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Collection Overview

Repository:	Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu
Title:	David H. DeVorkin Papers
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Administrative Information

Preferred Citation

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Descriptive Entry

This accession consists of the papers of David H. DeVorkin, Curator in the Space History Division at the National Air and Space Museum, 1981- , with earlier records dating from when he was assistant professor of astronomy at Central Connecticut State College, as well as during the years he attended high school and college. DeVorkin specializes in the origins and development of modern astrophysics and the space sciences, and is involved in professional societies that include the American Astronomical Society, the History of Science Society, and the Astronomical Society of the Pacific. The papers primarily document DeVorkin's scientific articles, lectures, planetarium programs, research, professional society activities, and preparation of his own books such as "Science with a Vengeance: How the Military Created the US Space Sciences after World War II" and "Henry Norris Russell: Dean of American Astronomers." Materials include correspondence, memoranda, and notes; articles; book reviews; clippings; agreements; lecture papers and presentation material; press releases; meeting agendas; information about committees, conferences, symposiums, and workshops; manuscripts; audiotape recordings; photographs, slides, and negatives; course outlines; proposals; and supporting documentation. Some materials are in electronic format.

Names and Subject Terms

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

Subjects:

- Aeronautical museums
- Astronautical museums
- Astronomy
- Astrophysics
- Committees
- Congresses and conventions
- Lectures and lecturing
- Museum curators
- Professional associations
- Publications
- Science -- History

Types of Materials:

- Audiotapes
- Black-and-white negatives
- Black-and-white photographs
- Black-and-white transparencies
- Clippings
- Color photographs
- Compact discs
- Electronic records
- Floppy disks
- Manuscripts

Names:

- American Astronomical Society
- Astronomical Society of the Pacific
- Central Connecticut State College
- DeVorkin, David H., 1944-
- History of Science Society
- National Air and Space Museum (U.S.). Space History Division

Preferred Titles:

- Henry Norris Russell: Dean of American Astronomers (Monograph : 2000)*
- Science with a Vengeance: How the Military Created the US Space Sciences after World War II (Monograph : 1992)*

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- Box 12 of 21 Early Manuscripts: "The Harvard Summer School in Astronomy," 1979 (2 folders)
- Box 12 of 21 Notes in Literature on Harvard Summer School in Astronomy
- Box 12 of 21 Correspondence and Notes regarding "The Harvard Summer School in Astronomy," 1983-1984
- Box 12 of 21 Early X-ray Publications and Information, circa 1962-1982 (includes audiotape)
- Box 12 of 21 David H. DeVorkin: "The A. D. 1006 Puzzle"

Box 13

- Box 13 of 21 Publications and Research Notes regarding the A. D. 1006 Supernova, 1965-1982

- Box 13 of 21 Correspondence regarding "The A. D. 1006 Puzzle," 1982-1983
- Box 13 of 21 David H. DeVorkin: "Community and Spectral Classification in Astrophysics: The Acceptance of E. C. Pickering's System in 1910," 1981
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- Box 13 of 21 Panel on the Atmosphere
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- Box 13 of 21 Green and Lomosk Problem
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- Box 13 of 21 Priorities for Space Research, 1971-1980
- Box 13 of 21 International Geophysical Year (IGY) Rocket Program, 1957-1961
- Box 13 of 21 IGY Proposals for Vanguard Experiments, 1981
- Box 13 of 21 Ernst H. Krause: "High-Altitude Research with V-2 Rockets," 1948
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- Box 13 of 21 Upper Atmosphere Research Program, 1946-1947
- Box 13 of 21 Peter van de Kamp, 1945-1947
- Box 13 of 21 Second World War Research Notes

