



Smithsonian
National Air and Space Museum

Willy Ley Papers, 1859-1969, bulk 1930-1969

Mark Kahn

2004



National Air and Space Museum Archives
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Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Willy Ley Papers
Identifier:	NASM.XXXX.0098
Date:	1859-1969 (bulk 1930-1969)
Extent:	48.29 Cubic feet (107 Boxes)
Creator:	Ley, Willy, 1906-1969
Language:	English
Summary:	This collection consists of Willey Ley's personal files, including his business correspondence, book contracts, and galley proofs, as well as publicity concerning Dr. Ley and his activities, and inquiries and comments from Ley's readership during his tenure as columnist for Galaxy Magazine (1952-1969). The material also includes articles gathered by Ley on topics ranging from astronomy and space travel to biology and natural parks to mythology, psychic phenomena, and UFOs.

Administrative Information

Acquisition Information

Willy Ley Estate, Purchase, unknown, XXXX-0098, not NASM

Other Finding Aids

http://www.nasm.si.edu/research/arch/findaids/ley/ley_frames.html

Other Finding Aids

http://www.nasm.si.edu/research/arch/findaids/pdf/Willy_Ley_Papers.pdf

Restrictions

No restrictions on access

Biographical Note

Willy Ley was a world-renown expert in and proponent of rocketry and space travel. Born in Berlin, Germany on October 2, 1906, Ley attended the Universities of Berlin and Konigsberg and studied astronomy, paleontology, zoology and physics. Beyond these studies however, he developed a passionate interest in rocketry and its potential applications for space travel. Accordingly, he wrote and published

his first book, *Die Fahrt in den Weltraum* (Travel in Outer Space) in 1926 and helped found Germany's early rocketry and spaceflight club, Verein für Raumschiffahrt or VfR (Society for Space Travel) the following year. In 1929, Ley, along with well-known rocketry theorist Hermann Oberth, acted as a technical consultant on Fritz Lang's film, *Frau im Mond* (Woman in the Moon). Throughout the late 1920s and early 1930s, he continued to write books, as well as numerous articles in German and foreign publications, on the subject of rockets and spaceflight. Once Adolf Hitler took power in 1933, the Nazis pressured Ley to cease publishing his articles in foreign journals and magazines due to rocketry's potential as a weapon in Germany's arsenal. Also, the VfR disbanded during the Nazis' first year in power amid concerns among the membership regarding the interest the German military was taking in their activities. These factors compelled Ley to leave Germany for Britain briefly and then to the U.S. in 1935. He became an American citizen in 1944.

Until World War II, Ley focused his writing career on topics unrelated to rocketry and space travel. He discovered little interest in these fields among the U.S. public. He was successful though, with a number of non-space publications such as *Salamanders and Other Wonders* and *The Lungfish, the Dodo and the Unicorn*. From 1940-44, Ley was science editor of the New York newspaper, *PM* and later lectured as a professor at Fairleigh Dickinson University in New Jersey. He was also a regular contributor to a myriad of magazines, encyclopedias and digests such as *Popular Mechanics*, *Cowles Encyclopedia* and *Galaxy*. However, once World War II began and especially after Germany launched V-2 missile attacks on Britain in 1944, Ley found himself in great demand as an expert in rocketry. Following the end of the war, his writings, lectures and newspaper, radio and television interviews helped to spur even greater public interest in rockets and their potential for space flight. Additionally, his books on this subject were widely read in the U.S. and around the world. First published in 1944, *Ley's Rockets, Missiles, & Space Travel* enjoyed a great deal of popularity and justified numerous printings of revised editions. Other highly successful titles that Ley produced during the 1950s and 1960s included *The Conquest of Space*, *The Conquest of the Moon* (written with Wernher von Braun and astronomer Fred Whipple) and *Beyond the Solar System*. Ley, along with von Braun, artist Chesley Bonestell and others, collaborated on a series of space-themed issues of *Collier's* (1952-54) that helped to foster popular support for future U.S. missions to earth orbit, the moon and the planets.

