984 [tape 2 of 2]
Box 6	Nier , undated
Box 6	Neugebauer , August 12, 1982 [tape 1 of 2]
Box 6	Neugebauer , August 12, 1982 [tape 2 of 2]
Box 6	Neupert , July 9, 1982 [tape 1 of 2]
Box 6	Neupert , July 9, 1982 [tape 2 of 2]
Box 6	Newburn , March 31, 1983 [tape 1 of 3]
Box 6	Newburn, March 31, 1983 [tape 2 of 2]
Box 6	Newburn , March 31, 1983 [tape 3 of 3]
Box 6	Ney , February 29, 1984
Box 6	O'Dell, April 12, 1982 [tape 1 of 3]
Box 6	O'Dell , April 12, 1982 [tape 2 of 3]
Box 6	O'Dell , April 12, 1982 [tape 3 of 3]
Box 7	O'Dell , December 15, 1982
Box 7	O'Dell , May 21, 1985

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Box 7	O'Dell , May 21, 1985 [tape 2 of 8]
Box 7	O'Dell , May 21, 1985 [tape 3 of 8]
Box 7	O'Dell , May 21, 1985 [tape 4 of 8]
Box 7	O'Dell , May 21, 1985 [tape 5 of 8]
Box 7	O'Dell, May 21, 1985 [tape 6 of 8]
Box 7	O'Dell , May 21, 1985 [tape 7 of 8]
Box 7	O'Dell , May 21, 1985 [tape 8 of 8]
Box 7	O'Dell , June 25, 1986 [tape 1 of 2]
Box 7	O'Dell, June 25, 1986 [tape 2 of 2]
Box 7	Pickering , December 12, 1982 [tape 1 of 2]
Box 7	Pickering , December 12, 1982 [tape 2 of 2]
Box 7	Pickering , August 4, 1983
Box 7	Porter , April 16, 1984 [tape 1 of 4]
Box 7	Porter , April 16, 1984 [tape 2 of 4]
Box 7	Porter , April 16, 1984 [tape 3 of 4]
Box 8	Porter , April 16, 1984 [tape 4 of 4]
Box 8	Purcell , October 28, 1982

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Box 8	Purcell , October 28, 1982 [tape 2 of 2]
Box 8	Rense , July 27, 1983 [tape 1 of 2]
Box 8	Rense , July 27, 1983 [tape 2 of 2]
Box 8	Roberts , 1956, 1966
Box 8	Roberts , July 28, 1983 [tape 1 of 6]
Box 8	Roberts , July 28, 1983 [tape 2 of 6]
Box 8	Roberts , July 28, 1983 [tape 3 of 6]
Box 8	Roberts , July 28, 1983 [tape 4 of 6]
Box 8	Roberts , July 28, 1983 [tape 5 of 6]
Box 8	Roberts , July 28, 1983 [tape 6 of 6]
Box 8	Roman, August 19, 1980 [tape 1 of 4]
Box 8	Roman, August 19, 1980 [tape 2 of 4]
Box 8	Roman , August 19, 1980 [tape 3 of 4]
Box 8	Roman , August 19, 1980 [tape 4 of 4]
Box 8	Roman , January 28, 1983
Box 9	Roman , February 2, 1983
Box 9	Rosen, March 25, 1983

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Box 9	Rosen , March 25, 1983 [tape 2 of 3]
Box 9	Rosen, March 25, 1983 [tape 3 of 3]
Box 9	Schorn, July 27, 1983
Box 9	Schwarzchild, June 18, 1982 [tape 1 of 3]
Box 9	Schwarzchild, June 18, 1982 [tape 2 of 3]
Box 9	Schwarzchild , June 18, 1982 [tape 3 of 3]
Box 9	Schwarzchild, August 3, 1991 [tape 1 of 2]
Box 9	Schwarzchild, August 3, 1991 [tape 2 of 2]
Box 9	Schwarzchild, August 26, 1991 [tape 1 of 4]
Box 9	Schwarzchild, August 26, 1991 [tape 2 of 4]
Box 9	Schwarzchild, August 26, 1991 [tape 3 of 4]
Box 9	Schwarzchild, August 26, 1991 [tape 4 of 4]
Box 9	Simpson, July 28, 1983 [tape 1 of 2]
Box 9	Simpson, July 28, 1983 [tape 2 of 2]
Box 10	Simpson, August 28, 1983 [tape 1 of 2]
Box 10	Simpson, August 28, 1983 [tape 2 of 2]
Box 10	Spitzer , June 17, 1982

