


The Robert H. Goddard Papers

Robert H. Goddard

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THE ROBERT H. GODDARD PAPERS

This register is the result of a National Historical Publications and Records Commission grant in the amount of \$14,760 awarded to Clark University in 1978. The grant was for the acquisition, restoration, preservation, and organization of the papers of Robert Hutchings Goddard and Esther (Kisk) Goddard. Primarily a records preservation project, its secondary purpose included identification, evaluation, and arrangement of additional material for the collection and preparation of appropriate finding aids.

The Daniel and Florence Guggenheim Foundation provided conservation funds in the amount of \$10,000. Specialized conservation of the Goddard Papers was performed by one of the nation's premier conservators, Carolyn Horton & Associates, Inc., of New York City. The materials included in this restoration project were Dr. Goddard's unpublished M.A. Thesis, original manuscripts, pocket diaries, rocket experiment test data, his first two U.S. Letters Patents, and some correspondence. In addition, motion-picture film of Goddard rocket experiments was recopied and news clippings were microfilmed.

The co-Directors of this project were Dr. Paul S. Clarkson, Emeritus Curator of Special Collections and Rare Books, and Dr. William A. Koelsch, University Archivist.

SCOPE & CONTENT NOTE

Dr. Robert H. Goddard was a member of the Clark Physics Department for 29 years. Foremost American pioneer of rocket research, he laid the technical and theoretical foundations for many of the developments in long-range rockets, missiles, satellites and space flight, which collectively put us into the Space Age.

The original deposit of Goddard papers, concerning Dr. Goddard's life and work, was given to Clark University by Mrs. Goddard in 1964, but these materials were not brought to campus until the Goddard Library was opened in May of 1969. Additional Goddard materials, including large quantities of photographs and most of Mrs. Goddard's working files were transferred, with the approval of the Trustee of the Goddard Estate, on October 23, 1978. A smaller portion, consisting of additional photographs and a card index to the patents (with cross-references), came to Clark on February 20, 1979. Included in the collection also are files from the office of Patent Attorney, Charles T. Hawley, following the progress of Dr. Goddard's patent applications. These files overlap with Dr. Goddard's records of the applications. The collection includes original paintings by Dr. Goddard.

In the Goddard Collection are original manuscripts, documents, and copies of manuscripts and documents. In some cases, copies have been made of original documents in other collections. In other instances, there are copies of originals that have been lost or destroyed. We have also copied Dr. Goddard's carbons of his correspondence onto acid-free permalife paper. The carbon copies are in a separate subseries. (In The Esther C. Goddard Papers photocopies have been made of some of her correspondence as well. There too the photocopied carbons are in separate subseries.)

The correspondence files had lost their original arrangement through reorganization by Mrs. Goddard, as she worked on the three volumes of excerpts of her husband's papers, published in 1970. Large segments were grouped into her categories, that is, "papers used" and "papers omitted". Earlier researchers also apparently numbered documents to suit their purposes. To overcome the limitations of these (idiosyncratic suited) arrangements, the correspondence was refiled chronologically within three groups--"Letters To", "Letters From", and "Letters About (including miscellaneous)". In order to compensate for the temporary lack of an in-house card catalog index (currently in progress), we have listed the individual correspondents alphabetically under the appropriate folders.

Despite the comprehensiveness of the Collection, gaps exist. From Dr. Goddard's "Autobiographical Statement" of July 1927, we have:

"Accordingly, one day [1904] I gathered all the notes I could conveniently find and burned them in the little old-fashioned wood stove in the dining room."

Also, until his marriage in 1924, and the undertaking of secretarial duties by Mrs. Goddard, Dr. Goddard's correspondence files are incomplete. Moreover, a fire in the office of Dr. Goddard's patent attorney, Charles T. Hawley, destroyed most of the early patent case material. And from the Preface to bound Volume XXIII, transcribed by Mrs. Goddard and entitled "Progress Reports to Navy Department, 1941-1945", we learn from her note of March 31, 1956:

"This volume contains photostatic copies of the Progress Reports Dr. Robert H. Goddard submitted to the Army Air Corps from December 1941 to July 1942, and to the Navy Department from November 1942 to May 1945. Four reports in late 1942 are missing.

"Dr. Goddard's carbon copies of the Navy reports disappeared shortly after his death from his files at the Curtiss-Wright Corporation at Caldwell, NJ, making it necessary for me to ask the cooperation of the Navy Department in supplying photostatic copies as they were declassified. All these reports were kindly sent, except those submitted in December 1941 and 1942 (Contract No. N03-91391), which were missing from the Navy files. During the first half of 1942, however, progress reports under a concurrent contract (No. 42-7280) with the Army Air Corps were submitted to Wright Field, and covered, in the main, the same development as that carried on for the Navy Department. These reports to the Army have therefore been copied and are inserted before the photostated Navy reports."

Additional Robert Goddard materials are held in the Clark University Archives and not listed here. These include correspondence in the G. Stanley Hall Papers, Wallace W. Atwood Papers and Physics Department records, Physics Colloquium lecture notebooks, material on the Clark University Radio Club, and newspaper clippings concerning Goddard and the University of his time. In addition, Dr. Percy Roope's papers are made up of interviews about Dr. Goddard. Some papers of his assistant Larry Mansur are held in the Bedford Public Library.

Mrs. Goddard was her husband's constant companion in rocket research, his assistant, secretary, and photographer. After her husband's death, she was the principal interpreter of her husband's work, an indefatigable speaker and correspondent about Robert Goddard, rocketry, and space, and collector and editor of her husband's papers. For the period between his death, in 1945, and her own in 1982, her papers (page 71) serve as a barometer of interest in the space age, documenting school children's inquiries, public ceremonies, scholarly interests, and recognition of the historic research conducted by her husband.

ROBERT HUTCHINGS GODDARD
Biographical Note

1882, October 5	Born at Maple Hill, Worcester, MA
1883	Moved with family to Roxbury, MA
1888-1898	Attended Mount Pleasant, Hugh O'Brien, & English High Schools in Boston
1889	Began thinking about flight into outer space
1898	Moved with family to Maple Hill, Worcester
1899, October 19	“Anniversary Day” of dedication to the development of a method of attaining great heights
1899-1901	Kept from school by illness
1901-1904	Student, South High School, Worcester
1904-1908	Student, Worcester Polytechnic Institute (B.S. 1908)
1908-1909	Instructor of Physics, W.P.I., & special student in Physics, Clark University
1909-1911	Fellow in Physics, Clark University (A.M. 1910, Ph.D. 1911)
1911-1912, 1914-1915, 1918-1920	Honorary Fellow in Physics, Clark University
1912	First explored mathematically the practicality of using rocket power to reach high altitudes & escape velocity
1912-1913	Research Instructor in Physics, Princeton University
1913-1914	Contracts and partly recovers from tuberculosis
1914, July	Awarded first two patents for rocket apparatus: U.S. Letters Patent #1,102,653 liquid-fuel gun rocket; U.S. Letters Patent #1, 103,503 a multistage step rocket (eventually awarded 214 patents, 1914-1956)

1914-1915	Instructor in Physics, Clark College; Assistant Professor 1915-1919; Associate Professor, 1919-1920
1915	Proves experimentally that a rocket will provide thrust in a vacuum
1916-1918	Instructor, Clark University
1917, January 5	Received first financial assistance from the Smithsonian Institution (\$5,000 from Hodgkins Fund); Further grants made through 1929 & in 1932
1917-1918	Developed the basis for the rocket weapon, later known as the bazooka, done for U.S. Army Signal Corps & Ordnance Department, in the shops at the Worcester Polytechnic Institute, at Clark University, & later at the Mount Wilson Observatory in California. This was demonstrated successfully at the Aberdeen Proving Grounds on November 10, 1918, before representatives of the armed services.
1919	First to publish in the U.S. a basic mathematical theory underlying rocket propulsion & rocket flight, together with results of experiments with solid-propellant rockets, "A Method of Reaching Extreme Altitudes", Smithsonian <u>Miscellaneous Collections</u> , Vol. 71, No. 2
1920-1923	Part-time consultant on solid-propellant rocket weapons for U.S. Government at Indian Head, Maryland
1920-1925	First to develop a rocket motor using liquid propellants (liquid oxygen & gasoline)
1920-1943, August 5	Professor, Clark University
1923-1943	Director of the Physical Laboratories, Clark University; is chairman of the physics and mathematics departments
1924, June 21	Married Esther Christine Kisk
1925	Static test at Clark University: liquid-propellant rocket lifted its own weight for first time

1926, March 16	First to launch a liquid-propellant rocket, at Auburn, MA
1929, July 17	Tested first rocket containing instruments at Auburn, MA, which attracted wide public attention
1929, November 23	First meeting with Charles A. Lindbergh
1930, July 10-1932	First two-year grant from Daniel Guggenheim, began conducting full time rocket research at Roswell, NM (on leave of absence from Clark University)
1932	First developed gyro stabilization apparatus for rockets
1932	First used deflector vanes in the blast of the rocket motor as a method of stabilizing & guiding rockets
1932-1934	Teaching at Clark University, & continued research financed by the Smithsonian Institution & The Daniel & Florence Guggenheim Foundation
1935	"A" series rocket tests (14-test series; rockets at this stage were about 15 feet long)
1935, March 8	First to launch a liquid-propellant rocket which attained a speed greater than that of sound (700 mph)
1935	Rocket reached altitude of 7500 feet
1936, March 16	Publication of "Liquid Propellant Rocket Development", <u>Smithsonian Miscellaneous Collections</u> , Vol. 95, No. 3
1936-1938	"L" series rocket tests (30-test series; rockets were about 18 feet long)
1937	Rocket reached height of 9000 feet
1938-1941	"P" series rocket tests (this 36-test series represents his last flight rockets; they averaged about 22 feet in length)
1942-1945	Director of Research, Navy Dept., Bureau of Aeronautics developing jet-assisted takeoff & variable-thrust liquid-propellant rockets, at Roswell, NM & Annapolis, MD

1943-1945	Consulting Engineer, Curtiss-Wright Corporation, Caldwell, NJ
1944-1945	Director, American Rocket Society
1945, June 2	Received an honorary Doctor of Science degree, Clark University
1945, August 10	Died at Baltimore, MD. Buried in Hope Cemetery, Worcester, MA

ORGANIZATION MEMBERSHIPS: Fellow of the American
Association for the Advancement of Science
& of the Institute of Aeronautical Sciences;
Member of the American Physical Society;
American Meteorological Society; American
Rocket Society;
National Aeronautics Association;
Geophysical Union;
American Institute of Social Sciences;
Sigma Xi; Sigma Alpha Epsilon

Agreements (contracts), correspondence, memoranda, blueprints, reports arranged chronologically.

Series 6 Reports & statements on rocket development, 1918-1941
(2 boxes)

Periodic reports to The Smithsonian Institution, Clark University, & The Daniel & Florence Guggenheim Foundation, arranged by the receiving institution & chronological within folders. Also material on the Clark University Research Corporation (Advisory Committee).

Series 7 Patent Cases (56 boxes)

The 214 patents & 32 unsuccessful patent applications, arranged by chronology of the case number rather than the U.S. Letters Patent Number, were represented in two, incomplete files (Dr. Goddard's & those of his patent attorney, Charles T. Hawley of Worcester). The integrity of the arrangement was retained by combining the two incomplete files. The blueprints were separated, cross-referenced and arranged according to the corresponding case. The duplicate copies of patent applications, briefs, correspondence, and U.S. Patent Office rulings were removed to a separate subseries. The original U.S. Letters Patents and foreign patents (British Patent No. 133,096 & French Patent No. 498,797) are arranged chronologically according to patent number and date of issue with the foreign patents at the end of the U.S. Patents. Two copies each of U.S. Letters Patents issued to Dr. Goddard by the official government agency, arranged chronologically according to patent number and date of issue, are in a separate subseries. Since this processing, we have received a card file prepared by Mrs. Goddard, which provides the researcher with a subject index to the patent cases showing the relationship amongst cases.

Series 8 Manuscripts and Publications, 1901-1945 (5 boxes)

Arranged chronologically.

Series 9 Miscellaneous (1 box)

Arranged chronologically.

- Series 10 Newspaper and magazine clippings, misc. brochures, invitations etc. 1904-1976 (15 boxes)
- Arranged chronologically.
- Series 11 Lists (1 box)
- Affidavits, Collection of books and articles, Correspondence to and from RHG, "List of recipients of "This High Man"
- Series 12 Magazine and Newspaper clippings 1920-1946 about Rockets, Inventions, etc. with H. Oberth, Max Valier, and others (1 box)
- Series 13 Transcripts of Goddard Diary 1898-1945 and excerpts from five green notebooks done by ECG (1 box)
- Series 14 Non-print material
- Photographs [mounted] by B. Anthony Stewart, copyright National Geographic Society, paintings by Robert Goddard, photographs, albums, gyroscopes and rocket parts.

ROBERT H. GODDARD PAPERS

SERIES 1 FAMILY AND PERSONAL PAPERS

BOX 1-1 Diary of Danford Goddard, 1855-1857
 Monograph, The Samuel Goddard Families by Charles Austin Goddard, 1935
 Monograph, A Genealogy of the Descendants of Edward Goddard of Norfolk County, England, 1881
 Robert H. Goddard Autobiographical Statement, February 6, 1921
 Robert H. Goddard Autobiographical Statement, July, 1927 (with further suggestions of March, 1933)
 Biographical & Genealogical Data (including RHG correspondence)
 Genealogical Data
 Genealogical Data & Family Papers
 Robert H. Goddard, Miscellaneous Childhood Notes (South High School, confirmation), 1896-1913
 Graduation from South High School, Worcester, 1904
 Robert H. Goddard's Frog Hatchery
 The Marriage Service

BOX 1-2 Family Papers and Genealogical Data
 Genealogical Data
 Biographical and Genealogical Data (including RHG correspondence)
 Robert H. Goddard Autobiographical Statement, Feb. 6, 1921

BOX 1-3 (stored in the fireproof file cabinet)
 Pocket Diaries, 1898-1923

BOX 1-4 (stored in the fireproof file cabinet)
 Pocket Diaries, 1924-1945

SERIES 2 PROFESSIONAL AND GENERAL CORRESPONDENCE

SUBSERIES 1 ORIGINALS AND XEROXES OF DR. GODDARD'S CORRESPONDENCE

BOX 2-1-1 **Letters TO Dr. Robert H. Goddard, March 7, 1901
 October 24, 1914**

E.F. Bigelow [<u>Nature Science for Young Folks</u>]	W.F. Magie
J. Mc.K. Cattel [<u>Popular Science Monthly</u>]	J. Marshall Munn & Co. [<u>Scientific American</u>]
R. Cory	W.W. Payne [Popular Astronomy]
J. Daniels	G.B. Pegram [<u>Popular Science News</u>]
C. DeWitt	F.D. Roosevelt
F.W. Hodge	E.C. Sanford
S.P. Langley	

**Letters TO Dr. Robert H. Goddard, March 19,
1915-December 12, 1917**

H.W. Dorsey	R. Rathbun
W.T. Foster	E.C. Sanford
H. Maxim	C.D. Walcott

**Letters FROM Dr. Robert H. Goddard, December
26, 1895-December 15, 1916**

**Letters FROM Dr. Robert H. Goddard, March 24,
1917-December 26, 1917**

**Letters ABOUT Dr. Robert H. Goddard, October
2, 1916-April 14, 1917**

**Miscellaneous Correspondence, Reports &
Ephemera, May 4, 1901-ca. 1932/1933**

BOX 2-1-2

**Letters TO Dr. Robert H. Goddard, January,
1918-December, 1918**

C.G. Abbott	E.C. Sanford
W.S. Adams	J.T. Skelly
H.W. Dorsey	J.C. Spence
R. Rathbun	C.D. Walcott
G.I. Rockwood	