Aside from his busy career as a prolific author and populizer of rockets and space travel, Ley was also a husband and father of two children. His wife, Olga, was an accomplished ballet dancer, model and author in her own right. The couple had two daughters, Sandra and Xenia. Ley had hoped to attend the Apollo 11 launch at the Kennedy Space Center in Florida but died of a heart attack at his home in Jackson Heights, New York, on June 24, 1969. His death came only four weeks before the launch of mankind's first landing on the moon's surface.

<i>1906 October 2</i>	Ley born in Berlin, Germany
<i>1920 January 11</i>	Smithsonian Institution publishes <i>A Method of Reaching Extreme Altitudes</i> , a pamphlet written by U.S. rocket scientist Dr. Robert H. Goddard
<i>1923</i>	Romanian rocket scientist Hermann Oberth publishes short book, <i>Die Rakete zu den Planetenraumen</i> (The Rocket into Planetary Space)
<i>1926</i>	Ley writes and publishes first book, <i>Die Fahrt in den Weltraum</i> (Travel in Outer Space)
<i>1926 March 16</i>	Goddard successfully launches first liquid-fueled rocket in Auburn, Massachusetts
<i>1927 July 5</i>	Ley helps found Germany's early rocketry and space travel club, Verein für Raumschiffahrt or VfR (Society for Space Travel)

1929	Ley (along with Oberth) acts as a technical consultant for Fritz Lang film, <i>Frau im Mond</i> (Woman in the Moon)
1933 January 30	Adolf Hitler becomes chancellor of Germany
1935	Russian rocket scientist Konstantin Tsiolkovsky dies
1935	Ley leaves Germany for Britain and then to the U.S.
1939 September 1	Germany invades Poland – World War II begins
1940	Ley begins stint as science editor of New York newspaper, PM
1942 October 3	First successful launch of Nazi V-2 (A-4) rocket, Peenemunde, Germany
1944	Ley becomes a U.S. citizen
1944	Ley publishes first edition of book, <i>Rockets</i> (book would eventually see many revised editions and renamed <i>Rockets, Missiles, & Space Travel</i>)
1944 September 7-8	First V-2 rocket attacks on London and Paris
1945 May 8	Germany surrenders to Allies
1945 August 10	Goddard dies
1945 September 2	Japan surrenders to Allies
1945 September 29	Wernher von Braun and other captured German rocket scientists are taken to the U.S.
1945 October	Arthur C. Clarke first proposes concept of communication satellites in <i>Wireless World</i> magazine
1946 April 16	First successful launch by the U.S. of a captured V-2
1950	Ley publishes book, <i>The Conquest of Space</i>
1952	Ley collaborates with von Braun, artist Chesley Bonestell and others on a series of space-themed issues of <i>Collier's</i>
1953	Ley collaborates with von Braun and Fred Whipple and publishes book, <i>The Conquest of the Moon</i>
1957 October 4	Russia's successful launch of first artificial satellite, Sputnik 1
1958 January 31	Successful launch of first U.S. artificial satellite, Explorer 1
1961 April 12	Russia's successful launch of first human into space, Yuri Gagarin aboard Vostok 1
1961 May 5	Successful launch of first U.S. astronaut into space, Alan Shepard aboard Mercury-Redstone 3 (Freedom 7)
1964	Ley collaborates with Bonestell and publishes book, <i>Beyond the Solar System</i>
1969 June 24	Ley dies at his home in Jackson Heights, New York
1969 July 16-24	Flight of Apollo 11 succeeds in landing U.S. astronauts on the moon

Scope and Contents

The Willy Ley Collection reflects Ley's broad, restless curiosity about the world around him. However, the main thrust of this material emphasizes his intense interest in the aerospace field. Ley's significant contributions as a great proponent, theorist and historian of rocketry and space travel are quite evident in this collection.