Box 13 of 21	Telemetry
Box 13 of 21	Aerobee Era Spectrographs and Rocket (1950s-early 1960s)
Box 13 of 21	V-2 Era Spectrographs of Sun, 1946-1948
Box 13 of 21	Transition: Sounding Rockets to Satellites
Box 13 of 21	Project Hermes, 1982
Box 13 of 21	Photographic v. PE, 1984
Box 13 of 21	Sir Harrie S. W. Massey
Box 13 of 21	Publishers (general), 1983-1986
Box 13 of 21	Design of the NRL Spectrograph
Box 13 of 21	NRL Group Structures and Rationale
Box 13 of 21	John E. Naugle Interview and Notes, 1980
Box 13 of 21	Richard Silberstein: "Proposal for the Use of Rockets for the Study of the Ionosphere," 1945
Box 13 of 21	Rocket Design Problems and Technical Choices
Box 13 of 21	Early Serious Proposals for Use of Rockets
Box 13 of 21	Plans for Scientific Use of the V-2 Rocket (1945-1946)
Box 13 of 21	Pre-Rocket V-2 Era and Identification of Scientific Problems
Box 13 of 21	V-2 Rocket: "Conclusions" Chapter
Box 13 of 21	Scientific Results of NRL Rocket Sonde Branch Program (1946-1957)
Box 13 of 21	Research Notes (general)
Box 13 of 21	National Aeronautics and Space Administration (NASA) History Office: V-2 Rocket
Box 13 of 21	Materials, 1969-1984
Box 13 of 21	NRL Rocket Program: Budget and Cost, 1947-1948
Box 13 of 21	Causes of the Ionosphere
Box 13 of 21	United States Navy Upper Atmosphere Laboratory (B-29) Project, 1946-1947
Box 13 of 21	Earth Satellites as Research Vehicles, 1956

Box 13 of 21 William S. Ripley: "U. S. Rocket Research of the Upper Atmosphere: A Tabulation and Bibliography," 1955

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Box 14 of 21 Sun Followers and Star Trackers

Box 14 of 21 V-2 Rocket: Uses of Science by the Military, 1985

Box 14 of 21 Fred L. Whipple, 1946-1954

Box 14 of 21 David H. DeVorkin: "Observing the Sun from a Rocket," 1985-1986

Box 14 of 21 V-2 Rocket and Space Science Research: Correspondence, Notes, and Publications

Box 14 of 21 Michael J. Neufeld

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Box 14 of 21 V-2 Rocket Science Book, 1986

Box 14 of 21 Requests to Review "Science with a Vengeance" Manuscript, 1990

Box 14 of 21 "Science with a Vengeance" Reader Reviews and Correspondence, 1990-1991 (8 folders)

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Box 15 of 21 "Science with a Vengeance" Reader Reviews and Correspondence, 1990-1991 (17 folders)

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Box 16 of 21 "Science with a Vengeance" Reader Reviews and Correspondence, 1990-1991 (5 folders)

Box 16 of 21 "Science with a Vengeance" Manuscript, 1991 (4 folders)

Box 16 of 21 Tom Gehrels and Tom von Foerster: "Science with a Vengeance" Reviews and Correspondence, 1990-1991 (3 folders)

Box 16 of 21 Thomas Starkweather, 1989

Box 16 of 21 Lyman Spitzer, Jr., 1990

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Box 16 of 21 Henry Norris Russell Biography Proposal to the National Science Foundation (NSF) and Princeton University, 1977-1979

Box 16 of 21 Henry Norris Russell Biography: Revised, 1979

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Box 17 of 21 Princeton University Library, 1974-1977

Box 17 of 21 Henry Norris Russell Papers: Finding Aid, 1975-1976

Box 17 of 21 Henry Norris Russell Papers: Transcribed Material Examined, 1974-1976

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Box 17 of 21 Dudley Observatory Herbert C. Pollock Award Committee, 1990-1991

Box 17 of 21 Ralph Kenat, 1982-1984

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Box 17 of 21 Potential Publishers for the Henry Norris Russell Biography, 1994-1996

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Box 17 of 21 Princeton University, Department of Astronomy, 1978

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Box 17 of 21 Peggy Kidwell, 1979