**Letters TO Dr. Robert H. Goddard, January,
1919-October, 1919**

C.G. Abbott	C.N. Hickman
H.W. Dorsey	C. Marvin
G.S. Fulcher	W.P. True
G.E. Hale	C.D. Walcott

Letters FROM Dr. Robert H. Goddard, January,
1918-June 25, 1918

Letters FROM Dr. Robert H. Goddard, July 1,
1918-August 30, 1918

Letters FROM Dr. Robert H. Goddard, September 1, 1918
December 9, 1918

Letters FROM Dr. Robert H. Goddard, January, 1919-
September 1919-December 1919

Letters ABOUT Dr. Robert H. Goddard, January,
1918-May, 1918

Letters ABOUT Dr. Robert H. Goddard, June,
1918-December, 1918

Letters ABOUT Dr. Robert H. Goddard, February, 1919
June, 1919

BOX 2-1-3

Letters TO Dr. Robert H. Goddard, January-December 1,
1920

C.G. Abbott	A.A. Fries
R.F. Aldrich	P. Gombos
E.E. Aldrin	G. Hurd
C. Baucia	O.M. Hustvedt
J. Bosler	E.J. Lamanski
F. Brachmauny	MacMillan & Co. [London]
M.R. Brocard	C.B. McVay, Jr.
R. Brocard	Mary Pickford Studios
K.T. Compton	W. deC. Ravenel
J. Fon Dorneneck	H. Russell
H.W. Dorsey	E.C. Sanford
R. Earle	A. Troller
R. Esnault-Pelterie	C. Wahlstrom

F.P. Fergusson

Letters TO Dr. Robert H. Goddard, January 19-December 8, 1921

C.G. Abbott	A. Mas
W.W. Atwood	E.L. Pinney
F.W. Baldwin	F.A. Ramsdell
C.G. Budde-Lund	G.P. Serviss
Peo Emanuelli	J.S. Shaw III
E. Harhighen	C. Whitcomb
C.E. Harris	

Letters TO Dr. Robert H. Goddard, April 17-November 6, 1922

C.G. Abbott	A.A. Matter (?)
J. Bastard	H. Oberth
A. Gibson	C.D. Walcott
L. Kirste	

Letters TO Dr. Robert H. Goddard, May 24- December 27, 1923

C.G. Abbott	W. deC. Ravenel
A. Gibson	E.E. Slosson
H. Oberth	

Letters TO Dr. Robert H. Goddard, January 14-December 19, 1924

C.G. Abbott	D.Hoefft
M.R. Alling	I. Hornibrook
F. Bryant (?)	W.J. Humphreys
K.T. Compton	R. La Fayette
A. Corlin	B.E. Livingston
L.P. Crim	A.A. Merrill
W. Davis	N. Morosov
H.W. Dorsey	H. Oberth
G.A.L. Dumont	N. Riffolt
R. Earle	H. Sachs
S. Egoroff	F.O.L. von Hoefft
A. Elewry	C.D. Walcott
C.W. Goddard	A. Wetmore

H.C. Goddard
A. Gradenwitz

D. White

**Letters TO Dr. Robert H. Goddard, January 8-
December 12, 1925**

C.G. Abbott	Industrie-und-Handels
E.E. Aldrin	Zeitung
Der Berliner	T. Kaiser
J.J. Carrau	H. Oberth
O. Daske	R.L. Waterfield
E.C. Eyer	D. White
W.J. Humphreys	

**Letters TO Dr. Robert H. Goddard, January 14-
December 22, 1926**

C.G. Abbott	E. Limacher
K. Anderson	W.F. Magie
H.W. Dorsey	M.T. Nielsen
C.A. Ferrari	E. Reihmeier
O.W. Gail	R. Reinecke
German Consulate, Attache	N. Rynin
Industrie-und-Handels Zeitung	H. Staritz
W.F. Kerr	A. de Stephano
Y.A. Koh	I. Toker
W. Kortmann	C.D. Walcott
R. Lademann	A. Wetmore
	M. Winkler

**Letters TO Dr. Robert H. Goddard, January 14-
December 23, 1927**

C.G. Abbott	J. Kiener
J.A. Anderson	R. Lademann
W.W. Atwood	R. Oldenbourg
Association of Inventors, Moscow	M. Proctor
S. Averbuchy	J.R. Randolph
E.B. Genesiran	O.H. Rodriguez
	K. Thierbarz

Letters TO Dr. Robert H. Goddard, February

15 December 27, 1928

C.G. Abbott	J. Kuhr Huddle
E.E. Aldrin	W.J. Humphreys
W.W. Atwood	R. Lademann
C. Coniatis	W. Ley
R. Esnault-Pelterie	A. Stocker
B. Gorneau (?)	

Letters TO Dr. Robert H. Goddard, January 5-August 23, 1929

C.G. Abbott	W.A. Kennan
F.M. Aguirre	M. Leontovsky
R. J. Brown	<u>Popular Science</u>
P. Emerich	W.E. Robertson
E. E. Free	V. Soloviev
E.P. Genn	J. Stokley
H. Gernsback	E. Sturtevant
G. W. Gray	T. Vinogradov

Letters TO Dr. Robert H. Goddard, September 4-December 31, 1929

C.G. Abbott	Lahore Electric Supply Co.
F. Andrea	R. Marekore
W.W. Atwood	J.C. Merriam
W. F. Clark	A. Neuburger
H.W. Dorsey	M.J. Shapiro
A.W. Ewell	H. Shapley
W.M. Gilbert	C.F. Taylor
C.E. Hocker	W. Talank
J.C. Hubbard	C.H. Thurber
M. Jessup	R.E. Turpin
R. Lademann	

Letters FROM Dr. Robert H. Goddard, January 19-December 6, 1920**Letters FROM Dr. Robert H. Goddard, April 12-December 19, 1921****Letters FROM Dr. Robert H. Goddard, March 29-October 30, 1922**

Letters FROM Dr. Robert H. Goddard, February
1-December 31, 1923

Letters FROM Dr. Robert H. Goddard, January
3-December 24, 1924

Letters FROM Dr. Robert H. Goddard, January
13-December 15, 1925

Letters FROM Dr. Robert H. Goddard, February
1-December 29, 1926

Letters FROM Dr. Robert H. Goddard, January
6-December 24, 1927

Letters FROM Dr. Robert H. Goddard, January
3-November 6, 1928

Letters FROM Dr. Robert H. Goddard, January
3-August 28, 1929

Letters FROM Dr. Robert H. Goddard, September
9-December 28, 1929

Letters ABOUT Dr. Robert H. Goddard, January
14-July 28, 1920

Letters ABOUT Dr. Robert H. Goddard, March 3,
1921-December 22, 1923

Letters ABOUT Dr. Robert H. Goddard, January
5 December 18, 1924

Letters ABOUT Dr. Robert H. Goddard, January
3, 1925-May 16, 1927

Letters ABOUT Dr. Robert H. Goddard, March 28-
[December 27?] 1928

Letters ABOUT Dr. Robert H. Goddard, January
24-July 20, 1929

Letters ABOUT Dr. Robert H. Goddard, September

3-December 30, 1929

BOX 2-1-4

Letters TO Dr. Robert H. Goddard, January 15-December 30, 1930

C.G. Abbott	R. Lademann
W.S. Adams	D. Lasser
W.W. Atwood	E.O. Lawrence
A. Bar (?)	(?) on Ivy Lee stationary
C.L. Bausch	R.W. Lohman
F.R. Bichowsky	C.A. Lindbergh
Lillian Blomstrom	L. Mansur
H. Breckinridge	H. McClurnhan (?)
H.W. Bull	C.E. Melville
W.F. Clark	J. Merriam
H.W. Dorsey	H.E. Murdock
R. Dow	H. Parrish
T.B. Dufus	G.W. Rich
Count Elia	T. O'Connor Sloane
A. Feitner	A. Strong
D. Guggenheim	C.F. Taylor
F.O.L. von Hoefft	H.J. Taylor
F.A. Howard	L.T.E. Thompson
W. Kaempffert	E.F. Williams
A. Klemin	W. Zilka
I. Koizumi	

Letters TO Dr. Robert H. Goddard, January 8-December 29, 1931

C.G. Abbott	S.E. Greenwald
W.W. Atwood	S. Herrick, Jr.
A.P. Armagnac	E. Kelley
Austrian Promotional Soc. for the Inves- tigation of the Uni- verse	F.G. Keyes
E.M. Baker	I. Koizumi
A.M. Belfry	G. Kraska
L.A. Bliss	R. Lademann
H. Breckinridge	D. Lassar
W. Brugel	J. Mach
S. Callaway	C.F. Marvin
A.B. Curtis	M.C. Mawhinney
	R.A. Millikan
	E.G. Minton
	H. Montgomery

G. Davis	G.E. Pendray
G. Dovin	R.E. Turpin
R. Esnault-Pelterie	C. Whitney
J.A. Fleming	Willis Ford Agency Co.
Willis Ford	J.L. Wirt
H. Gernsback	

**Letters TO Dr. Robert H. Goddard, January
4, 1932-June 26, 1933**

C.G. Abbott	A. Johnson
G. Akaba	W.W. Lake
W.W. Atwood	W. Ley
V. Bajanova	C.A. Lindbergh
G. Barbaudy	H.P. Little
J.R. Bray	H. McClurnhan (?)
H. Breckinridge	R. Meeser
F.E. Bredouw	J.C. Merriam
W. Brugel	A.L. Morse
H.W. Bull	G.E. Pendray
M. G. Chitnavis	H. L. Roosevelt
A.B. Curtis	M. Rose
J.A. Fleming	V. H. Sears
H.G. Garbedian	Legation of Switzerland
R.B. Hastings	L. Voelpel
C.T. Hawley	H. G. Wells
H.H. Jacobs	J.V. Witkiewicz
J.A. Johannessen	

Letters TO Dr. Robert H. Goddard, July 1, 1933 - *July 29, 1934

C.G. Abbott	C. A. Lindbergh
W.W. Atwood	R. W. Lohman
A. Beck	E.F. Northrup
A.B. Bennett	J.W. Ogilvie
W. Brugel	C.A. Parker
H.W. Bull	G.E. Pendray
R. Earle	T. Ross
D. Emmerich	A.J. Shneider
H.S. Firestone, Jr.	W.H. Standley
H. Gordon Garbedian	C.A. Swanson
H.F. Guggenheim	F.S. Tobey
B. James	

**Letters TO Dr. Robert H. Goddard, August 13-
December 27, 1934**

C.G. Abbott	R.W. Lohman
N.W. Akimoff	A. Lubinoff
W.W. Atwood	L. Menard
H.W. Bull	J.C. O'Neil
F.A. Collins	A.W. Parkes
W.B. Ferris	T.E. Pochapsky
K. Gluski	C.M. Stephens
H.F. Guggenheim	A. Thoresz
W. Kaempffert	H.B. Veith

**Letters FROM Dr. Robert H. Goddard, January 16-December
29, 1930**

**Letters FROM Dr. Robert H. Goddard, January 2-
December 28, 1931**

**Letters FROM Dr. Robert H. Goddard, January 11, 1932-
June 30, 1933**

**Letters FROM Dr. Robert H. Goddard, July 8, 1933-
December 21, 1934**

**Letters ABOUT Dr. Robert H. Goddard, January 7-
September 5, 1930**

**Letters ABOUT Dr. Robert H. Goddard, January 9-
July 14, 1931 & undated**

**Letters ABOUT Dr. Robert H. Goddard, February 15, 1932-
December 28, 1934 & undated**

**Letters FROM Dr. Robert H. Goddard to WF Clark Re: Solar Hot Water
Heater, 1930**

Letters FROM Dr. Robert H. Goddard to Calvin Andrews, 1934

BOX 2-1-5

**Letters TO Dr. Robert H. Goddard, January 2-
August 29, 1935**

C.G. Abbott	B.R. Hubbard
N.W. Akimoff	H.B. Nichols

W.W. Atwood	J.W. Parsons
H.W. Blakeslee	W.E. Pierce
F.A. Collins	F.M. Reck
C.R. Collins	R.W. Smith
E.K. Edwards	R.D. Washburne
H.F. Guggenheim	C.E. Widden
C.T. Hawley	

**Letters TO Dr. Robert H. Goddard, September
4-December 28, 1935**

C.G. Abbott	E. Grant
W.W. Atwood	H.F. Guggenheim
G.H. Blakeslee	J.C. Merriam
C.F. Brooks	A.B. Moody
W. Brugel	C. Paff
A.A. Collins	J.W. Parsons
F.A. Collins	C.E. Pearce
M.H. Collins	G.E. Pendray
H.W. Dorsey	G.E. Rice
G.V. Draper	G.P. Serviss
J. Dungan	R.A. Stauffer
A. Erickson	P. Van Dresser
R. Esnault-Pelterie	C.B. Whittelsey
R.C. Frost	H.V. Wurdemann
H. Gordon	

**Letters TO Dr. Robert H. Goddard, January 1-
April 30, 1936**

C.G. Abbott	M. Laufenberg
W.W. Atwood	A.R. Leventhal
E.M. Baker	W. Ley
F.G. Belcher	C.A. Lindbergh
C.A. Bushnell	The Linde Air Products Co.
M.W. Carvell	S.S. MacKeown
A.A. Collins	G.D. Moloney
F.A. Collins	H.E. Rose
M.H. Collins	P. Rousseau
V. Coppola	G.A. Sauer
G.V. Draper	R.M. Seeling
R. Esnault-Pelterie	L.A. Stevens
L.D. Gardner	H.F. Taylor
H. Gorden	

B. Gordon	R.C. Truax
H.F. Guggenheim	W.P. True
R. Heuer	I.C. West
A.G. Ingalls	H.B. Veith
E.G. Kerlin	

**Letters TO Dr. Robert H. Goddard, May 7-
September 30, 1936**

C.G. Abbott	R.B. Johnson
N.W. Akimoff	J.N. Kane
W. Atwood	C.A. Lindbergh
E.L. Bowles	C.W. McNash
J. Boyer	R.A. Millikan
I.H. Brook (?)	G.R. Parkinson
C.M. Cochrane	B. Pease
A.A. Collins	E. Pyle
M.H. Collins	N. Rohats
C.J. Dyer	H. Schaefer
S.E. Ekblaw	G.C. Starry
R. Esnault-Pelterie	A.H. Sunderland
L.D. Gardner	A.V. Toney
J. Gosciniak	P. Van Dresser
H.F. Guggenheim	H. Weis
C.T. Hawley	

**Letters TO Dr. Robert H. Goddard, October 1-
December 31, 1936**

H.C. Adamson	R. Lencement
A. Ananoff	C.A. Lindbergh
W.W. Atwood	H.F. Lowry
M.H. Collins	F.J. Malina
M.F. Connor	J.W. Nicklin
H.J. Fones	M. Nicholson
H.F. Guggenheim	H. Nokes
M. Hobbs	H.T. Raser
J.W. Hulff	T.S. Stribling
S.R. Kratz	A.H. Sunderland

**Letters TO Dr. Robert H. Goddard, January 2-
April 26, 1937**

American Rocket Society	E.M. Hadley
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W.W. Atwood	J.P. Halstead
A. Ayanoff	E.E. Kennedy
J.G. Curtis	R. Lencement
F.A. Collins	W. Ley
J. Dvoracek	C.G. Philp
E.F. Flint, Jr.	W.B. Pitkin
F.M. Gates	S. Unterman
H.F. Guggenheim	R. Youngquist

**Letters TO Dr. Robert H. Goddard, May 5-
August 26, 1937**

C.G. Abbott	L. Hillyer
R.L. deBarros	C.F. Horner
F.A. Collins	F.C. Justiz
H.M. Davis	M. Kronstein
J.A. Dorst	C.A. Lindbergh
R.B. Dow	G.E. Pendray
E.A. Fisher	A.C. Read
H.F. Guggenheim	A.H. Sunderland
I. Werme (for C.T. Hawley)	R. Youngquist