For the most part, the collection encompasses the years Ley spent in the U.S., roughly, from the mid 1930s to his death in 1969. Accordingly, very little pertaining to Ley's time in the VfR is found here. This wide array of materials was sold to the Smithsonian Institution's National Air and Space Museum (NASM) by Ley's widow, Olga, in 1970.⁽¹⁾ Later that year, NASM personnel traveled to Ley's home in New York to transfer this collection to the museum. They were careful to maintain the overall order of the collection which reflects its original organizational structure, as well as the research techniques and thinking processes of Ley himself.

The collection of materials listed in the finding aid is arranged into four series. The first series is composed of personal materials that include correspondence, book and article contract materials, galley proofs, manuscript and article drafts, notes, articles, lecture invitations and brochures, photographs, drawings, travel and war-time memorabilia, newspaper and press clippings, book reviews, personal bills and receipts, business cards, children's' report cards and Christmas cards. The materials of this series range in date from the early 1930s to 1969. Except for moving this series to the beginning of the collection, original order was maintained. Additionally, original folder titles were retained (as they were for the rest of the collection). Correspondence, book/article contracts materials, research notes, articles, newspaper and press clippings and miscellaneous personal materials are arranged chronologically while the manuscript drafts, galley proofs and book reviews are organized alphabetically by title.

The second series comprises the bulk --about two-thirds, of the Willy Ley Collection. This series, the aerospace subject files, ranges in date from the late 1800s to 1969, and covers the following topics: biography (Ley and others), aviation, inventions, astronomy, space travel, rockets, artificial satellites, manned space flight, ground support and rocket test centers. The folders include correspondence, photographs, notes, reports, brochures, pamphlets, magazines, articles and newspaper clippings. Original order was maintained for this series. The materials are organized by subject.

The third series consists of printed materials. This series ranges in date from the early 1950s to 1970 and includes various publications (newsletters, pamphlets, journals, reports, directories, magazines and books). Also included are article and newspaper clippings. Ley organized the newsletters by title and then chronologically.

The fourth and final series of this collection contains non-aerospace subject files. Ley's certificates, citations and a scrapbook are found in this series. The certificates and citations are for Ley's civic and professional achievements. The scrapbook contains miscellaneous newspaper clippings regarding rocketry and space travel (in English and German) from the 1930s and 1940s. However, this series, ranging in date from the early 1900s to 1969, mainly encompasses materials not directly related to aviation, rocketry or space travel. Original order was maintained for this series. The materials are organized by subject.

The researcher should note that all the folders (except for those of Series 4) are numbered. This numbering system reflects an effort by NASM's Department of Space History in 1970 to create a rough catalog of the Willy Ley Collection as it was being moved to the museum. Though now obsolete as an index, these penciled numbers were retained and are written in the upper right corner of the folders.

Endnotes: 1. That same year, Mrs. Ley also sold her husband's collection of books and journals to the University of Alabama at Huntsville. Currently, it is known as the Willy Ley Memorial Collection and resides

at the University's library. Wernher von Braun and NASA Saturn launch vehicle program manager Arthur Rudolph participated in the dedication ceremony in 1971.

Arrangement

- Series 1: Personal Materials
 - Series 2: Aerospace Subject Files
 - Series 3: Printed Materials
 - Series 4: Non-Aerospace Subject Files
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List of Acronyms

AFB

Air Force Base

ARCAS

All-Purpose Rocket for the Collection of Atmospheric Soundings

AS

Apollo-Saturn [spacecraft-launch vehicle stack]

ELDO

European Launcher Development Organization

GALCIT

Guggenheim Aeronautical Laboratory of the California Institute of Technology

GAPA

Ground-to-Air Pilotless Aircraft

GT

Gemini-Titan [spacecraft-launch vehicle stack]

HASP

High Altitude Sounding Projectile

IMP

Interplanetary Monitoring Platform [satellite]

JPL

Jet Propulsion Laboratory [Pasadena, California]

MA

Mercury-Atlas [spacecraft-launch vehicle stack]