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Box 10	Spitzer , June 17, 1982 [tape 2 of 3]
Box 10	Spitzer , June 17, 1982 [tape 3 of 3]
Box 10	Spitzer , November 27, 1991 [tape 1 of 2]
Box 10	Spitzer , November 27, 1991 [tape 2 of 2]
Box 10	Strand, December 8, 1983 [tape 1 of 3]
Box 10	Strand, December 8, 1983 [tape 2 of 3]
Box 10	Strand, December 8, 1983 [tape 3 of 3]
Box 10	Strand , January 3, 1984 [tape 1 of 2]
Box 10	Strand , January 3, 1984 [tape 2 of 2]
Box 10	Strong , April 20, 1984 [tape 1 of 3]
Box 10	Strong, April 20, 1984 [tape 2 of 3]
Box 10	Strong , April 20, 1984 [tape 3 of 3]
Box 10	Tape , December 19, 1983
Box 11	Tombaugh, February 17, 1982 [tape 1 of 2]
Box 11	Tombaugh, February 17, 1982 [tape 2 of 2]
Box 11	Tousey , November 17, 1981 [tape 1 of 2]
Box 11	Tousey , November 17, 1981

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Box 11	Tousey , January 8, 1982 [tape 1 of 2]
Box 11	Tousey , January 8, 1982 [tape 2 of 2]
Box 11	Tousey , April 6, 1982 [tape 1 of 3]
Box 11	Tousey , April 6, 1982 [tape 2 of 3]
Box 11	Tousey , April 6, 1982 [tape 3 of 3]
Box 11	Van Allen, June 12, 1981 [tape 1 of 2]
Box 11	Van Allen , June 12, 1981 [tape 2 of 2]
Box 11	Van Allen , June 18-22, 1982 [tape 1 of 4]
Box 11	Van Allen , June 18-22, 1982 [tape 2 of 4]
Box 11	Van Allen , June 18-22, 1982 [tape 3 of 4]
Box 11	Van Allen , June 18-22, 1982 [tape 4 of 4]
Box 12	Van Allen , July 15-16, 1981 [tape 1 of 3]
Box 12	Van Allen , July 15-16, 1981 [tape 2 of 3]
Box 12	Van Allen , July 15-16, 1981 [tape 3 of 3]
Box 12	Van Allen, July 28, 1981 [tape 1 of 2]
Box 12	Van Allen, July 28, 1981

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Box 12	Van Allen , August 6, 1981 [tape 1 of 2]
Box 12	Van Allen, August 6, 1981 [tape 2 of 2]
Box 12	Van Allen , March 4, 1986 [tape 1 of 2]
Box 12	Van Allen , March 4, 1986 [tape 2 of 2]
Box 12	Van Allen , March 6, 1986
Box 12	Wasserburg , December 16, 1982 [tape 1 of 2]
Box 12	Wasserburg , December 16, 1982 [tape 2 of 2]
Box 12	Wasserburg, December 22, 1982
Box 12	Webb , July 22, 1983
Box 12	Westphal, August 9, 1982 [tape 1 of 2]
Box 12	Westphal , August 9, 1982 [tape 2 of 2]
Box 12	Westphal , August 10, 1982 [tape 1 of 3]
Box 13	Westphal , August 10, 1982 [tape 2 of 3]
Box 13	Westphal, August 10, 1982 [tape 3 of 3]
Box 13	Westphal , August 12, 1982 [tape 1 of 2]
Box 13	Westphal , August 12, 1982 [tape 2 of 2]
Box 13	Westphal , August 14, 1982
Box 13	Westphal , September 14, 1982

Box 13 Wilshusen, December 7, 1983
 [tape 1 of 2]

Box 13 Wilshusen, December 7, 1983
 [tape 2 of 2]

Box 13 Withbroe , May 2, 1984
 [tape 1 of 2]

Box 13 Withbroe , May 2, 1984
 [tape 2 of 2]

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Series 2: Transcripts

Language: English.

Restrictions: Most of these transcripts are available to researchers though, restrictions are placed on a small number of them. Transcripts with user restrictions are highlighted in **bold** type.

Scope and Contents: Boxes 14-19 contain transcripts for these cassette tapes.