**Letters FROM Dr. Robert H. Goddard, January 5-
August 17, 1935**

**Letters FROM Dr. Robert H. Goddard, September
3-December 27, 1935**

**Letters FROM Dr. Robert H. Goddard, January 6-
April 30, 1936**

**Letters FROM Dr. Robert H. Goddard, May 2-
September 29, 1936**

**Letters FROM Dr. Robert H. Goddard, October 5, 1936-
April 24, 1937**

**Letters FROM Dr. Robert H. Goddard, May 1-
August 29, 1937**

**Letters ABOUT Dr. Robert H. Goddard, May 24, 1935-
August 19, 1937**

BOX 2-1-6

**Letters TO Dr. Robert H. Goddard, September 3-
December 21, 1937**

C.G. Abbott	A.G. Ingalls
G. Apotolon	C.A. Lindbergh
L.J. Bishop	F.J. Malina
F.A. Collins	W.G. McAdoo, Jr.
R. de Cordova	F.W. Merrill
W.R. Enyart	J. Miller
B. Gallagher	W. Price
L.D. Gardner	L.A. Taylor
H.F. Guggenheim	

**Letters TO Dr. Robert H. Goddard, January 1-
May 31, 1938**

A. Ananoff	C.T. Hawley
W.W. Atwood	C.N. Hickman
E. Berry	H.K. Kaiser
R.M. Blount	G. Kramer
C.L. Boure	G.W. Lewis
J.W.M. Bunker	W. Ley
B. Castaldi	C.A. Lindbergh
W.H. Cole	L.A. Stevens
F.A. Collins	A.H. Sunderland
R.B. Dow	D. Thompson
W.R. Enyart	W. Weiland
C.T. Ferris	S.F. Winslow
H.F. Guggenheim	

**Letters TO Dr. Robert H. Goddard, June 2-
July 29, 1938**

E. Arend	J.E. Monroe
L.A. Codd	G.E. Pendray
W.R. Enyart	M.F. Peters
R. Ette	F. Storm
G. Foster	C.H. Thackwell
H.F. Guggenheim	M. Van Mietk-Liuba
A.M. Kuethe	L.J. Walker
G.W. Lewis	J. Wilson
C.A. Lindbergh	

**Letters TO Dr. Robert H. Goddard, August 1-
December 20, 1938**

W.W. Atwood	T. Lazarides
J.F. Bingaman	C.A. Lindbergh
L.J. Briggs	C.S. Logsdon
R.R. Burton	L.J. Maher
L.A. Codd	B. O'Brien
E.T. Cuddeback	G. Peckstein
C.L. Dolph & W.C. Parkinson	H. Play
J.H. Doolittle	R.M. Reuschle
H.W. Dorsey	C.H. Rogers
P. Eugenio	L. Sabboukin (?)
W.R. Enyart	M. Sheridan
C.F. Fischer	J.E. Smith
G. Giuseppe	A.H. Sutherland
I. Hornibrook	J.T. Taker
A. Klemin	T. Von Karman
	R. Youngquist

**Letters TO Dr. Robert H. Goddard, January 4-
March 30, 1939**

C.G. Abbott	H.F. Guggenheim
A.F. Andersen	C.N. Hickman
W.W. Atwood	H.B. Mayers
L.P. Barlow	J.J. Murphy
W. Barnitz	E. Ramos
D. Bielakoff	J.E. Meyer Ranneft
J.E. Buckles	K. Rozyn
F.A. Collins	F. Storm
J.R. Erwin	O. Wiemer
L.D. Gardner	

**Letters TO Dr. Robert H. Goddard, April 1-
July 31, 1939**

A. Ananoff	C.T. Hawley
W.W. Atwood	R. Healey
H.W. Blakeslee	E. Henderson
G. Calabresse	T. Kent
L.A. Codd	C.A. Lindbergh
F.B. Colton	E.F. Northrup
J.H. Doolittle	G.E. Pendray
J.A. Dorst	S.S. Snowden
R.E. Ellis	F. Storm

F.L. Fisher	R. Tenhoff
L.D. Gardner	L.T.E. Thompson
E.B. Garnett	R.C. Truax
L. Gorzchaz	H.E. Turner
H.F. Guggenheim	

**Letters TO Dr. Robert H. Goddard, August 3-
December 26, 1939**

C.G. Abbott	J.R. Hildebrand
W.W. Atwood	F. Kamber
W.A. Bennett	J.O. La Gorce
B.N.H. Bousios	K.O. Lange
W.G. Brombacher	C.S. Logsdon
M.F. Connor, Jr.	J.L. Pettingell
A. Cook	"Propulsione A. Reazione"
P. Eugenio	H.L. Sayles
J.W. Finch	E.H. Schuette
H.F. Guggenheim	F. Storm
G. Gundersen	R.H. Wertheim
L. Gussalli	D.B. Willianson
C.T. Hawley	B. Youngquist

**Letters FROM Dr. Robert H. Goddard, September 5-
December 13, 1937**

**Letters FROM Dr. Robert H. Goddard, January 3-
May 30, 1938**

**Letters FROM Dr. Robert H. Goddard, June 4-
July 30, 1938**

**Letters FROM Dr. Robert H. Goddard, August 1-
December 29, 1938**

**Letters FROM Dr. Robert H. Goddard, January 3-
March 25, 1939**

**Letters FROM Dr. Robert H. Goddard, April 3-
July 31, 1939**

**Letters FROM Dr. Robert H. Goddard, August 10-
December 29, 1939**

**Letters ABOUT Dr. Robert H. Goddard & Miscellaneous
Correspondence, November 3, 1937-September 18, 1939**

BOX 2-1-7

**Letters TO Dr. Robert H. Goddard, January 5-
April 30, 1940**

C.G. Abbot	C.A. Lindbergh
W.W. Atwood	Mr. Logsdon (by B.S. Hale)
R.L. Bleicher	J.T. Manthaus
F.A. Collins	R. Picard
V. Coppola	R. Schwab
G. Grosvenor	M.K. Smart
H.F. Guggenheim	H.F. Stimson
J.R. Hildebrand	F. Storm
J. Hix	L.T.E. Thompson
McF. Kerbey	

**Letters TO Dr. Robert H. Goddard, May 7-July
29, 1940**

C.G. Abbot	C.T. Hawley
W.W. Atwood	C.N. Hickman
G.W. Benjamin	F. Kamber
H.A. Boushey,	K.O. Lange
G.H. Brett	C.A. Lindbergh
S.J. Cook	G.E. Pendray
Allo-Diavolo	L.A. Rife
J.H. Doolittle	R.R. Sayers
E.F. Fiock	L.T.E. Thompson
W.R. Furlong	D. Walsh
H.F. Guggenheim	W.H. Wenstorm
H. Hauser	

**Letters TO Dr. Robert H. Goddard, August 5-
October 31, 1940**

H.A. Boushey, Jr.	G.W. Knox
G.H. Brett	R.H. Langley
V. Bush	J. Manson
R.B. Cattell	H.B. Nichols
F.A. Collins	G.E. Pendray
R. Crandall	F.W. Pennoyer, Jr.
C. Goddard	C. Simpson
H.F. Guggenheim	C.J. Stewart

C.T. Hawley
C.N. Hickman

L.T.E. Thompson

Letters TO Dr. Robert H. Goddard, November 1-December 31, 1940

C.H. Andrews	E. Lakatos
H.A. Boushey, Jr.	G.L. Lupfer
R. Cochrane	N.J. Mosley
F.A. Collins	H.B. Nichols
B.P. Conlson, Jr.	N.G. Phillips
G.W. Esser	K. Pierce
W.R. Furlong	L.M. Rayburn
H.F. Guggenheim	O. Steinitz
C.N. Hickman	T.E. Thompson
B.H. Johnson	H.E. Vromer
C.F. Kettering	H.W. Widner

Letters TO Dr. Robert H. Goddard, January 2-March 27, 1941

C.G. Abbot	M.I. Hull
W.W. Atwood	B. Hume
H.E. Baker	B.H. Johnson
H.A. Boushey, Jr.	O. Keller
B.B. Cary	C.F. Kettering
W.A. Chryst	E. Lakatos
R. Ferber	M. Lorant
P.E. Fuller	L.T.E. Thompson
H.F. Guggenheim	G.W. Wray
C.N. Hickman	

Letters TO Dr. Robert H. Goddard, April 1-June 28, 1941

C.G. Abbot	C.T. Hawley
C.W. Abbott	C.N. Hickman
W.W. Atwood	W. Hovgaard
H.A. Boushey, Jr.	National Advisory Committee for Aeronautics
F.O. Carroll	J.W. Price
F.B. Cliffe	A.C. Satin
F.A. Collins	H.F. Stimson
I.B. Davis	T.R. Taylor
W.E. Dillon	

H.F. Guggenheim

W.H. Wenstrom

Letters FROM Dr. Robert H. Goddard, January 14-
April 27, 1940

Letters FROM Dr. Robert H. Goddard, May 2-
July 29, 1940

Letters FROM Dr. Robert H. Goddard, August
13-October 31, 1940

Letters FROM Dr. Robert H. Goddard, November 3-
December 29, 1940

Letters FROM Dr. Robert H. Goddard, January 1-
March 31, 1941

Letters FROM Dr. Robert H. Goddard, April 14-
June 30, 1941

Letters ABOUT Dr. Robert H. Goddard, & Miscellaneous
Correspondence, February 10, 1940-July 29, 1941

BOX 2-1-8

Letters TO Dr. Robert H. Goddard, July 1-August 31, 1941

B. Bayles

H.F. Guggenheim

N. Black

C.T. Hawley

H.A. Boushey, Jr.

C.N. Hickman

F.B. Cliffe

W. Hovgaard

F.A. Collins

C. Hovious

R. Crandall

W.K. McEwen

T.M. Dewey

D.C. Ramsey

R.B. Dow

L.T.E. Thompson

D.J. Ellinger

J.H. Towers

C.F. Fischer

War Department

Letters TO Dr. Robert H. Goddard, September
4-October 31, 1941

W.W. Atwood

W. Hovgaard

H.A. Boushey, Jr.

C. Hovious

G.E. Burdick

A.E. Jones

F.A. Collins

McF. Kerbey

R. Crandall

F.G. Keyes

T.M. Dewey	J.W. Parsons/E.S. Forman
R.B. Dow	B.B. Powell
R.B. Dowell	E.G. Reid
P. Eugenio	J.G. Salsman
C.F. Fischer	R. Spear
H.F. Guggenheim	P.R. Swan
C.N. Hickman	L.T.E. Thompson

Letters TO Dr. Robert H. Goddard, November 11-December 23, 1941

W.A. Bennett	H.F. Guggenheim
C.M. Bolster	J.A. Haley
F.A. Collins	Navy Department
R. Crandall	D.C. Ramsey
M.J. Eisenberg	E.M. Rayburn
E.H. Fein	L.C. Stevens
C.F. Fischer	I.H. Van Horn, Jr.

Letters TO Dr. Robert H. Goddard, January 3-April 28, 1942

W.W. Atwood	A.C. Miles
C.M. Bolster	L. Moholy-Nagy
H.A. Boushey, Jr.	J.M. Muston
R. Crandall	G.E. Nighman
R.B. Dow	M.A. Norcross
C.F. Fischer	W.H. Patch
J.A. Folse	J.G. Salsman
H.F. Guggenheim	L. Schwiekert
R.C. Hadley	E.M. Strauss
C.N. Hickman	H.W. Wyllie
H.F. Maurer	F.W. Young

Letters TO Dr. Robert H. Goddard, May 5-August 28, 1942

C.G. Abbot	R. Healy
C.P. Anderson	C.N. Hickman
J.H. Anderson	J.W. Martin, Jr.
W.W. Atwood	A. Miller
M.B. Bleecker	G.H. Mirick
C.M. Bolster (by J.A. Haley)	C.E. Nighman
H.A. Boushey, Jr.	M.A. Norcross
	I.H. Owen

E.F. Chandler	M.M. Rabb
D. Chavez	P. Roope
F.A. Collins	F.W. Roys
R. Davison	J.G. Salsman
R.B. Dow	C.E. Sinclair
C.F. Fischer	T.E. Stimson, Jr.
D.R. Goddard	L.T.E. Thompson
H.F. Guggenheim	D.I. Walsh
C.A. Hatch	C.M. Wilford
C.T. Hawley	

Letters TO Dr. Robert H. Goddard, September 2-October 31, 1942

H. & M. Alden	G.H. Mirick
M.B. Bleecker	F.R. Montgomery
H.A. Boushey, Jr.	J.J. Murphy
H. Breckinridge	D.C. Pearson
R. Crandall	P.F. Scholander
H.B. Grow	L.T.E. Thompson
C.N. Hickman	W.B. Woodson
G. Juris	

Letters TO Dr. Robert H. Goddard, November 2-December 31, 1942

H.H. Alden	H. Faller
B. Bayles	C.M. Fisher
M.B. Bleecker	C.T. Hawley
H.A. Boushey, Jr.	W. Hendelson
V. Bush	G. Juris
R.H. Canfield	D.C. Pearson
G. Crompton, Jr.	G.W. Reed
R.R. Dexter	L. Sells
R.B. Dow	D.H. Wilmot
J. Dupuy	G.R. Wilson

Letters FROM Dr. Robert H. Goddard, July 4-August 31, 1941

Letters FROM Dr. Robert H. Goddard, September 5-October 29, 1941

Letters FROM Dr. Robert H. Goddard, November 3-December 31, 1941

Letters **FROM** Dr. Robert H. Goddard, January 1-
April 27, 1942

Letters **FROM** Dr. Robert H. Goddard, May 1-
August 31, 1942

Letters **FROM** Dr. Robert H. Goddard, September
2-October 31, 1942

Letters **FROM** Dr. Robert H. Goddard, November
1-December 30, 1942

Letters **ABOUT** Dr. Robert H. Goddard, & Miscellaneous
Correspondence, September 7, 1941-August 20, 1942

BOX 2-1-9

Letters **TO** Dr. Robert H. Goddard, January 1-
February 26, 1943

C.G. Abbot	C.F. Fischer
W.W. Atwood	C.M. Fisher
T.W. Blackwell	H.F. Guggenheim
M.B. Bleecker	C.T. Hawley
B. Castaldi	J.J. Murphy
F.A. Collins	H.C. Parker
F. Cutter	D.C. Pearson
R.B. Dow	Francis W. Roys
E.A. Evans	L. Sells
	M.F. Wagner

Letters **TO** Dr. Robert H. Goddard, March 3-May 26, 1943

C.G. Abbot	C.T. Hawley
C.M. Allen	C.N. Hickman
M.B. Bleecker	W. Ley
H. Breckinridge	P.W. Long
F.A. Collins	M.H. Magruder
P. Covici	G.H. Mirick
C.M. Fisher	J.J. Murphy
H.F. Guggenheim	

Letters **TO** Dr. Robert H. Goddard, June 3-August 20, 1943

W.W. Atwood	A.C. Keith
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M.B. Bleecker	R.W. Lewis
H.A. Boushey, Jr.	H.B. Mallett
H. Breckinridge	E.L. Martin
F.A. Collins	G.H. Mirick
C.M. Fisher	J.J. Murphy
H.B. Grow	P.M. Roope
C.T. Hawley	H.F. Stimson

Letters TO Dr. Robert H. Goddard, September 1-October 27, 1943

M.B. Bleecker	C.F. Fischer
H.A. Boushey, Jr.	R.W. Lewis
V. Bush	H.B. Mallett
F.A. Collins	G.H. Mirick
R. Crandall	S.L. Squire
F.T. DeCock	