MOL

Manned Orbiting Laboratory

NACA

National Advisory Committee for Aeronautics

NACA RM

National Advisory Committee for Aeronautics, Research Memorandum

NACA TM

National Advisory Committee for Aeronautics, Technical Memorandum

NARTS

Naval Air Rocket Test Station

NACA TN

National Advisory Committee for Aeronautics, Technical Note

NASA

National Aeronautics and Space Administration

OGO

Orbiting Geophysical Observatory
OSO
Orbiting Solar Observatory
PET
Propulsion, Experimental
RAT
Rocket-Assisted Torpedo
UFO
Unidentified Flying Object
USSR
Union of Soviet Socialist Republics
VfR
Verein für Raumschiffahrt [Society for Space Travel]

General

Other material: Skin sample from Echo-series satellites.

Names and Subject Terms

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

Subjects:

Periodicals
Rocketry
Rockets (Aeronautics)
Space flight
Works of art

Types of Materials:

Correspondence
Financial records
Manuscripts
Photographs
Publications

Names:

American Interplanetary Society
American Rocket Society
Ley, Willy, 1906-1969
National Aeronautics and Space Administration

Container Listing

Series 1: Personal Materials

This series includes personal and business correspondence, book and article contract materials, galley proofs, manuscript and article drafts, notes, articles, lecture invitations and brochures, photographs, drawings, travel and war-time memorabilia, newspaper clippings, book reviews, personal bills and receipts, business cards, report cards from his children and Christmas cards. Correspondence, book/article contracts materials, research notes, articles, newspaper and press clippings and miscellaneous personal materials are arranged chronologically while the manuscript drafts, galley proofs and book reviews are organized alphabetically by title.

- 1.1: Correspondence
- 1.2: Book/Article Contract Materials
- 1.3: Galley Proofs For Ley Book Projects
- 1.4: Drafts Of Manuscripts, Articles And Lectures
- 1.5: Notes
- 1.6: Articles
- 1.7: Lecture Invitations, Photographs And Brochures
- 1.8: Miscellaneous Materials (Drawings, Maps, Travel And War-Time Memorabilia)
- 1.9: Newspaper And Press Clippings
- 1.10: Reviews Of Ley Books
- 1.11: Personal Bills, Receipts And Address Cards
- 1.12: Miscellaneous Personal Materials Regarding Ley's Wife, Children And Mother-In-Law

1.1: Correspondence

Box 1, Folder 1	Correspondence, 1945-49
Box 1, Folder 2	Correspondence from aerospace and science fiction notables, 1947-69
Box 1, Folder 3	Correspondence, 1949-56
Box 1, Folder 4	Correspondence, 1950-51
Box 1, Folder 5	Correspondence, 1950-55
Box 1, Folder 6	Correspondence, 1952-53
Box 1, Folder 7	Correspondence, 1955-56
Box 1, Folder 8	Correspondence, 1956-62
Box 2, Folder 1	Correspondence, 1956-67
Box 2, Folder 2	Correspondence, 1957
Box 2, Folder 3	Correspondence, 1957-65
Box 2, Folder 4	Correspondence, 1958

Box 2, Folder 5	Correspondence, 1959
Box 2, Folder 6	Correspondence, 1960
Box 2, Folder 7	Correspondence, 1960-62
Box 2, Folder 8	Correspondence, 1961
Box 3, Folder 1	Correspondence, 1961-67
Box 3, Folder 2	Correspondence, 1962
Box 3, Folder 3	Correspondence, 1964-69
Box 3, Folder 4	Correspondence, 1968-69
Box 3, Folder 5	Correspondence, 1968-69
Box 3, Folder 6	Correspondence, 1969
Box 3, Folder 7	Correspondence, undated

1.2: Book/article contracts materials are arranged chronologically.