Box 14	Aaron, December 12, 1983 Notes: (restricted)
Box 14	Ball Brothers [Gablehouse and Dolder], January 13, 1982
Box 14	Ball Brothers [Bartoe, Dolder, Gablehouse, Gaiser and Mercure], July 26, 1983 Notes: (restricted)
Box 14	Bateson, May 16, 1985
Box 14	Baum, January 12, 1982
Box 14	Behring, April 7, 1982
Box 14	Bergstrahl, July 13, 1983
Box 14	Bergstrahl, August 1, 1983
Box 14	Bleach, May 11, 1984 Notes: (restricted)
Box 14	Brunk, July 21, 1983 Notes: (restricted)
Box 14	Code , September 30, 1982
Box 14	Drake , December 9, 1983 Notes: (restricted)
Box 14	Fastie , February 4, 1983
Box 14	Fraser, March 9, 1983
Box 14	Freier, March 1, 1984
Box 14	Friedman, June 7, 1983
Box 14	Friedman, September 2, 1983
Box 15	Frosch, October 6, 1981, July 10, 1981, August 19, 1981, July 23, 1981

	Notes: (restricted)
Box 15	Gianopolis, August 11, 1983 Notes: (restricted)
Box 15	Gold, September 30, 1983
Box 15	Goldberg , February 22, 1983
Box 15	Goldberg , August 9, 1983
Box 15	Goldberg , October 10, 1983
Box 15	Harwit and Kondracki, February 9, 1983, April 19, 1983, June 22, 1983, June 20, 1983
Box 15	Havens, October 6, 1983
Box 15	Hibbs , December 9, 1982
Box 15	Hinners , July 31, 1981 Notes: (restricted)
Box 15	Hinteregger, December 31, 1983 Notes: (restricted)
Box 15	Johnson, March 3, 1982
Box 16	Johnson, April 21, 1982
Box 16	Johnson, June 23, 1982 Notes: (restricted)
Box 16	Jursa, December 13, 1983
Box 16	Kohl, July 29, 1985 Notes: (restricted)
Box 16	Krause, August 10, 1982
Box 16	Krause , July 1, 1983
Box 16	Neir, March 1, 1984
Box 16	Neugebauer, August 12, 1982
Box 16	Neupert, July 9, 1981
Box 16	Newburn, March 31, 1983

Box 16	Newkirk, June 1, 1983
Box 16	Ney, February 29, 1984
Box 16	O'Dell, April 14, 1982, April 12, 1982 Notes: (restricted)
Box 16	O'Dell , December 15, 1982 Notes: (restricted)
Box 16	Pickering , December 14, 1982
Box 16	Pickering, August 4, 1983
Box 16	Porter , April 16, 1984
Box 16	Purcell, October 28, 1982
Box 17	Rense , July 27, 1983
Box 17	Roberts , July 26, 1983, July 27, 1983, July 28, 1983
Box 17	Roman, January 28, 1983, February 2, 1983
Box 17	Rosen, March 25, 1983 Notes: (restricted)
Box 17	Schneiderman, July 17, 1982 Notes: (restricted)
Box 17	Schorn, July 27, 1983
Box 17	Schwarzschild, June 18, 1982
Box 17	Schwarzschild, April 20, 1983
Box 17	Silberstein, July 28, 1983
Box 17	Simpson, July 28, 1983
Box 17	Spencer , December 22, 1986
Box 17	Spitzer, June 17, 1982
Box 17	Spitzer , November 27, 1991
Box 17	Strand, December 8, 1983

Box 18	Strand, January 3, 1984, December 8, 1983
Box 18	Strong, April 20, 1984
Box 18	Tape, December 19, 1983
Box 18	Tombaugh, February 17, 1982
Box 18	Tousey, November 17, 1981
Box 18	Tousey, April 6, 1982, January 8, 1982
Box 18	Tycz, September 16, 1982 Notes: (restricted)
Box 18	Van Allen, June 12, 1981, February 18, 1981, July 16, 1981, July 15, 1981, June 18, 1981, June 22, 1981, July 28, 1981, August 6, 1981
Box 19	Wasserburg, December 16, 1982, December 22, 1982 Notes: (restricted)
Box 19	Webb , July 22, 1983
Box 19	Westphal , August 9, 1982, August 12, 1982, September 14, 1982
Box 19	Whitsett, April 9, 1982 Notes: (restricted)
Box 19	Withbroe, May 2, 1984 Notes: (restricted)

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