Letters TO Dr. Robert H. Goddard, November 2-December 31, 1943

M.B. Bleecker	R.B. Hastings
F.A. Collins	H.B. Mallett
R. Crandall	National Aeronautic Association
R.B. Dow	
C.F. Fischer	R.M. Roope
C.M. Fisher	J.N. Wheeler
C.C. Furnas	

Letters TO Dr. Robert H. Goddard, January 3-February 24, 1944

M. Alves	G. Lyons
M.L. Boardman	G.W. Makepeace
H.A. Boushey, Jr.	H.B. Mallett
R.C. Dehmel	R. Plumber
C.M. Fisher	R.D. Potter
R.P. Garrett	B. Seeley
G.R. Gladding	L.M. Sleeper
H.F. Guggenheim	W.A. Wildhack

Letters TO Dr. Robert H. Goddard, March 1-April 27, 1944

C.G. Abbot	C.T. Hawley
M.L. Boardman	B.H. Johnson

H.A. Boushey, Jr.	R. Mulkey (by R.M. Remmele)
B. Castaldi	E.J. Pyle
C.M. Fisher	B. Seeley
R.P. Garrett	I. Stewart
H.F. Guggenheim	

Letters TO Dr. Robert H. Goddard, May 5-June 29, 1944

H.A. Boushey, Jr.	E.J. Long
R.L. Earle	C.P. Oliver
C.F. Fischer	W.S. Orton
C.M. Fisher	B. Seeley
M.B. Haskin	F.B. Silsbee
C.C. Haury	H.F. Stimson
C.T. Hawley	E. Wilson
J.R. Kennett	

Letters FROM Dr. Robert H. Goddard, January 4-February 26, 1943

Letters FROM Dr. Robert H. Goddard, March 1-May 31, 1943

Letters FROM Dr. Robert H. Goddard, June 7-August 31, 1943

Letters FROM Dr. Robert H. Goddard, September 3-October 26, 1943

Letters FROM Dr. Robert H. Goddard, November 3-December 30, 1943

Letters FROM Dr. Robert H. Goddard, January 3-February 28, 1944

Letters FROM Dr. Robert H. Goddard, March 3-April 25, 1944

Letters FROM Dr. Robert H. Goddard, May 1-June 30, 1944

Letters ABOUT Dr. Robert H. Goddard, & Miscellaneous Correspondence, March 12, 1943-January 28, 1944

BOX 2-1-10

Letters TO Dr. Robert H. Goddard, July 3-August 28, 1944

C.G. Abbot	H.F. Guggenheim
T. Adams	L.A. Hansen, Jr.
C.M. Bolster	C.T. Hawley
H.A. Boushey, Jr.	V.A. McLaskey
F.A. Collins	W.S. Orton

Z.W. Coombs
 R.B. Dow
 R.L. Earle
 C.M. Fisher

I. Stewart
 P. Waskiewicz
 J.N. Wheeler

Letters TO Dr. Robert H. Goddard, September 5-October 31, 1944

R.G. Bolin
 W.H. Cole
 R.L. Earle
 C.M. Fisher
 L.O. Heck
 (?) Homer
 W.G. Jones

W.S. Orton
 J.E. Pasek
 G.E. Pendray
 M.A. Rosanoff
 L.T.E. Thompson
 A. Wetmore

Letters TO Dr. Robert H. Goddard, November 2-December 31, 1944

B.H. Cole
 F.A. Collins
 R.L. Earle
 J.F. Finnegan
 C.F. Fischer
 C.M. Fisher
 J. Frandsen
 T. Greene
 H.F. Guggenheim
 C.T. Hawley

C.N. Hickman
 C.P. Lent
 W.D. Morgan, Jr.
 R. Mulkey (by R.M. Remmele)
 W.S. Orton
 J.E. Pasek
 G.E. Pendray
 S. Price
 P.M. Roope

Letters TO Dr. Robert H. Goddard, January 2-31, 1945

W.B. Allen
 F.A. Collins
 R.B. Dow
 R.L. Earle
 J. Forrestal
 C.T. Hawley
 J.H. Howard
 J.O. La Gorce (by L.J. Canova)

H.T. Kelley
 McF. Kerbey
 W.S. Orton
 J.C. Peck (by D. Herring)
 G.E. Pendray
 G.C. Rodgers
 L.C. Roy
 R.C. Truax

Letters TO Dr. Robert H. Goddard, February 1-March 31, 1945

C.H. Andrews	C.T. Hawley
W.W. Atwood	W.S. Orton
F. Barker	H.C. Parker
A.V. Bollinger	J.E. Pasek
C.W. Chillson	G.E. Pendray
F.A. Collins	R.W. Porter
R. Crandall	L.C. Roy
C.M. Fisher	F.B. Tracy
J. Frandsen	R.D. Walcott
H.F. Guggenheim	R.E. Walker
E.P. Hamilton	

Letters TO Dr. Robert H. Goddard, April 6-May 29, 1945

W.W. Atwood	W.S. Orton
C.F. Benner	P.H. Parkhurst
H.A. Boushey, Jr.	J.E. Pasek
F.A. Collins	G.E. Pendray
R.L. Earle	A.W. Robinson
A.H. Emery	R. Stearns
C.F. Fischer	W.F. True
R.B. Hastings	R.D. Wolcott
D.E. Higgins	

Letters TO Dr. Robert H. Goddard, June 6-23, 1945

F.A. Collins	G.E. Pendray
K. Cooper	S.A. Rade
C.E. Curtiss	B.J. Reus
R.L. Earle	G.C. Rodgers
C.M. Fisher	C.E. Wahlstrom
H.F. Guggenheim	H.L. White
W.S. Orton	R.D. Wolcott

**Letters TO Dr. Robert H. Goddard and/or Mrs. Goddard,
July 5-December 1, 1945**

W.W. Atwood	J. Murphy
M.W. Carr	W.F. Parks
M.C. Chillson	J.E. Pasek
F.A. Collins	G.E. Pendray
M.L. Evons	R.D. Potter
C.M. Fisher	H. Propost

E.E. Francisco, Jr.	G.C. Rodgers
H.F. Guggenheim	R.D. Wolcott
J.W. Long	J. Zabady
W.D. Morgan	

Letters **FROM** Dr. Robert H. Goddard, July 5-August 24, 1944

Letters **FROM** Dr. Robert H. Goddard, September 4-October 31, 1944

Letters **FROM** Dr. Robert H. Goddard, November 1-December 29, 1944

Letters **FROM** Dr. Robert H. Goddard, January 2-31, 1945

Letters **FROM** Dr. Robert H. Goddard, February 2-March 23, 1945

Letters **FROM** Dr. Robert H. Goddard, April 2-May 30, 1945

Letters **FROM** Dr. Robert H. Goddard, June 4-23, 1945

Letters **FROM** Dr. Robert H. Goddard and/or Mrs. Goddard, July 24
December 12, 1945 and undated.

Letters **ABOUT** Dr. Goddard & Miscellaneous Correspondence,
August 15, 1944-December 5, 1945

Greeting Cards

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CARBON COPIES OF DR. GODDARD'S CORRESPONDENCE

BOX 2-2-1

R.H.G. Carbons 1895-1936

R.H.G. Carbons - 1895-1899

R.H.G. Carbons - 1900-1910

R.H.G. Carbons - 1911-1920

R.H.G. Carbons - 1921-1929

R.H.G. Carbons - 1930

R.H.G. Carbons - 1931

R.H.G. Carbons - 1932

R.H.G. Carbons - 1933

R.H.G. Carbons - 1934

R.H.G. Carbons - 1935

R.H.G. Carbons - Jan. - April, 1936

R.H.G. Carbons - May - Dec., 1936

BOX 2-2-2

R.H.G. Carbons - 1937-June 1941

R.H.G. Carbons - Jan. - June, 1937
 R.H.G. Carbons - July - Dec. 1937
 R.H.G. Carbons - Jan. - June, 1938
 R.H.G. Carbons - July - Dec., 1938
 R.H.G. Carbons - Jan. - June, 1939
 R.H.G. Carbons - July - Dec., 1939
 R.H.G. Carbons - Jan. - April 1940
 R.H.G. Carbons - May - Aug. 1940
 R.H.G. Carbons - Sept. - Dec. 1940
 R.H.G. Carbons - Jan. - Mar. 1941
 R.H.G. Carbons - April - June 1941

BOX 2-2-3

R.H.G. Carbons - July 1941-Aug. 1945

R.H.G. Carbons - July - Sept. 1941
 R.H.G. Carbons - Oct. - Dec. 1941
 R.H.G. Carbons - Jan. - Mar. 1942
 R.H.G. Carbons - April - June 1942
 R.H.G. Carbons - July - Sept. 1942
 R.H.G. Carbons - Oct. - Dec. 1942
 R.H.G. Carbons - Jan. - Mar. 1943
 R.H.G. Carbons - April - June 1943
 R.H.G. Carbons - July - Sept. 1943
 R.H.G. Carbons - Oct. - Dec. 1943
 R.H.G. Carbons - Jan. - Mar. 1944
 R.H.G. Carbons - April - June 1944
 R.H.G. Carbons - July - Sept. 1944
 R.H.G. Carbons - Oct. - Dec. 1944
 R.H.G. Carbons - Jan. - Mar. 1945
 R.H.G. Carbons - April - Aug. 1945

SERIES 3

ACADEMICS

BOX 3-1

Robert H. Goddard's Test Papers while at W.P.I.,
 Laboratory Experiments [xerox copies], January 5, 1906-
 February 25, 1907
 R.H. Goddard's Test Papers while at W.P.I., [xerox
 copies], March 7, 1907-May 11, 1908
 R.H. Goddard's Laboratory Experiments while
 at W.P.I., [xerox copies], n.d.
 M.A. Thesis, 1910 [boxed separately]

BOX 3-2

Lecture Notebooks, 1911-1926 & n.d. (11 notebooks)
 Seminar on High Potentials at Clark University,
 March 19, 1928

SERIES 4 ROCKET THEORY AND EXPERIMENTS, 1903-1945

- BOX 4-1 (stored in the fireproof file cabinet)
 Red Notebooks, 1924-1939 (10 notebooks)
 Green Notebooks, 1905-1915 (5 notebooks)
 Journal, 1905-1908
 "Suggestions", 1903
 "Rough Notes", n.d.
 "Early Tests with Liquid Propellants, Clark
 University", 1903-1928
 RHG's Excerpts from Red and Green Notebooks
- BOX 4-2 Miscellaneous Notes, 1913-1945
 Test Data & Correspondence for Recoilless Gun
 (trench mortar), 1918
 Blueprints for Recoilless Gun (trench
 mortar), 1918
 Adaption of Multiple Charge Rocket for Projection
 of Gas and Explosives; the Multiple Charge
 Principle, 1918
 R.H. Goddard's Experiments on a Depth Charge
 Projector & a Rocket Projectile (conducted
 under the direction of the U.S. Navy,
 Bureau of Ordnance), 1920
 R.H. Goddard's Experiments on a Depth Charge
 Projector & a Rocket Projectile (conducted
 under the direction of the U.S. Navy,
 Bureau of Ordnance), 1921
 R.H. Goddard's Experiments on a Depth Charge
 Projector & a Rocket Projectile (conducted
 under the direction of the U.S. Navy,
 Bureau of Ordnance), 1922
 R.H. Goddard's Experiments on a Depth Charge
 Projector & a Rocket Projectile (conducted
 under the direction of the U.S. Navy,
 Bureau of Ordnance), 1922 [cont.]
 R.H. Goddard's Experiments on a Depth Charge
 Projector & a Rocket Projectile (conducted
 under the direction of the U.S. Navy,
 Bureau of Ordnance), 1923
 Test Notes, February 25, 1922

- BOX 4-3 Test Notes, May 31, 1928-July 17, 1929
 Section 9, Tests at Camp Devens, MA, ca.
 August, 1929-1930
 Section 9, Tests at Camp Devens, MA, ca.
 August, 1929-1930 [cont.]
 Section 10, Test Nos. 45-78, October, 1930-
 July, 1932
 Section 10, Test Nos. 45-78, October, 1930-
 July, 1932 [cont.]
 Miscellaneous Notes, 1933-1942
 Inventory of Materials and Equipment for Rocket Research at
 Roswell, New Mexico, September 1934
 General Notes, 1934-1940
- BOX 4-4 Reports of Work in Roswell, New Mexico, August
 1930-July 1932
 Outline of Work Performed in 1932-33 on Rocket Problems
 At Clark University
 Test Reports from December 23, 1929-December
 18, 1936
 Outline of a Ten Year Program on Rocket Development,
 Written August 1938 at C. Lindbergh's request.
 Volunteers to go to the Moon, ca. 1920
- BOX 4-5 List of Notes [notes on "A", "K", "L", "P" Series as well as others,
 written by RHG in planning a book for Prentice-Hall.]
 "A" Test Series, Test Nos. A1-A14, January
 15-October 29, 1935
 "A" Test Series, Test Nos. A1-A14, January
 15-October 29, 1935 [cont.]
 "K" Test Series, Test Nos. K1-K10, November
 22, 1935-February 12, 1936
 "L" Series, Test Nos. 1-7, May 11-November 7,
 1936
 "L" Series, Test Nos. 1-7, May 11-November 7,
 1936 [cont.]
 "L" Series, Test Nos. 8-15, November 24,
 1936-May 19, 1937
- BOX 4-6 "L" Series, Test Nos. 8-15, November 24,
 1936-May 19, 1937 [cont.]
 "L" Series, Test Nos. 16-21, July 28-November
 24, 1937

"L" Series, Test Nos. 16-21, July 28-November 24, 1937 [cont.]
 "L" Series, Test Nos. 22-26, December 18, 1937-March 6, 1938
 "L" Series, Test Nos. 22-26, December 18, 1937-March 6, 1938 [cont.]
 "L" Series, Test Nos. 27-30, March 17-August 9, 1938
 "L" Series, Test Nos. 27-30, March 17-August 9, 1938 [cont.]
 "L" Series, Test Nos. 1-23, May 11, 1936-December 23, 1937 [typed]

BOX 4-7

Table of P Series Tests
 "P" Series, Test Nos. 1-5k, January 6-April 28, 1939
 "P" Series, Test Nos. 1-5k, January 6-April 28, 1939 [cont.]
 "P" Series, Test Nos. 5-12, May 18-August 4, 1939
 "P" Series, Test Nos. 5-12, May 18-August 4, 1939
 "P" Series, Test Nos. 13 & 14, November 18-December 2, 1939
 "P" Series, Test Nos. 13 & 14, November 18-December 2, 1939 [cont.]

BOX 4-8

"P" Series, Test No. 15, February 9, 1940
 "P" Series, Test No. 15, February 9, 1940 [cont.]
 "P" Series, Test Nos. 16-23, March 21-August 9, 1940
 "P" Series, Test Nos. 16-23, March 21-August 9, 1940 [cont.]
 "P" Series, Test Nos. 24-36, December 18, 1940-October 10, 1941
 "P" Series, Test Nos. 24-36, December 18, 1940-October 10, 1941 [cont.]