Box 4, Folder 1	Book/article contracts, miscellaneous, 1935-67
Box 4, Folder 2	Book/article contracts, miscellaneous, 1945-65
Box 4, Folder 3	Book/article contracts, miscellaneous, 1953-67
Box 4, Folder 4	Book/article contracts, Viking Press, Inc., 1957-67
Box 4, Folder 5	Book/article contracts, Vox Productions, 1958
Box 4, Folder 6	Book/article contracts, Monastra, Inc., 1959-60
Box 4, Folder 7	Book/article contracts, University of Chicago Press, 1962-65
Box 4, Folder 8	Book/article contracts, MacMillan Company, 1963
Box 4, Folder 9	Book/article contracts, Charles Scribner's Sons, 1964
Box 4, Folder 10	Book/article contracts, Doubleday & Company, 1967
Box 4, Folder 11	Book/article contracts, MacGraw-Hill Book Company, 1967
Box 4, Folder 12	Book/article contracts, Weybright & Talley, Inc., 1967

1.3: Galley proofs for Ley book projects are arranged alphabetically by title.

Box 5, Folder 1	Galley proofs, Another Look at Atlantis, 1969 [1 of 2]
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Box 5, Folder 2 Galley proofs, Another Look at Atlantis, 1969 [2 of 2]
 Box 5, Folder 3 Galley proofs, Events in Space, 1969 [1 of 2]
 Box 5, Folder 4 Galley proofs, Events in Space, 1969 [2 of 2]
 Box 5, Folder 5 Galley proofs, Inside the Orbit of Earth, 1968
 Box 5, Folder 6 Galley proofs, The Meteorite Craters, 1968 [1 of 3]
 Box 6, Folder 1 Galley proofs, The Meteorite Craters, 1968 [2 of 3]
 Box 6, Folder 2 Galley proofs, The Meteorite Craters, 1968 [3 of 3]
 Box 6, Folder 3 Galley proofs, untitled book on space, undated

1.4: Drafts of articles, manuscripts and lectures are arranged by title, then chronologically.

Box 6, Folder 4 Carbon copy draft, Continental Drift, undated
 Box 6, Folder 5 Drafts, Exploration of Space (Realm of Science series), 1961-66
 Box 6, Folder 6 Carbon copy drafts of unpublished articles for Galaxy magazine, 1969
 Box 6, Folder 7 Carbon copy draft, The Gas Giants, undated
 Box 6, Folder 8 Carbon copy draft, If series articles, undated
 Box 6, Folder 9 Carbon copy drafts, Moon Book Project, undated
 Box 7, Folder 1 Drafts, miscellaneous manuscripts, 1965-68
 Box 7, Folder 2 Drafts, miscellaneous book chapters and articles, undated
 Box 7, Folder 3 Drafts, miscellaneous book chapters, articles and lectures, undated
 Box 7, Folder 4 Drafts, miscellaneous book chapters and articles, undated
 Box 7, Folder 5 Drafts, obsolete and unpublished articles, undated

1.5: Ley's research, lecture and library notes are arranged chronologically.

Box 7, Folder 6 Library notes, 1948-58
 Box 7, Folder 7 Notes for Project Outer Space with Chesley Bonestell (includes correspondence with Bonestell), 1952-64
 Box 8, Folder 1 Notes for Kosmos article, 1960

Box 8, Folder 2	Miscellaneous notes, notebooks and drawings, 1962
Box 8, Folder 3	Miscellaneous notes and manuscripts on astronomy and space travel, 1962-69
Box 8, Folder 4	General lecture notes, 1965-67
Box 8, Folder 5	Notes, Golenpaul (book attempt not carried out), 1966-69
Box 8, Folder 6	Notes, 1968
Box 8, Folder 7	Miscellaneous notes and notebooks, undated
Box 8, Folder 8	Miscellaneous notes and tables for articles, undated

1.6: Articles written by Ley are arranged chronologically.

Box 8, Folder 9	Miscellaneous articles, 1932-68
Box 8, Folder 10	Galaxy articles, 1956-65
Box 9, Folder 1	Cowles Encyclopedia articles, 1965
Box 9, Folder 2	Collier's Encyclopedia space articles reviewed by Ley, 1965-69

1.7: Lecture invitations, photographs and brochures are arranged chronologically.