Box 17 of 21 Items Removed from Correspondence File

- Box 17 of 21 C. A. Young: "The Princeton Eclipse Expedition to Wadesboro, North Carolina," 1900
- Box 17 of 21 Morrison Lecture, April 2000
- Box 17 of 21 George Washington University (GWU) Lecture: Henry Norris Russell, April 2000
- Box 17 of 21 ASP Lecture: "Henry Norris Russell's Encounter with Eros"
- Box 17 of 21 Institute for Advanced Study (IAS) Lecture: Henry Norris Russell, 1991-1992
- Box 17 of 21 Carnegie Institution of Washington (CIW) Lecture: "A Fox Raiding the Hedgehogs: Henry Norris Russell at Mount Wilson," June 1992
- Box 17 of 21 David H. DeVorkin: "A Fox Raiding the Hedgehogs: Henry Norris Russell at Mount Wilson," 1992
- Box 17 of 21 Harvard University Lecture, December 1992
- Box 17 of 21 AAS Lecture (Atlanta, Georgia): Henry Norris Russell Evolution, January 13, 1991
- Box 17 of 21 Adler Lecture: "A Young Man in a Hurry: Henry Norris Russell's technique of Hypothetical Parallaxes," June 6, 1992
- Box 17 of 21 HSS Annual Meeting Lecture: "He Knew a Good Thing When he Saw It," December 1992
- Box 17 of 21 "Russell Travels West" Lecture
- Box 17 of 21 American Physical Society (APS) Meeting, April 1987
- Box 17 of 21 American Association for the Advancement of Science (AAAS) Symposium Lecture: "Collegiality, Observatory Culture and American Astronomy, 1880-1940," 2001
- Box 17 of 21 American Geophysical Union (AGU), Gregory A. Good, 1992-1993
- Box 17 of 21 HSS Crucibles Lecture, October 25, 1995
- Box 18
- Box 18 of 21 Nobel Prize in Physics (December 1937), 1997
- Box 18 of 21 "Henry Norris Russell: American Astrophysicist" Lecture, 1997
- Box 18 of 21 Lecture Transparencies
- Box 18 of 21 IAU Meeting Lecture, 1994
- Box 18 of 21 APS Lecture about A. A. Michelson, 1994

- Box 18 of 21 AAS Lecture (San Diego, California), Russell Diagram, January 2001
- Box 18 of 21 "Beyond the Observatory" Lecture (Chicago, Illinois), 1999
- Box 18 of 21 Russell Biography: General Research Publications, Correspondence and Notes, 1998-1999
- Box 18 of 21 Henry Norris Russell Biography: Reader Reviews and Correspondence, 1995-1999 (11 folders)

Box 19

- Box 19 of 21 Henry Norris Russell Biography: Reader Reviews and Correspondence, 1995-1999 (14 folders)
- Box 19 of 21 Harlow Shapley

Box 20

- Box 20 of 21 Harlow Shapley
- Box 20 of 21 Donald Menzel (2 folders)
- Box 20 of 21 Russell Diagram
- Box 20 of 21 Michelson Interferometer
- Box 20 of 21 David H. DeVorkin: "Astronomer in Transition: Henry Norris Russell and Quantitative Astrophysics," 1988-1989 (2 folders)
- Box 20 of 21 David H. DeVorkin and Ralph Kenat: "A Reconnaissance of New Territory: Henry Norris Russell and the Composition of the Sun's Atmosphere," 1982 (5 folders)
- Box 20 of 21 David H. DeVorkin and Ralph Kenat: "Quantum Physics and the Stars I: The Establishment of a Stellar Temperature Scale," 1983
- Box 20 of 21 David H. DeVorkin and Ralph Kenat: "Quantum Physics and the Stars II: Henry Norris Russell and the Abundance of the Elements in the Atmospheres of the Sun and Stars," 1983
- Box 20 of 21 Ralph Kenat Correspondence, 1980
- Box 20 of 21 David H. DeVorkin and Ralph Kenat: "Quantum Physics and the Stars III: Towards a Rational Theory of Stellar Spectra," 1989

Box 21

- Box 21 of 21 David H. DeVorkin and Ralph Kenat: "Quantum Physics and the Stars III: Towards a Rational Theory of Stellar Spectra," 1989 (3 folders)

Box 21 of 21

Sonneborn (includes audiotapes)

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Supernova 1987A Lecture, 1987 (includes audiotapes)