BOX 4-9

Notes on Chambers, April 3, 1938-September 26, 1941
 Notes on Chambers, June 10, 1938-December 5, 1939
 Pump Tests, September-December, 1938
 Pump Tests, Test Nos. 4-12, January 30-April

25, 1942

Various Tests, October 15, 1941-May 26, 1942

High Pressure Tank Tests, Test Nos. 20-34,

June 5-August 15, 1942

Goddard Crew, Employees, Papers Assuming Secrecy,
1924-1945

BOX 4-10

High Pressure Tank Test, Test Nos. 35-99,

August 15-November 18, 1942; High Pressure

Tank Test, Test Nos. B1-B29, November 26- January 9, 1943

Tests at Annapolis, January 9, 1943-March 17, 1944

Summary of Powder Rocket Research carried Out

During 1917 to 1923, May-September, 1943

Supplement to Summary of Powder Rocket Research

Carried Out During 1917 to 1923, Fall 1943

BOX 4-11

Proposal, Reports, Test Data for Jet Assisted

Take-off of PBV, 1940-1942

Contract Negotiations between Dr. Goddard &

U.S. Navy, Contract No. 192, Correspondence

& Contract, October 26, 1940-October 22, 1945

Contract Negotiations between Dr. Goddard & U.S. Navy, Contract No. 4168,

Correspondence & Contract, January 2, 1944 - January 7, 1946

Contract Negotiations between Dr. Goddard & U.S. Navy, Contract No. 6174,

Correspondence & Contract, December 24, 1944 - January 19, 1946

Test Reports to Navy Department, Contract No. 9139, & Army Air Corp.,

Contract No. 42-7280, December 24, 1941-December 1, 1942

Memoranda & Purchase Vouchers, U.S. Navy Bureau of Aeronautics,

Contract No. 91391, 1941-1942

Expense Statements, Memoranda, Requisitions, 1942

Expense, Income Statements & Supplementary Report, Navy Bureau of

Aeronautics, January 4 - October 1, 1943

Inventions, Memoranda & Report on Long Range Rocket Development,

March-November, 1944

Test Graphs, U.S. Navy Bureau of Ordnance, Roswell, NM, Test Nos. 6-27,

February 12-June 27, 1942

Test Graphs, U.S. Navy Bureau of Ordnance, Annapolis, MD, Test Nos.

28-40, July 30-August 29, 1942

Test Graphs, U.S. Navy Bureau of Ordnance, Annapolis, MD, Test Nos.

41-49, August 30-September 10, 1942

Test Graphs, U.S. Navy Bureau of Ordnance, Annapolis, MD, Test Nos.

A1, 68, 73, 96, October 14-November 13, 1942

Test Data, Memoranda, Reports, Navy Bureau of Aeronautics, January 17-

August 4, 1945

Box 4-12

Esther Goddard Notecards on Rocket Parts and Systems and Test Results

Listing of rocket parts and systems described in RHG's progress reports
to Navy Department, 1943-1944

Combustion chambers

Fuel feeding

General rocket systems

Landing, launching, releasing, parachutes, instruments, etc.

Nossles

Pressure systems

Cooling/pumping

Steering

Turbines

Solar energy

Atomic energy

Non-rocket ideas and space travel

Tests - no. 45-78, 513-518

Tests - A series (A1-A14)

Tests - K series (K1-K10)

Tests - Pump test (P.T. 1-8)

Tests - L series (L1-L30)

Tests - P series (P1-P36)

Misc.

SERIES 5**CONSULTING ENGINEER, 1942-1945**

BOX 5-1

Memorandum for Air Corps Representatives, [July 7, 1941]

Assignment Agreement with Linde Air Product Co., 1942-1943

Contract Negotiations between D. Goddard & Curtiss-Wright Corporation,
Correspondence, Assignment, & Consultant Agreements,
October 5, 1942-June 22, 1945

Drafts, Memoranda, Notes on Contract between Dr. Goddard &
Curtiss-Wright Corporation

Memoranda & Report to Curtiss-Wright Corporation, July 28 -
November 8, 1943

Memoranda & Report to Curtiss-Wright Corporation, February 1-July 28, 1944

Blueprints for Memoranda & Report to Curtiss-Wright Corporation, July 28,
1943-July 28, 1944

Blueprints of Parts, Curtiss-Wright Corporation, March-April, 1944

List, Memoranda, Purchase Order, Curtiss-Wright Corporation, 1943-1944
Contracts, 1918-1938

SERIES 6 REPORTS AND STATEMENTS OF ROCKET DEVELOPMENT

- BOX 6-1 Reports to the Smithsonian Institution, September 11, 1919-August 1, 1923
 Reports to the Smithsonian Institution, March 25, 1924-April 28, 1928
 Reports to the Smithsonian Institution, January 12, 1929-July 27, 1938
 Copies of Correspondence Leading to First Grant in 1917
 Copies of Reports to the Smithsonian Institution, November 6-7, 1918
 Reports & Statements on Rocket Development to Clark University, 1921-1934
 Clark University Research Corp., Charter/Correspondence/Minutes, 1930-1931
 Copies of Reports by RHG to Smithsonian Institution 1927-1931
- BOX 6-2 The Daniel & Florence Guggenheim Foundation, October 6, 1930 -
 December 15, 1931
 The Daniel & Florence Guggenheim Foundation, April, 1932 -
 January 29, 1934
 The Daniel & Florence Guggenheim Foundation, January 29, 1934 -
 July 27, 1935
 The Daniel & Florence Guggenheim Foundation, December, 1935 -
 April 18, 1938
 The Daniel & Florence Guggenheim Foundation, February, 1937 -
 June 1, 1939
 The Daniel & Florence Guggenheim Foundation, June 1, 1937 -
 March 1, 1941
- BOX 6-3 4th Progress Report, Navy Department, Contract no. 91391, Dec. 1, 1942
 1st Bi-monthly Progress Report, Navy Department, Contract no. NOa(s)192,
 March 15, 1943
 2nd Bi-monthly Progress Report, Navy Department, Contract no. NOa(s)192,
 May 15, 1943
 3rd Bi-monthly Progress Report, Navy Department, Contract no. NOa(s)192,
 July 15, 1943
 4th Bi-monthly Progress Report, Navy Department, Contract no. NOa(s)192,
 Sept. 15, 1943
 5th Bi-monthly Progress Report, Navy Department, Contract no. NOa(s)192,
 Nov. 15, 1943
 6th Bi-monthly Progress Report, Navy Department, Contract no. NOa(s)192,
 Jan. 15, 1944
 Report on Maximum Fuel Economy for Thermal Air, and Rocket, Propulsion,
 Feb. 1, 1944
 7th Bi-monthly Progress Report, Navy Department, Contract no. NOa(s)192,
 March 15, 1944 (2 copies)
 8th Bi-monthly Progress Report, Navy Department, Contract no. NOa(s)192,

May 15, 1944
 9th Bi-monthly Progress Report, Navy Department, Contract no. NOa(s)192,
 July. 15, 1944
 1st Monthly Progress Report, Navy Department, Contract no. NOa(s)4168,
 July 31, 1944
 2nd Monthly Progress Report, Navy Department, Contract no. NOa(s)4168,
 Aug. 31, 1944
 3rd Monthly Progress Report, Navy Department, Contract no. NOa(s)4168,
 Sept. 30, 1944
 4th Monthly Progress Report, Navy Department, Contract no. NOa(s)4168,
 Oct. 31, 1944
 5th Monthly Progress Report, Navy Department, Contract no. NOa(s)4168,
 Nov. 30, 1944
 6th Monthly Progress Report, Navy Department, Contract no. NOa(s)4168,
 Dec. 31, 1944
 1st Monthly Progress Report, Navy Department, Contract no. NOa(s)6174,
 Jan. 31, 1945
 2nd Monthly Progress Report, Navy Department, Contract no. NOa(s)6174,
 Feb. 28, 1945
 3rd Monthly Progress Report, Navy Department, Contract no. NOa(s)6174,
 Mar. 31, 1945
 4th Monthly Progress Report, Navy Department, Contract no. NOa(s)6174,
 Apr. 30, 1945 (2 copies)
 5th Monthly Progress Report, Navy Department, Contract no. NOa(s)6174,
 May 31, 1945

SERIES 7**PATENTS CASES****SUBSERIES 1****APPLICATIONS, NOTES, AND CORRESPONDENCE****BOX 7-1-1****Notes on Devices Later Patented & Miscellaneous Notes**

Combustion Chamber Cooling & Fuel Injection

Explosion Engine, ca. 1920

Igniters, Nozzles, Steering, Launching, Storage Tanks Projectile

 Cooling, Successive Combustion Chambers

Flow Control & Measurement, & Systems

General Rocket Systems (Cases 47, 58, 58 CN, 61)

Pumps & Turbines (Cases 58, 58 CNA, 58 CN)

Rese-Jets (Resonance Chambers, V-1)

Rotating Chambers (Case 65, Patent No. 2,395,114 & others)

Turbo Prop.

Reflection of Detonation, 1929-1938

Hercules Powder Co., Reflections of Detonations, 1942-1944
 Thermostatic Control of Chamber & Nozzle Temperatures,
 ca. 1927-1929
 Pump Data (Pump-Turbine designs), 1934-1935, 1937-1938
 Miscellaneous Data, 1936, 1939, 1942, 1944 (steam jet air pumps,
 alnico, high altitudes, augmentor)

BOX 7-1-2 Correspondence between Robert H. Goddard and Charles T. Hawley re patents
 (either general in nature or covering more than one case)

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Patent Cases #B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q

Patent Cases #R, S, X

Patent Cases #Y, Z

Patent Case #Z [cont.]

Patent Case #19

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Patent Case #27

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Patent Case #65
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Patent Case #67
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Patent Case #71
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Patent Cases #73, 73a
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Reference Patents for Patent Cases #75, 75a, 75b
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Patent Case #78
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Patent Cases #79, 79a
Patent Case #80
Patent Case #80x

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Patent Cases #82, 83
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Patent Cases #93, 94
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BLUEPRINTS FOR PATENT CASES

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Blueprints for Patent Cases #D-44

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Patent Case #J
Patent Case #R
Patent Case #S
Patent Case #X
Patent Case #Y
Patent Case #19
Patent Case #20
Patent Case #23
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Patent Case #25
Patent Case #26
Patent Case #27
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Patent Case #29
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Patent Case #30
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Patent Case #31
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Patent Case #33
Patent Case #34
Patent Case #34a
Patent Case #34b
Patent Case #35
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Patent Case #37

Patent Case #38
Patent Case #39
Patent Case #40
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Blueprints for Patent Cases #45-59

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Patent Case #48a
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Patent Case #52
Patent Case #53
Patent Case #54
Patent Case #55
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Blueprints for Patent Cases #60-73a

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Patent Case #75b
Patent Case #76
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Patent Case #78b
Patent Case #79
Patent Case #79a
Patent Case #80
Patent Case #80x
Patent Case #80xa
Patent Case #80xb
Patent Case #81
Patent Case #82
Patent Case #83
Patent Case #84
Patent Case #84a
Patent Case #85
Patent Case #86
Patent Case #87
Patent Case #88
Patent Case #89
Patent Case #90
Patent Case #91
Patent Case #91a
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Blueprints for Patent Cases #93-130

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Patent Case #102
Patent Case #103
Patent Case #104
Patent Case #105
Patent Case #106
Patent Case #107
Patent Case #108
Patent Case #108a
Patent Case #109
Patent Case #110
Patent Case #111
Patent Case #112
Patent Case #112a
Patent Case #113
Patent Case #114
Patent Case #115
Patent Case #116
Patent Case #117
Patent Case #118
Patent Case #119
Patent Case #120
Patent Case #121
Patent Case #122
Patent Case #123
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Patent Case #125
Patent Case #126
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Patent Case #132
Patent Case #133
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Patent Case #134
Patent Case #135

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Patent Case #140
Patent Case #141
Patent Case #142
Patent Case #143
Patent Case #144
Patent Case #145
Patent Case #146
Patent Case #147
Patent Case #147a
Patent Case #148
Patent Case #149
Patent Case #150
Patent Case #151
Patent Case #152
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Patent Case #160
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 Patent Case #180
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 Patent Case #184
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 Patent Case #205
 Patent Case #206
 Patent Case #207
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 Patent Case #210
 Miscellaneous Blueprints of Dr. Goddard's
 Miscellaneous Blueprints sent to Dr. Goddard

SUBSERIES 3**ORIGINAL U.S. LETTERS PATENTS AND FOREIGN PATENTS**

BOX 7-3-1

U.S. Letters Patent #1,137,961 - 2,109,529, May 4, 1915-March 1, 1938

U.S. Patent #1,137,961

U.S. Patent #1,154,009

U.S. Patent #1,191,299
U.S. Patent #1,194,496
U.S. Patent #1,206,837
U.S. Patent #1,311,885
U.S. Patent #1,341,053
U.S. Patent #1,363,037
U.S. Patent #1,661,473
U.S. Patent #1,700,675
U.S. Patent #1,809,115
U.S. Patent #1,834,149
U.S. Patent #1,860,891
U.S. Patent #1,879,186
U.S. Patent #1,879,187
U.S. Patent #1,951,403
U.S. Patent #1,951,404
U.S. Patent #1,969,839
U.S. Patent #1,969,840
U.S. Patent #1,980,266
U.S. Patent #2,016,921
U.S. Patent #2,026,885
U.S. Patent #2,039,217
U.S. Patent #2,085,800
U.S. Patent #2,090,038
U.S. Patent #2,090,039
U.S. Patent #2,109,529

BOX 7-3-2

U.S. Letters Patent #2,122,521 - 2,397,998, July 5, 1938-April 9, 1946

U.S. Patent #2,122,521
U.S. Patent #2,127,865
U.S. Patent #2,158,180
U.S. Patent #2,158,181
U.S. Patent #2,158,182
U.S. Patent #2,183,311
U.S. Patent #2,183,312
U.S. Patent #2,183,313
U.S. Patent #2,183,314
U.S. Patent #2,217,649
U.S. Patent #2,271,224
U.S. Patent #2,281,971
U.S. Patent #2,286,908
U.S. Patent #2,286,909
U.S. Patent #2,307,125
U.S. Patent #2,394,852
U.S. Patent #2,394,853

U.S. Patent #2,395,113
U.S. Patent #2,395,114
U.S. Patent #2,395,403
U.S. Patent #2,395,404
U.S. Patent #2,395,405
U.S. Patent #2,395,406
U.S. Patent #2,395,435
U.S. Patent #2,395,809
U.S. Patent #2,396,321
U.S. Patent #2,396,566
U.S. Patent #2,396,567
U.S. Patent #2,396,568
U.S. Patent #2,397,657
U.S. Patent #2,397,658
U.S. Patent #2,397,659
U.S. Patent #2,397,998

BOX 7-3-3

U.S. Letters Patent #2,397,999 - 2,515,645, April 9, 1946-July 18, 1950

U.S. Patent #2,397,999
U.S. Patent #2,405,785
U.S. Patent #2,409,036
U.S. Patent #2,424,610
U.S. Patent #2,450,950
U.S. Patent #2,456,402
U.S. Patent #2,463,098
U.S. Patent #2,465,525
U.S. Patent #2,465,526
U.S. Patent #2,465,527
U.S. Patent #2,468,820
U.S. Patent #2,476,185
U.S. Patent #2,479,829
U.S. Patent #2,482,260
U.S. Patent #2,482,261
U.S. Patent #2,482,262
U.S. Patent #2,486,019
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U.S. Patent #2,488,287
U.S. Patent #2,491,610
U.S. Patent #2,492,569
U.S. Patent #2,492,570
U.S. Patent #2,496,710
U.S. Patent #2,496,711
U.S. Patent #2,498,263
U.S. Patent #2,500,537

U.S. Patent #2,507,970
U.S. Patent #2,510,570
U.S. Patent #2,510,571
U.S. Patent #2,510,572
U.S. Patent #2,511,979
U.S. Patent #2,515,643
U.S. Patent #2,515,644
U.S. Patent #2,515,645

BOX 7-3-4

U.S. Letters Patent #2,516,462 - 2,540,666, July 25,1950-February 6, 1951

U.S. Patent #2,516,462
U.S. Patent #2,518,000
U.S. Patent #2,518,001
U.S. Patent #2,518,002
U.S. Patent #2,518,003
U.S. Patent #2,518,880
U.S. Patent #2,518,881
U.S. Patent #2,518,882
U.S. Patent #2,522,113
U.S. Patent #2,522,114
U.S. Patent #2,523,008
U.S. Patent #2,523,009
U.S. Patent #2,523,010
U.S. Patent #2,523,011
U.S. Patent #2,523,012
U.S. Patent #2,523,654
U.S. Patent #2,523,655
U.S. Patent #2,523,656
U.S. Patent #2,526,219
U.S. Patent #2,526,220
U.S. Patent #2,526,221
U.S. Patent #2,526,222
U.S. Patent #2,526,223
U.S. Patent #2,526,224
U.S. Patent #2,528,133
U.S. Patent #2,528,134
U.S. Patent #2,532,708
U.S. Patent #2,532,710
U.S. Patent #2,532,711
U.S. Patent #2,532,712
U.S. Patent #2,536,597
U.S. Patent #2,536,598
U.S. Patent #2,536,599
U.S. Patent #2,536,600