Box 9, Folder 3	Miscellaneous lecture invitations, 1961-69
Box 9, Folder 4	Miscellaneous lecture invitations, 1962-69
Box 9, Folder 5	Lecture photographs and brochures, Denver space symposium, 1963

1.8: Miscellaneous materials include drawings, maps, travel and war-time memorabilia and photographs featuring Ley.

Box 9, Folder 6	Drawings by Ley, undated
Box 9, Folder 7	Drawings by Ley, undated
Box 9, Folder 8	Drawings for books, etc., by Ley, undated
Box 9, Folder 9	Maps and map drawings by Ley, undated
Box 9, Folder 10	Photographs, special occasions with Ley, 1963-67
Box 9, Folder 11	Photographs and portraits of Ley, undated
Box 10, Folder 1	Miscellaneous travel and war-time materials (also includes register signed by People who visited Ley family after Willy's death in 1969), 1935-69

1.9: Newspaper and press clippings featuring Ley are arranged chronologically. This also includes newsletters, brochures and programs featuring Lee.

Box 10, Folder 2	Newspaper and press clippings featuring Ley, 1929-44
Box 10, Folder 3	Newspaper and press clippings featuring Ley, 1951-56 [1 of 8]
Box 10, Folder 4	Newspaper and press clippings featuring Ley, 1951-56 [2 of 8]
Box 10, Folder 5	Newspaper and press clippings featuring Ley, 1951-56 [3 of 8]
Box 10, Folder 6	Newspaper and press clippings featuring Ley, 1951-56 [4 of 8]
Box 11, Folder 1	Newspaper and press clippings featuring Ley, 1951-56 [5 of 8]
Box 11, Folder 2	Newspaper and press clippings featuring Ley, 1951-56 [6 of 8]
Box 11, Folder 3	Newspaper and press clippings featuring Ley, 1951-56 [7 of 8]
Box 11, Folder 4	Newspaper and press clippings featuring Ley, 1951-56 [8 of 8]
Box 11, Folder 5	Newspaper and press clippings featuring Ley, 1957-60 [1 of 4]
Box 11, Folder 6	Newspaper and press clippings featuring Ley, 1957-60 [2 of 4]
Box 12, Folder 1	Newspaper and press clippings featuring Ley, 1957-60 [3 of 4]
Box 12, Folder 2	Newspaper and press clippings featuring Ley, 1957-60 [4 of 4]
Box 12, Folder 3	Newspaper and press clippings featuring Ley, 1957-61 [1 of 2]
Box 12, Folder 4	Newspaper and press clippings featuring Ley, 1957-61 [2 of 2]
Box 12, Folder 5	Newsletters, brochures, programs and drawing featuring Ley, 1957-62
Box 12, Folder 6	Newspaper and press clippings featuring Ley, 1958-62 [1 of 2]
Box 13, Folder 1	Newspaper and press clippings featuring Ley, 1958-62 [2 of 2]
Box 13, Folder 2	Newspaper and press clippings featuring Ley, 1959-64 [1 of 4]
Box 13, Folder 3	Newspaper and press clippings featuring Ley, 1959-64 [2 of 4]
Box 13, Folder 4	Newspaper and press clippings featuring Ley, 1959-64 [3 of 4]
Box 13, Folder 5	Newspaper and press clippings featuring Ley, 1959-64 [4 of 4]
Box 13, Folder 6	Newspaper and press clippings featuring Ley, 1959-65
Box 13, Folder 7	Newspaper and press clippings featuring Ley, 1961

1.10: Reviews of Ley books are arranged alphabetically by title.