U.S. Patent #2,536,601
 U.S. Patent #2,540,665
 U.S. Patent #2,540,666

BOX 7-3-5

U.S. Letters Patent #2,544,418 - 2,594,766, March 6, 1951-April 29, 1952

U.S. Patent #2,544,418
 U.S. Patent #2,544,419
 U.S. Patent #2,544,420
 U.S. Patent #2,544,421
 U.S. Patent #2,544,422
 U.S. Patent #2,544,423
 U.S. Patent #2,548,430
 U.S. Patent #2,551,111
 U.S. Patent #2,551,112
 U.S. Patent #2,551,113
 U.S. Patent #2,551,114
 U.S. Patent #2,551,115
 U.S. Patent #2,555,080
 U.S. Patent #2,555,081
 U.S. Patent #2,555,082
 U.S. Patent #2,555,083
 U.S. Patent #2,555,084
 U.S. Patent #2,555,085
 U.S. Patent #2,558,483
 U.S. Patent #2,558,484
 U.S. Patent #2,563,022
 U.S. Patent #2,563,023
 U.S. Patent #2,563,024
 U.S. Patent #2,563,025
 U.S. Patent #2,563,026
 U.S. Patent #2,563,027
 U.S. Patent #2,563,028
 U.S. Patent #2,563,029
 U.S. Patent #2,569,887
 U.S. Patent #2,576,678
 U.S. Patent #2,580,908
 U.S. Patent #2,591,421
 U.S. Patent #2,591,422
 U.S. Patent #2,594,765
 U.S. Patent #2,594,766

BOX 7-3-6

**U.S. Letters Patent #2,599,103 - 2,770,255, June 3, 1952-November 13, 1956;
 British Patent 133,096, February 29, 1918; French Patent 498,797, October
 31, 1919**

U.S. Patent #2,599,103
U.S. Patent #2,599,104
U.S. Patent #2,602,290
U.S. Patent #2,602,293
U.S. Patent #2,602,610
U.S. Patent #2,606,421
U.S. Patent #2,609,658
U.S. Patent #2,610,064
U.S. Patent #2,612,746
U.S. Patent #2,612,750
U.S. Patent #2,612,752
U.S. Patent #2,616,373
U.S. Patent #2,624,360
U.S. Patent #2,627,876
U.S. Patent #2,628,064
U.S. Patent #2,630,674
U.S. Patent #2,630,680
U.S. Patent #2,633,699
U.S. Patent #2,633,700
U.S. Patent #2,633,706
U.S. Patent #2,641,040
U.S. Patent #2,651,171
U.S. Patent #2,654,997
U.S. Patent #2,667,740
U.S. Patent #2,674,848
U.S. Patent #2,687,614
U.S. Patent #2,687,646
U.S. Patent #2,689,453
U.S. Patent #2,695,496
U.S. Patent #2,709,887
U.S. Patent #2,709,890
U.S. Patent #2,712,962
U.S. Patent #2,717,182
U.S. Patent #2,718,899
U.S. Patent #2,722,100
U.S. Patent #2,726,510
U.S. Patent #2,749,706
U.S. Patent #2,749,884
U.S. Patent #2,760,335
U.S. Patent #2,770,251
U.S. Patent #2,770,255
British Patent #133,096
French Patent #498,797

SUBSERIES 4 COPIES OF U.S. LETTERS PATENTS

BOX 7-4-1 Patents: U.S. Letters Patent #1,102,653 - 2,456,402, July 7, 1914 - December 14, 1948 [copies]
 U.S. Patents #1,102,653 - 1,661,473, July 7, 1914-March 6, 1928
 U.S. Patents #1,700,675 - 1,980,266, January 29, 1929-November 13, 1934
 U.S. Patents #2,016,921 - 2,158,182, October 8, 1935-May 16, 1939
 U.S. Patents #2,183,311 - 2,394,853, December 12, 1939-February 12, 1946
 U.S. Patents #2,396,113 - 2,396,567, February 19, 1946-March 12, 1946
 U.S. Patents #2,396,568 - 2,456,402, March 12, 1946-December 14, 1948

BOX 7-4-2 Patents: U.S. Letters Patent #2,463,098 - 2,770,255, March 1, 1949- November 13, 1956 [copies]
 U.S. Patents #2,463,098 - 2,492,570, March 1, 1949-December 27, 1949
 U.S. Patents #2,496,710 - 2,518,882, February 7, 1950-August 15, 1950
 U.S. Patents #2,522,113 - 2,532,712, September 12, 1950-December 5, 1950
 U.S. Patents #2,536,597 - 2,551,115, January 2, 1951-May 1, 1951
 U.S. Patents #2,555,080 - 2,576,678, May 29, 1951-November 27, 1951
 U.S. Patents #2,580,908 - 2,628,064, January 1, 1952-February 10, 1953
 U.S. Patents #2,630,674 - 2,709,890, March 10, 1953-June 7, 1955
 U.S. Patents #2,712,962 - 2,770,255, July 12, 1955-November 13, 1956

BOX 7-4-3 U.S. Letters Patent #1,102,653 - 2,491,610, July 7, 1914-December 20, 1949 [copies]
 U.S. Patents #1,102,653 - 1,809,271, July 7, 1914-June 9, 1931
 U.S. Patents #1,834,149 - 2,039,217, December 1, 1931-April 28, 1936
 U.S. Patents #2,085,800 - 2,271,224, July 6, 1937-January 27, 1942
 U.S. Patents #2,281,971 - 2,395,809, May 5, 1942-March 5, 1946
 U.S. Patents #2,396,321 - 2,397,999, March 12, 1946-April 9, 1946
 U.S. Patents #2,405,785 - 2,491,610, August 13, 1946-December 20, 1949

BOX 7-4-4 U.S. Letters Patent #2,492,569 - 2,770,255, December 27, 1949 - November 13, 1956 [copies]
 U.S. Patents #2,492,569 - 2,523,656, December 27, 1949-September 26, 1950
 U.S. Patents #2,526,219 - 2,551,111, October 17, 1950-May 1, 1951
 U.S. Patents #2,551,112 - 2,591,422, May 1, 1951-April 1, 1952
 U.S. Patents #2,594,765 - 2,633,699, April 29, 1952-April 7, 1953
 U.S. Patents #2,633,700 - 2,770,255, April 7, 1953-November 13, 1956

SUBSERIES 5 DUPLICATE MATERIAL REMOVED FROM PATENT FILES

BOX 7-5-1 Cases B - Z (duplicates), Case #19 - Case #30 ½

Case B - Z (duplicates)

Case 19 - Means for cooling combustion chambers

Case 20

Case 21

Case 22

Case 23 - Apparatus for absorbing solar energy

Case 24

Case 25 - Heat absorbing apparatus for use with solar energy

Case 26 - Focusing mirror and directing mechanism therefore

Case 27 - Propulsion apparatus

Case 28

Case 29 - Method of welding thin metal structures

Case 29 ½ - Nozzle for use in welding thin metal structures

Case 30 - Seal for centrifugal pumps

Case 30 ½ - Heat insulative coupling

BOX 7-5-2

Cases 31 - 42

Case 31 - Aircraft construction

Case 32 - Igniter

Case 33 - Combustion apparatus

Case 34 - Gyroscopic steering apparatus

Case 34a - Delayed action reversing switch

Case 34b - Fuel storage and discharge apparatus

Case 35 - Re-enforced construction for light hollow members

Case 36 - Cooling jacket construction

Case 37 - Means for steering aircraft

Case 38 - Parachute attachment for aircraft

Case 39 - Combustion chamber for aircraft

Case 40 - Gyroscopic apparatus for directing flight

Case 41 - Combustion chamber (rotating)

Case 42 - Rocket apparatus (multiple?)

BOX 7-5-3

Cases 43 - 49

Case 43 - Combustion chamber for rocket apparatus

Case 44 - Aerial propulsion apparatus (hydrogen)

Case 45 - Rocket directing apparatus

Case 46 - Direct heat transfer

Case 47 - Several Rocket systems

Case 48 - Propelling apparatus for aircraft (laterally displaced)

Case 48a - Propelling apparatus for aircraft (laterally displaced turbine)

Case 49 - Liquid cooled bearing

BOX 7-5-4

Cases 50 - 58

Case 50 - Acceleration and deceleration

Case 51 - Turbine launching (in flight)
 Case 52 - Liquid feeding (bomb case)
 Case 53 - Control system (Thompson)
 Case 54 - Landing system
 Case 55 - Combustion chamber
 Case 55a - Scavenging system for rocket motors utilizing liquid nitrogen
 Case 56 - Turbine launching (in tower)
 Case 57 - Combustion chamber (tangential zones)
 Case 58 - Control mechanism for rocket apparatus

BOX 7-5-5

Cases 58 con't - 66

Case 58 CN - Control mechanism for rocket apparatus
 Case 58 CNA - Pump sealing means
 Case 59 - Airplane tank
 Case 60 - Combustion apparatus
 Case 60a - Combustion apparatus, including flame type ignition means
 Case 61 - Gas producing apparatus
 Case 62 - Combustion apparatus
 Case 62a - Fuel controlling apparatus for longitudinally movable combustion chamber
 Case 63 - Apparatus for steering aircraft
 Case 64 - Feeding device for combustion chambers
 Case 65 - Rotating combustion chamber for rocket apparatus
 Case 66 - Combustion chamber and means for supplying plural liquid fuels thereto

BOX 7-5-6

Cases 67 -74

Case 67 - Temperature-responsive control device
 Case 68 - Jet control apparatus applicable to extrainment of fluids
 Case 69 - Rotating combustion apparatus
 Case 70 - Rotating combustion chamber with continuous rearward discharge
 Case 70a - Gas-operated means for driving rotating combustion chambers
 Case 71 - Reaction combustion chamber
 Case 72 - Fuel feeding mechanism for detonating combustion apparatus
 Case 73 - Combustion chamber
 Case 73a - Liquid-cooled discharge nozzle
 Case 74 - Feeding apparatus
 Case 74a - Liquid feeding device
 Case 74b - Feeding apparatus

BOX 7-5-7

Cases 75 - 80xa

Case 75 - Apparatus for vacuum tube transportation
 Case 75a - Apparatus for vacuum tube transportation
 Case 75b - Apparatus for vacuum tube transportation

Case 76 - Centrifugal pump
 Case 77 - Vacuum tube transportation system
 Case 78 - Propulsion apparatus
 Case 78a - Propulsion apparatus
 Case 78b - Propulsion apparatus
 Case 79 - Feeding and cooling means for continuously operated internation
 combustion chamber
 Case 79a - Composite jacketed discharge nozzle
 Dupes - case #80x
 Case 80 - Resonance combustion apparatus
 Case 80xa - Pressure regulating and shaft positioning mechanism

BOX 7-5-8

Cases 80XB - 98

Case 80xb - Shaft positioning mechanism for turbine-driven pumps
 Case 81 - Mechanism for coaxial feeding
 Case 82 - Jet directive devices
 Case 83 - Auxiliary combustion chamber
 Case 84 - Multiple discharge nozzles
 Case 84a - Combustion chambers for propulsion apparatus
 Case 85 - Rotatable discharge nozzles
 Case 86 - Means for supplying liquids to a combustion chamber
 Case 87 - Target-type combustion chamber
 Case 88 - Mixing target for combustion chamber
 Case 89 - Combustion chamber with annular target area
 Case 90 - Combustion chamber for high energy fuel
 Case 90a - Liquid fuel and oxidizing jacketed combustion chamber
 Case 91 - Combustion chamber with target recess
 Case 91a - Combustion chamber with multiple target recesses
 Case 92 - Revolving combustion chamber
 Case 93 - Rotating combustion chamber
 Case 94 - Rotating combustion chamber
 Case 95 - Ring valve construction for combustion chamber
 Case 96 - Rotatable combustion chamber
 Case 97 - Turbine starting and control apparatus
 Case 98 - Premizing combustion chamber

BOX 7-5-9

Cases 98a - 117

Case 98a - Premising and combustion mechanism
 Case 99 - Recoil operated feeding apparatus
 Case 100 - Double jacket means for feeding two liquids to a combustion
 chamber
 Case 101 - Liquid fuel feeding means
 Case 102 - Apparatus for feeding a liquid fuel
 Case 103 - Feeding apparatus

Case 104 - Pumping apparatus for very cold liquids
 Case 105 - Liquid cooled baffles
 Case 106 - Apparatus for steering aircraft
 Case 107 - Combined air and fuel control valve
 Case 108 - Means to vary the effective length of certain component parts
 Case 108a - Fuel admission device
 Case 109 - Sleeve valves
 Case 110 - Centrifugal pump
 Case 111 - Deflector for resonance combustion chamber
 Case 112 - Means for cooling projected devices
 Case 112a - Means for cooling projected devices
 Case 113 - Device for feeding liquid combustion agents
 Case 114 - Admission valve mechanism
 Case 115 - Power take-off for combustion gases
 Case 116 - Auxiliary turbine and pumps
 Case 117 - Mixture control apparatus

BOX 7-5-10

Cases 118 - 139

Case 118 - Launching apparatus for rocket craft
 Case 119 - Means for liquid cooling a combustion chamber
 Case 120 - Auxiliary power take-off for combustion chamber
 Case 121 - Rotating valves for multiple resonance combustion chamber
 Case 122 - Driving means for rotating combustion chamber
 Case 123 - Feeding and mixing means for rotating combustion chamber
 Case 124 - Mixing partition for combustion chamber
 Case 125 - Feeding means for rotating combustion chamber
 Case 126 - Combustion chamber with wide-angle discharge
 Case 127 - Reaction propulsion apparatus for aircraft
 Case 128 - Movably mounted auxiliary valves
 Case 129 - Multi-stage centrifugal pump
 Case 130 - Rotational fuel feed for combustion chamber
 Case 131 - Combustion chamber in rotating annular casing
 Case 132 - Steam production from cooling liquid in combustion chambers
 Case 133 - Cooling means and fuel-feeding apparatus
 Case 133a - Cooling jacket and heat-resistant cap for combustion chamber
 Case 134 - Fuel reeding and premixing apparatus
 Case 135 - Flow control mechanism for cooling system
 Case 136 - Fuel feeding and cooling constructions
 Case 137 - Vapor generating and control apparatus
 Case 138 - Spray nozzle
 Case 139 - Turbine drive mechanism

BOX 7-5-11

Cases 140 - 160

Case 140 - Gas-operated apparatus for pumping very cold liquids

- Case 141 - Combustion chamber with refractory lining
- Case 142 - Ignition apparatus for combustion chamber
- Case 143 - Rotating internal combustion chamber
- Case 144 - Cylindrical rotating valve mechanism
- Case 145 - Axial obturator for combustion chamber
- Case 146 - Means for deflecting axial flow
- Case 147 - Cooling and feeding means for a rotating combustion chamber
- Case 147a - Cooling and feeding means for a rotating combustion chamber
- Case 148 - Combustion apparatus comprising successive combustion chambers
- Case 149 - Intermittent feed mechanism
- Case 150 - Means for cooling turbine blades by air
- Case 151 - Means for cooling the blades of a turbine rotor
- Case 152 - Steam production in a jacketed combustion chamber
- Case 153 - Automatic control mechanism
- Case 154 - Steam-operated rotating combustion chamber
- Case 155 - Feeding and cooling wall structure
- Case 156 - Means for cooling a powder-burning combustion chamber
- Case 157 - Means for feeding concentric liquid sprays
- Case 158 - Cooling and feeding means for a rocket-type combustion chamber
- Case 159 - Fuel and water feeding steam discharge arrangement
- Case 160 - Rotating, feeding and cooling means