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|------------------|---|
| Box 14, Folder 1 | Reviews (German), A History of Astronomy from Babylon to the Space Age, 1965 |
| Box 14, Folder 2 | Reviews (German), A History of Astronomy from Babylon to the Space Age, 1966-67 |
| Box 14, Folder 3 | Reviews, Watchers of the Skies, 1963-64 |

1.11: Personal Bills, Receipts And Address Cards

Miscellaneous personal bills, receipts, correspondence, business and address cards are arranged chronologically

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|------------------|---|
| Box 14, Folder 4 | Miscellaneous receipts, bills, business cards and correspondence, 1957-65 |
| Box 14, Folder 5 | Miscellaneous receipts, 1959-66 [1 of 2] |
| Box 14, Folder 6 | Miscellaneous receipts, 1959-66 [2 of 2] |
| Box 14, Folder 7 | Miscellaneous receipts and correspondence, 1961-69 |
| Box 14, Folder 8 | Miscellaneous business and address cards, n.d. [1 of 2] |
| Box 15, Folder 1 | Miscellaneous business and address cards, n.d. [2 of 2] |

1.12: Miscellaneous Personal Materials Regarding Ley's Wife, Children And Mother-In-Law

Miscellaneous personal materials regarding Ley's wife (Olga), two daughters (Sandra and Xenia) and his wife's mother (Dr. Maria Feldman) are arranged chronologically. This material includes correspondence, articles and newspaper clippings, photographs, Christmas cards, the children's report cards, articles and brochures.

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|------------------|--|
| Box 15, Folder 2 | Articles and newspaper clippings featuring Olga Ley, 1938-54 |
| Box 15, Folder 3 | Articles and brochures featuring Olga Ley and dance, 1940-45 |
| Box 15, Folder 4 | Manuscript mailings list, Olga Ley, 1947-53 |
| Box 15, Folder 5 | Miscellaneous report cards, certifications, brochures and magazines, Xenia Ley, 1947-59 |
| Box 15, Folder 6 | Miscellaneous report cards, certificates, photographs and newspaper clippings, Sandra Ley, 1950-58 |
| Box 15, Folder 7 | Miscellaneous correspondence, receipts and notes regarding Dr. Maria Feldman, 1956-57 |
| Box 15, Folder 8 | Christmas cards, Olga Ley, n.d. [1 of 2] |

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|------------------|--|
| Box 16, Folder 1 | Christmas cards, Olga Ley, n.d. [2 of 2] |
| Box 16, Folder 2 | Photographs, Olga Ley, undated |
| Box 16, Folder 3 | Short story written by Olga Ley, The Item, undated |

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Series 2: Subject Files

This series, ranging in date from the late 1800s to 1969, includes all of Ley's subject files relating to the fields of rocketry and space travel. Topics include biography (includes Ley and others), inventions, aviation, astronomy, space travel, rockets, artificial satellites, manned space flight, ground support and rocket test centers. The folders include correspondence, photographs, notes, reports, brochures, pamphlets, magazines, articles and newspaper clippings. The materials are organized by subject. Original order for the folders was maintained throughout this series.

- 1.1: Biography
- 1.2: Aviation
- 1.3: Inventions
- 1.4: Astronomy
- 1.5: Space Travel
- 1.6: Rockets
- 1.7: Artificial Satellites
- 1.8: Manned Space Flight
- 1.9: Ground Support
- 1.10: Rocket Test Centers

2.1: Biography materials

Materials are arranged in the original order.

Box 16, Folder 4	Biography, 1920-28
Box 16, Folder 5	Biography, 1958-69
Box 16, Folder 6	Biography, 1959-69
Box 16, Folder 7	Biography, 1958-67

2.2: Aviation materials

Materials are arranged in the original order.

Box 16, Folder 8	Aviation, general, 1948-69
Box 16, Folder 9	Aviation, general, 1959-69
Box 16, Folder 10	Aviation, patents, 1882-1905

2.3: Inventions materials

Materials are arranged in the original order.

Box 17, Folder 1	Inventions, Bertholdus Niger and the early history of gunpowder, 1930-55
Box 17, Folder 2	Inventions, Herman Ganswindt, 1928-34
Box 17, Folder 3	Inventions, solar energy, 1939-63
Box 17, Folder 4	Inventions, thermal low level difference machinery, 1934-54

Box 17, Folder 5 Inventions, utilization of volcanic heat, 1925-61

Box 17, Folder 6 Inventions, wind power plants, 1936-56

2.4: Astronomy materials

Materials are arranged in the original order.