BOX 7-5-12

Cases 160a -182

- Case 160a - Valve mechanism for rotating feeding head
- Case 161 - Feed valve mechanism for rotating combustion chamber
- Case 162 - Liquid feeding mechanism
- Case 163 - Igniter part valve mechanism
- Case 164 - Quick-acting valve
- Case 165 - Nozzle structure
- Case 166 - Ring valve construction
- Case 167 - Multiple orifice nozzle
- Case 168 - Expanded conical nozzle
- Case 169 - Cooling mechanism
- Case 170 - Devices for opening up a stream of combustion gases
- Case 171 - Vane structure
- Case 172 - Augmenting and reflecting conical combustion chamber
- Case 173 - Two-liquid feeding device
- Case 174 - Two-liquid feeding device
- Case 175 - Cooling means for a combustion chamber
- Case 176 - Liquid sealing means
- Case 177 - Fuel tank for aircraft
- Case 178 - Combustion apparatus
- Case 179 - Combined igniting and fuel feed control mechanism
- Case 180 - Pressurized jacket construction

Case 181 - Rotating combustion chamber with fixed jacket casing
 Case 182 - Casing for powder charge in rocket-type combustion chamber

BOX 7-5-13

Cases 183 - 210

Case 183 - Circuit-closing device for fuel-feed apparatus
 Case 184 - Venturi control for liquid flow
 Case 185 - Means for supplying and cooling a rocket-type combustion chamber
 Case 186 - Apparatus for supplying liquid fuel and a vaporized oxidizer
 Case 187 - Zonal spray combustion chamber
 Case 188 - Proportional flow control by balanced magnetic forces
 Case 189 - High pressure reducing valve
 Case 190 - Shut-off valve with tapered seat
 Case 191 - Quick-acting shut-off valve
 Case 192 - Apparatus for feeding and intermingling combustion fluids
 Case 193 - Structure for feeding, intermingling, vaporizing and igniting
 Combustion liquids
 Case 194 - Two-liquid combustion chamber
 Case 195 - Apparatus for measuring the rate of flow in pipes
 Case 196 - Flight-control apparatus
 Case 197 - Mechanism for intermittent feeding of combustion liquids
 Case 198 - Solenoid-operated three-way valve
 Case 199 - Dual-range safety valve
 Case 200 - Pressure release seal for rotating member
 Case 201 - Combined reducing and safety valve
 Case 202 - Double deflecting spray nozzle
 Case 203 - Double-flow valve for liquids
 Case 204 - Tangential sheet cooling
 Case 205 - Pressure-operated feeding apparatus
 Case 206 - Flow-control valve
 Case 207 - Quick-acting reducing valve
 Case 208 - Mechanism for cooling a combustion chamber
 Case 209 - Apparatus for continuously feeding liquid fuel and oxidizer
 Case 210 - Fuel feed control

SUBSERIES 6

ESTHER GODDARD'S FINAL SUMMARY OF GODDARD PATENTS

BOX 7-6-1

ECG's final summary of Goddard's patents

SUBSERIES 7

TYPESETTINGS OF PATENT APPLICATION DIAGRAMS

BOX 7-7-1

4 Typesettings

SERIES 8**WRITINGS****BOX 8-1****Manuscripts, 1901-1919 [unpublished]**

"The Navigation of Space", Fall 1901

"A Frozen Swamp", ca. 1902, [2 Robert Goddard essay books, 1901-1902];

"On Taking Things For Granted" [RHG Valedictorian Address at South High School, Worcester, MA]

Essays by Dr. Goddard while at Worcester Polytechnic Institute, September 27, 1904 - April 23, 1907, "On the Possibility of Navigating Inter-Planetary Space", October 3, 1907

On Astronomical Investigations by Methods Other than Direct Telescopic, 1912

For Disintegration & for Testing for Disintegration, Chief Operations, ca. 1912

The Navigation of Inter-Planetary Space, September 10, 1913

The Problem of Raising a Body to a Great Altitude Above the Surface of the Earth, August 21, 1914

The Problem of Raising a Body to a Great Altitude Above the Surface of the Earth, August 21, 1914

Notes for Lecture in Interference, 1914-1915

A Method of Sending Recording Apparatus to & Beyond the Highest Levels of the Atmosphere, December 2, 1916 (pages 1-39)

A Method of Sending Recording Apparatus to & Beyond the Highest Levels of the Atmosphere, December 2, 1916 (pages 40-80)

Notes on Atomic Energy, 1916

Atomic Disintegration, December 28-30, 1916

Description of New Type of Rocket Apparatus & Discussion of Applications, ca. 1916

Description of Experiments with a Steel Chamber, Using Smokeless Powder, 1916

"The Last Migration: Outline of Certain Notes on High Altitude Research", January 14, 1918; "The Ultimate Migration", January 16, 1918

On the General Problem of Raising Apparatus to Extreme Altitudes, ca. 1918

On the General Problem of Raising Apparatus to Extreme Altitudes, ca. 1918

New Method of Reaching High Altitudes, December 17, 1918

Experiments in Vacus Introductory, 1919

Experiments with Large Chamber, 1919

Experiments to Determine the Minimum Amount of Flash Powder, Visible at a Certain Distance, 1919

BOX 8-2**Manuscripts, 1919-1945 [unpublished]**

Origin & Development of the Multiple Charge Rocket Idea, January 22, 1919

On the General Problem of Raising Apparatus of Extreme Altitudes, ca. 1919

Notes for "On High-Velocity Jets of Gas, Applicable to Rockets" and

"Approximate Solution of a General Case of Rocket Action"

April 14, 1919

Points of general interest in paper read before Washington meeting of American Physical Society, April 25-26, 1919.

Two Methods of Guiding & Firing Torpedoes, Aerial or Marine by Wireless, Avoiding Interference, ca. 1920's

Notes on Hydrogen & Oxygen, ca. 1920

On the Present Status of the High-Altitude Rocket [talk delivered to AAAS 1923?]

The Standard Radio Corporation, Design for Loud Speaker, 1925

The Possibilities of the Rocket in Weather Forecasting, 1927

Aeroplane (propelled by jet propulsions) for Extreme Altitudes, July 17, 1927

The World as it Appears to the Physicist, ca. 1927-1930 [short story]

Description of Experiments with a Steel Chamber Using Smokeless Powder - 1916, 1928

Rocket Propulsion for Aircrafts, September-October, 1929

The Plan & Purpose of Rocket Development in America, November 12, 1929

Conference on Rocket Work in Washington, D.C., December 10, 1929

Tests of Special Features, June 22, 1931

Notes by R.H. Goddard, ca. 1936

Steps Toward the Development of Sounding

Rockets [unpublished article prepared for National Geographic Magazine], ca. 1939

Manuscript [untitled] for National Geographic Society, March 12, 1910

I Take in the Washing, ca. 1942 [short story]

How Would You Like to be Looked Into?, ca. June, 1943 [short story]

Some of America's Contributions to Rockets & Jet Propulsion, ca. 1944

The Professor Takes a Trip, January 30, 1945 [short story]

Outline-Principles of Rocket & Jet Propulsion, April 16, 1945

"Howe's Tricks! (?) A farce in three acts" [about 1945?]

The Airplane, n.d.

Important Further Considerations Concerning the Electron Apparatus, n.d.

Revision of Jules Verne's "Trip To The Moon"; Correspondence, Contract, Manuscript [for first 5 chapters], March 4-August 5, 1924 & January 25, 1946-December 29, 1962

Notes & Typescript of Proposed Book on "Rocket Research" for Prentice-Hall [rocket propulsion], 1944-1945

Typescript of Proposed Book on "Rocket Research" for Prentice-Hall [rocket propulsion, cont.]

Notes & Typescript of proposed book, "Principles of Jet Propulsion" for Prentice-Hall, n.d.

Jet Velocity for Oxygen-gasoline Rockets, April 12, 1945

Foreword to the Reprinted Edition of "A Method of Reaching Extreme Altitudes and Liquid Fuel Rocket Development", May 1, 1945

Data to be Expected from New Type of Rocket n.d.

Miscellaneous Notes, n.d.

- BOX 8-3 Manuscript: The Ultimate in Jet Propulsion, 1943
- BOX 8-4 Completed "The Ultimate in Jet Propulsion" (2 copies)
- BOX 8-5 **Publications, November, 1907-April 1, 1938, & Instruction Manual for the
Goddard A-1 Jet Propulsion Motor Unit, January, 1943**
 RHG Publications, November, 1907-1909
 RHG Publications, November 20, 1909-June 6, 1912
 RHG Publications, August 16, 1912-February 6, 1920
 RHG Publications, February 6, 1920-March, 1924
 RHG Publications, June 21, 1924-February, 1930
 RHG Publications, September 1931-April, 1938
 Instruction Manual for the Goddard A-1 Jet Propulsion Motor Unit,
 January, 1943
- SERIES 9 **MISCELLANEOUS**
- BOX 9-1 Ephemera Removed from RHG's Diaries (removed by conservator during
 restoration of the diaries), 1898-1944.
 RHG Correspondence with C.N. Hickman (formerly bound; originals have been
 removed & filed under appropriate year in "General Correspondence"
 files), February 22, 1917-March 21, 1941
 RHG & ECG Correspondence with C.N. Hickman (formerly bound; originals
 have been removed & filed under appropriate year in "General
 Correspondence" files), April 5, 1941-December 6, 1946
 Reports by G.D. Heigi's (WPI) to Smithsonian Institution or RHG, 1917
 George Bode Cartoons with RHG Notations, Roswell, NM & Annapolis, MD,
 1842-1944; untitled, January 30 - July 26, 1943 & undated
 George Bode Cartoons with RHG Notations, Annapolis, MD, 1944
 Emory Lakatos, Manuscripts: "Internal Ballistics of Powder Driven Rockets",
 August 21, 1940; "The Pure Reaction Radial Gas Turbine", November 6
 & 22, 1940
 Suggestions Regarding Looms for George Crompton, June, 1927
 Newspaper Clippings (1904-1938)
 Papers of RG, Legal and Financial Matters
 RHG Personal File For Roswell Work
 RHG Publicity
- SERIES 10 **ARTICLES AND CLIPPINGS ABOUT RHG**
- SUBSERIES 1 **MICROFILM COPIES OF NEWSCLIPPINGS**

- BOX 10-1-1 Microfilm copies of newsclippings (6 boxes)
- SUBSERIES 2 NEWSPAPER AND MAGAZINE CLIPPINGS**
- BOX 10-2-1 **Newsclippings: Volume I, Volume II, Volume III,
June 24, 1904-March 25, 1925**
Volume I, June 24, 1904-January 25, 1920
Volume I, January 25, 1920-March 28..., 1920
Volume II, April 4, 1920-October 22, 1920
Volume II, October 5, 1920-December 31, 1923
Volume III, December 30, 1923-May 28, 1924
Volume III, May 31, 1924-March 25, 1925
- BOX 10-2-2 **Newsclippings: Volume IV, Volume V, Volume VI,
March 21, 1925-August 27, 1930**
Volume IV, March 21, 1925-January 16, 1927
Volume IV, June 24, 1927-July 26, 1929
Volume V, July 27, 1928-July 26, 1929
Volume V, July 25, 1929-October 18, 1929
Volume VI, October 12, 1929-June 14, 1930
Volume VI, May 13, 1930-August 27, 1930
- BOX 10-2-3 **Newsclippings: Volume VII, Volume VIII, Volume IX,
August, 1930-September, 1949**
Volume VII, August, 1930- April 2, 1935
Volume VIII, September 29, 1935- June 4, 1941
Volume XI, July 8, 1942-May 9, 1948
Volume XI, April 21, 1948-September, 1949
- BOX 10-2-4 **Newsclippings: Volume X, "Tributes", 1945**
"Tributes", August 10, 1945-March 19, 1950,
Volume X (2 Folders)
- BOX 10-2-5 **Newsclippings: Volume XI, Volume XII
May, 1948- October, 1958**
Volume XI, May, 1948- Feb, 1951
Volume XI, March, 1951- May, 1956
Volume XII, May., 1956- Nov., 1957
Volume XII, Nov., 1957- Oct., 1958
- BOX 10-2-6 **Newspaper and Magazine Clippings and Misc. brochures,
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Volume XIII, 1958 - 1959
 Volume XIII, April 1959 - Dec. 1959
 Volume XIV, 1959 - 1960
 Volume XIV, Jan. 1961 – Nov. 1961

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**Newsclippings: Volume XV, Volume XVII
 Jan. 1962 – Mar. 1965**

Volume XV, Jan. 1962 – Aug. 1962
 Volume XV, Sept. 1962 – Oct. 1963
 Volume XVI, Nov 1963 – June 1964
 Volume XVI, July 1964 – Dec. 1964
 Newspaper, Roswell Daily Record Oct. 5, 1964
 Volume XVII, Jan. 1965 – Mar. 1965

BOX 10-2-8 **Publications, Newspaper Clippings and Misc. brochures,
 invitations, etc.; 1920 - 1964**

Publications About Robert H. Goddard, 1920
 Publications About Robert H. Goddard, 1924
 Goddard Interview (1924?) - “A Through Express to the Moon”
 by Margaret Brandenburg
 Publications About Robert H. Goddard, 1929
 Publications About Robert H. Goddard, 1930
 Publications About Robert H. Goddard, 1931
 Publications About Robert H. Goddard, 1935
 Publications About Robert H. Goddard, 1936
 Publications About Robert H. Goddard, 1937
 Publications About Robert H. Goddard, 1938
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 Publications About Robert H. Goddard, 1940
 Publications About Robert H. Goddard, 1943
 Publications About Robert H. Goddard, 1944
 Publications About Robert H. Goddard, 1945
 Publications About Robert H. Goddard, 1946
 Publications About Robert H. Goddard, 1947
 Publications About Robert H. Goddard, 1948
 Publications About Robert H. Goddard, 1949
 Publications About Robert H. Goddard, 1950
 Publications About Robert H. Goddard, 1951
 Publications About Robert H. Goddard, 1953
 Publications About Robert H. Goddard, 1955
 Publications About Robert H. Goddard, 1956
 Publications About Robert H. Goddard, 1957
 Publications About Robert H. Goddard, 1958
 Publications About Robert H. Goddard, 1959

Publications About Robert H. Goddard, 1960
 Clippings re: Patent Settlement, Aug. - Sept. 1960
 Publications About Robert H. Goddard, 1961
 Publications About Robert H. Goddard, 1962
 Publications About Robert H. Goddard, 1963
 Publications About Robert H. Goddard, 1964

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 RHG Clippings 1966, January - March
 RHG Clippings 1966, April - December
 Publications About Robert H. Goddard, 1966

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 Publications About Robert H. Goddard, 1967
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 Publications About Robert H. Goddard, 1968
 RHG Clippings 1969, January - June
 RHG Clippings 1969, July

BOX 10-2-11 **Publications, Newspaper Clippings and Misc. brochures,
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RHG Clippings 1969, Aug. - Dec.
 Publications About Robert H. Goddard, 1969
 RHG Clippings 1970
 Publications About Robert H. Goddard, 1970
 RHG Clippings 1971
 Publications About Robert H. Goddard, 1971
 RHG Clippings 1972
 Publications About Robert H. Goddard, 1972
 RHG Clippings 1973
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BOX 10-2-12 **Publications, Newspaper Clippings and Misc. brochures,
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 RHG Clippings 1975
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 RHG Clippings 1976

Publications About Robert H. Goddard, 1976
 RHG Clippings 1977
 Publications About Robert H. Goddard, 1977
 RHG Clippings 1978
 Publications About Robert H. Goddard, 1978
 RHG Clippings 1979
 Publications About Robert H. Goddard, 1979
 Publications About Robert H. Goddard, 1980

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Publications, Newspaper Clippings and Misc. brochures, invitations, etc.; 1981 - 1999

RHG Clippings 1981
 RHG Clippings 1982
 Publications About Robert H. Goddard, 1982
 RHG Clippings 1983
 Publications About Robert H. Goddard, 1984
 RHG Clippings 1985
 RHG Clippings 1986
 Publications About Robert H. Goddard, 1987
 Publications About Robert H. Goddard, 1988
 RHG Clippings 1989
 RHG Clippings 1990
 Publications About Robert H. Goddard, 1991
 RHG Clippings 1995
 RHG Clippings 1997
 Publications About Robert H. Goddard, 1999

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Publications, Newspaper Clippings and Misc. brochures, invitations, etc.; 2000 -

Publications About Robert H. Goddard, 2000
 Publications About Robert H. Goddard, 2001
 Publications About Robert H. Goddard, 2002
 Publications About Robert H. Goddard, 2003
 Publications About Robert H. Goddard, 2004
 Publications About Robert H. Goddard, 2005
 Publications About Robert H. Goddard, 2006
 Publications About Robert H. Goddard, 2007
 Publications About Robert H. Goddard, 2008
 RHG Clippings, n.d.
 Publications About Robert H. Goddard, n.d.