Box 17, Folder 7 Astronomy, 1949-69

Box 17, Folder 8 Astronomy, 1939-69

Box 18, Folder 1 Astronomy, 1939-69

Box 18, Folder 2 Astronomy, 1939-69

Box 18, Folder 3 Astronomy, 1942-69

Box 18, Folder 4 Astronomy, 1957-69

Box 18, Folder 5 Astronomy, methodology, 1942-65

Box 18, Folder 6 Astronomy, cosmology, 1968

Box 18, Folder 7 Astronomy, extraterrestrial life, 1935-68

Box 18, Folder 8 Astronomy, myths, 1937-60

Box 18, Folder 9 Astronomy, myths, Great Pyramid, 1952-69

Box 19, Folder 1 Astronomy, myths, astrology, 1938-62

Box 19, Folder 2 Astronomy, myths, Horbiger, 1917-47

Box 19, Folder 3 Astronomy, myths, Velikovsky, 1950-65

Box 19, Folder 4 Astronomy, historical notes, Classic period (before 500 A.D.), 1933-65

Box 19, Folder 5 Astronomy, history, Stonehenge, 1941-66

Box 19, Folder 6 Astronomy, historical notes, Dr. Grant McColley, undated

Box 19, Folder 7 Astronomy, historical notes, Nicholas Copernicus, 1943-60

Box 19, Folder 8 Astronomy, history, Tycho Brache and Johannes Kepler, 1941-68

Box 19, Folder 9 Astronomy, history, Galileo Galilei, 1942-62

Box 19, Folder 10 Astronomy, history, Isaac Newton, 1942-62

Box 19, Folder 11 Astronomy, history, Edmond Halley, 1947-67

Box 19, Folder 12	Astronomy, historical notes, (1600-1800), 1937-66
Box 20, Folder 1	Astronomy, history (19th century), 1938-65
Box 20, Folder 2	Astronomy, calendar reform, 1935-55
Box 20, Folder 3	Astronomy, recent astronomers, 1955-68
Box 20, Folder 4	Astronomy, observatories, 1931-68
Box 20, Folder 5	Astronomy, observatories, 1938-65
Box 20, Folder 6	Astronomy, optical instruments, 1947-68
Box 20, Folder 7	Astronomy, color photography, 1959
Box 20, Folder 8	Astronomy, radar astronomy, 1946-67
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Series 3: Printed Materials

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Box 78, Folder 6	Newsletters, Booster, Aerojet General, 1963-69
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Box 79, Folder 1	Newsletters, Space Intelligence Notes and Space Information Digest, Space Systems Information Branch, NASA/Marshall Space Flight Center, 1963
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Box 79, Folder 5	Booklets, Manned Space Flight -- 1963, NASA, 1963 and The Science Fiction History of 1956, Fandom House, 1957
Box 79, Folder 6	Miscellaneous newsletters and reports, 1956-68
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Box 82, Folder 3	Report, 1960 Aerospace Forecast of Technical Requirements, Aerospace Industries Association, 1960
Box 82, Folder 4	Booklet, The Proceedings; CHICON III, 20th world science fiction convention, 1962
Box 82, Folder 5	Magazine, Think, vol. 24, no. 7, July 1958 and brochure for Disneyland, 1963
Box 82, Folder 6	Miscellaneous reports, articles and data, measurement conversions, 1948-62
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| Box 83, Folder 1 | Book, The Hollow Earth, by Raymond Bernard, Fieldcrest Publishing, New York, New York, 1964 |
| Box 83, Folder 2 | Report, Who Killed Science Fiction?, Sa Fari, 1960 |
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| Box 83, Folder 4 | Book announcements relating to rockets and space, 1960-64 |
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Series 4: Non-Aerospace Subject Files

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