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LISTS

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Important Affidavits by R.H. Goddard

Collection of Books and Articles
 List of Correspondence to and from R.H. Goddard
 1902 – 1945
 List of Correspondence in The Papers, Vol. I, Vol. II
 List of Recipients of “This High Man”

SERIES 12 PUBLICATIONS ABOUT ROCKETS

BOX 12-1 Magazine and Newspaper Clippings about Rockets,
 Inventions, etc.

SERIES 13 TRANSCRIPTS OF GODDARD’S DIARY AND NOTEBOOKS

BOX 13-1 Goddard Diary 1898-1945
 Excerpts from five green notebooks, 1906-1915

SERIES 14 NON-PRINT MATERIAL

SUBSERIES 1 ARTWORK BY ROBERT H. GODDARD

Framed spring scene by Goddard, May 19, 1912, 25.5 x 30.5
 Framed Goddard painting, “Clinton Pine Woods” 8x10
 Gold-framed Goddard painting titled “The Corner of the
 Ranch House” which shows Goddard’s 1935 study,
 14 x 20
 Unframed seascape, presumed to be by Goddard, 9 x 5
 Unframed winter scene by Goddard, 8 x 12
 Unframed sunset scene by Goddard, 9 x 12
 Gold-framed Goddard painting of a winter scene, “Speedway
 Trees.” 9 x 14
 Five Framed Paintings by Robert H. Goddard
 Painting done about 1938 from a point northeast of Sierra
 Blanca, NM
 Mr. and Mrs. Albert Kisk (brother of ECG) photo in Roswell,
 NM in 1934, colored by RHG

SUBSERIES 2 PHOTOGRAPHS

BOX 14-2-1 Photographs by B. Anthony Stewart, copyright National
 Geographic Society, 1940.

SUBSERIES 3 PHOTO ALBUMS

3 photo albums created by ECG entitled "The Goddard Rocket Researches :
A Photographic Record"
1 photo album created by ECG entitled "The Goddard Rocket Research"

SUBSERIES 4 GYROSCOPES

BOX 14-4-1 1 Gyroscope
BOX 14-4-2 1 Gyroscope in a wooden box

SUBSERIES 5 ROCKET PARTS

BOX 14-5-1 Parts from a rocket launched Dec. 26, 1928 in Auburn, MA. Presented to
Goddard Library in 1965 by Mr. Alanson W. Parkes, Jr. who had
been given them by ECG in 1962.

Robert H. Goddard Photographs and Oversize Materials**Flat File Drawer 12**

Foam board photograph of Robert H. Goddard with rocket in
background and people on either side.
Foam board photograph of Robert H. Goddard as a boy with
his parents.
Robert H. Goddard exhibition room statement.
Robert H. Goddard memorial dedication – October 19, 1978
Framed Photograph of Robert H. Goddard working on a rocket.
Packet of Robert H. Goddard newspaper articles.
Pennant and patch from the Goddard Space Flight Center,
Greenbelt, MD.
Portrait of Robert H. Goddard by Emily Burling Haite
presented to Mrs. Goddard – Print.
Award to Robert H. Goddard from the Aviation Hall of Fame
December 15, 1966.
Portrait of Robert H. Goddard – Print.
Foam Board Picture of Robert H. Goddard with instruments.

Photograph of Robert H. Goddard with rocket apparatus.
 Photograph at White House March 5, 1968 during the Goddard Memorial Trophy Ceremonies. Left to Right: Esther C. Goddard, Congressman George Miller of California, and President Lyndon B. Johnson.
 Photograph of Robert H. Goddard as a small boy.
 Print of a portrait of Robert H. Goddard working on a rocket while another rocket launches in the background. Peter Stevens, 1971.
 First Flight of Liquid Propelled Rocket, March 16, 1926. Dr. Robert H. Goddard.
 Board Photograph of a print from John Hancock Mutual Insurance Company showing a representation of the first launch.
 An original 1959 Robert H. Goddard Illustration from John Hancock Mutual Insurance Company.
 Photograph of various Robert H. Goddard papers and Photographs.
 Certificate of the award of the Daniel Guggenheim Medal to Robert H. Goddard, 1964.
 Plan for plaque "Dr. Goddard's Rocket." 1926.
 Certificate from USAF Flight Test Center commemorating Robert H. Goddard for his contributions to America's future.
 Map of Robert H. Goddard's neighborhood in Roxbury, MA.
 Negative Map of Robert H. Goddard's neighborhood in Roxbury, MA.
 Large print of Robert H. Goddard working on a rocket while another one launches in the background.
 Packet with Robert H. Goddard commemorations.
 Original drawing of RHG used in U.S. Post Office brochure about Apollo 11 moon landing
 Two paintings of Goddard in his robes
 Photo of a portrait of RHG
 Aerial photo of Pakachoag Golf Course, site of first launch
 Photo of Goddard Memorial tower at Fort Devens
 Five photos of presentation of Goddard bust to President Lyndon B. Johnson in Oval Office
 Two portraits of ECG at her desk with typewriter
 One formal portrait of ECG by Melkor
 Dedication of Goddard Wing of Roswell Museum, May 1959
 High pressure tank unit #16, tested by Roswell, NM, May 19, 1942
 Two photos of Variable thrust pump unit #12 tested April 25, 1942
 Photos of two portraits of RHG
 Original diagram of a rocket

Flat File Drawer 8

Dr. Robert Goddard's shop prior to expansion, September 20, 1965.
Mr. N.D. Goddard's residence second floor plan. 1909.
Mr. N.D. Goddard's residence roof plan 1909.
Mr. N.D. Goddard's residence side elevation. 1909.
Mr. N.D. Goddard's residence rear elevation. 1909.
Mr. N.D. Goddard's residence side elevation. 1909.
Mr. N.D. Goddard's residence attic plan. 1909.
Mr. N.D. Goddard's residence cross section, North and
South. 1909.
Mr. N.D. Goddard's residence front elevation. 1909.
Mr. N.D. Goddard's residence first floor plan. 1909.
Mr. N.D. Goddard's residence longitudinal section east
and west. 1909.
Margaret's Solar Greenhouse – 5 Bishop Ave. – Formerly
N.D. Goddard's house. Plan 1980 (2 copies).
Addition to the Roswell Museum Building – Plan 3 sheets 1958.

ESTHER CHRISTINE (KISK) GODDARD
Biographical Note

1901, March 31	Born at Worcester, MA
1917	Student, South High School, Worcester, MA
1918-1920	Secretary to President Edmund C. Sanford, Clark College
1920-1922	Student, Bates College
1922-1924	Secretary to President Wallace W. Atwood, Clark University
1924, June 21	Married Robert Hutchings Goddard
1945	Johns Hopkins University (B.S.)
1947	Member, Worcester Branch, National League of American Pen Women
1948	Editor, with G. Edward Pendray, of <u>Rocket Development</u> , condensation of Dr. Goddard's notes on his experiments, Prentice-Hall Co., reissued 1961
1951	Clark University (A.M.)
1958	Citation by the Trustees of Worcester Polytechnic Institute
1958	"Woman of the Year" of the Worcester Business & Professional Women's Club
1961-	Goddard Educational Award, given annually at Women's Space Symposium, Los Angeles, CA
1963-1970	Member, Board of Directors, Age Center of Worcester Area, Inc.
1964-1970	Trustee, Clark University
1962-	Honorary Member, Chamber of Commerce of Auburn, MA

- 1964- Member, Executive Board of Mass. Chapter,
Arthritis Foundation
- 1965-1970 Member, Board of Trustees, Medical
Research Institute of Worcester
- 1965 Honorary Alumna, Worcester Polytechnic Institute
- 1965-1973 Director, Worcester Federal Savings &
Loan Association
- 1966-1972 Member, Advisory Board, Anna Maria
College, Paxton, MA
- 1966-1970 Member, Advisory Historic Landmark
Committee for the City of Worcester, MA
- 1966, March Named "First Missile-Tracking Photographer" by Point
Mugu, California Chapter of the Photo-optical
Instrumentation Engineers)
- 1967 Fellow, American Astronautical Society
- 1967, May Citation for meritorious public service from the
Massachusetts Federation of Business &
Professional Women's Clubs
- 1967 Honorary Member, Soroptimist Club of Worcester, MA
- 1969 Worcester Polytechnic Institute (Honorary Sc.D.)
- 1970 Honorary Member, Directors Council, Worcester Science
Center
- 1970 Editor with G. Edward Pendray, The Papers of Robert H.
Goddard, 3 volumes, McGraw-Hill Book Co.
- 1970 Honorary Member, American Institute of
Aeronautics & Astronautics, New York City
- 1970 Member, Board of Governors, National Space Club,
Washington, D.C.

- 1970 Honorary Member, Air Force Association,
 Vandenberg Air Force Base, CA
- 1970 Honorary Citizen, Roswell, NM
- 1970 Trustee, Cathedral of the Pines, Rindge, NH
- 1970 Outstanding Member, American Association
 of University Women
- 1972 Named "Pen Woman of the Year", National
 League of American Pen Women
- 1972 Clark University (Honorary Degree, L.H.D.)
- 1982, June 4 Died at Worcester, Massachusetts

ESTHER C. GODDARD PAPERS

SERIES 1 PRINT MATERIAL

SUBSERIES 1 CORRESPONDENCE

- Box 1-1-1 **Aarseth, Cloyd (Hearst Metrotone News) - American Rocket Society**
 Aarseth, Cloyd (Hearst Metrotone News), Re: Documentary films about RHG,
 1953-1976
 Africano, Alfred, 1946
 Age Center of Worcester Area, 1969-1970
 Air Force Outstanding Cadet in Mathematics Award (presented in memory
 of Robert H. Goddard
 Alabama Space and Rocket Club, Huntsville, 1968-1975
 Allward, Maurice (and Col. Edwin E. Aldrin and Achille J. St. Onge), 1971-1972,
 Re: Use of miniature book for sale
 All Women New England Air Race, 1973
 American Business Women's Association, 1974
 American Institute of Aeronautics and Astronautics (AIAA), 1965-1975
 American Astronautical Society, 1967-1975
 American Institute of Physics- Dr. Charles Weiner, Dir., 1966
 American Institute of Aeronautics and Astronautics, 1961-1976
 American Rocket Society, 1947-1954
 American Rocket Society, 1955-1960
- Box 1-1-2 **American Rocket Society - Arthritis Foundation (Massachusetts Chapter,
 executive board)**
 American Rocket Society, 1961 (2 folders)
 Anderson, Arvid E. (Re: Patent No. 1, 159, 209) Oscillator-Radio Tube used by
 Collins Radio Co. 1975
 Anderson, Arvid E. (Re: Patent No. 1, 159, 209) Oscillator-Radio Tube used by
 Collins Radio Co. 1974
 Anderson, Arvid E. (Re: Patent No. 1, 159, 209) Oscillator-Radio Tube used by
 Collins Radio Co. 1969-1973
 Anderson, Arvid E., 1976, RHG: original inventor- patent of the High Frequency
 Vacuum Tube (also correspondence 1977)
 Andrews-Goddard High School Physics Textbook
 Anna Marie College (Advisory Board), 1965-1975
 Arthritis Foundation, Mass. Chapter, Executive Board, 1972-1978

- Box 1-1-3 **Bates College - Beauregard, Henry G.**
 Bates College- ECG Class of 1924
 Beauregard, Henry G., 1953-1954
 Beauregard, Henry G., Feb. 1955- Dec.1955
 Beauregard, Henry G., July 1956- 1957
 Beauregard, Henry G., 1958- 1959
 Beauregard, Henry G., Jan. 1956- June 1956
- Box 1-1-4 **Beauregard, Henry G. - Biographical Sketches of Robert H. Goddard**
 Beauregard, Henry G., 1960 (3 folders)
 Beauregard, Henry G., 1961
 Biographers (Prospective) of RHG, 1958-1961
 Biographers (Prospective) of RHG, 1962-1963
 Biographical Sketches of RHG, 1945-1959
 Biographical Sketches of RHG, 1960-1976
 Biographical Items Re: ECG and Reminiscences of Friends of ECG
 Biographical Notes
 ECG Papers- Biographical Information
- Box 1-1-5 **Boston Museum of Science - Bush, George F.**
 Boston Museum of Science, April 4, 1970- April 3, 1971
 Boushey Jr. Homer A., 1946-1959
 Boushey Jr. Homer A., 1960-1963, 1969, 1970
 Bush, George F., April 12, 1958, 1965, 1967-1970, updated papers
- Box 1-1-6 **Cape Canaveral (Cape Kennedy) - Clark University**
 Cape Canaveral and Visit of ECG to Coco Beach, FL.
 Cathedral of Pines, Rindge, New Hampshire
 Clark University, 1949-1962
 Clark University, 1963-1964
 Clark University, 1964-1965
- Box 1-1-7 **Clark University - Clarke, Arthur C.**
 Clark University, 1965-1966 (undated)
 Clark University, 1967-1968
 Clark University, 1969-1970 (undated)
 Clark University, Dec. 26, 1970- Nov. 18, 1972 (undated)
 Clark University, Oct. 1972- Dec. 1974
 Clark University, Jan. 1975- March 1976
 Clark University, June 1964, 1966-1969, 1976, 1978 (undated)
 Clarke, Arthur C., 1970 and 1973 (undated)
- Box 1-1-8 **Columbia University, Oral History Research Office - Natural History Museum,**

N.Y.C.

Columbia University, Oral History Research Office, 1960
 Crompton, George Jr., 1947- 1956
 Dunlop Photo Laboratory Services (Stevens Portrait of RHG)
 Curtis-Wright Co., Caldwell, NJ, Bill X-2 Material, 1945- 1946
 Curtis-Wright Co., Caldwell, NJ, Bill X-2 Material, Sept. 1947- 1956
 ECG Educational Award, LA Chamber of Commerce, 1964-1969
 Employees-Correspondence, 1945-1963
 Esnault-Pelterie, Robert, correspondence
 Exhibit at NY Natural History Museum, 1947-1953

Box 1-1-9 **Farrar, Straus & Cudahy, Publishers Inc. - Goddard Space Flight Center,
 Greenbelt, MD**

Farrar, Straus, and Cudahy Publishers Inc., 1955- Nov. 1964
 First Federal Savings and Loan Association and Worcester, 1957-1975
 Fisher, Clarence M., Aug. 1945- 1953
 Fischer, C. Fink 1956
 Foreign Correspondence, 1946-1960
 Fritz, Herhawn (German Artist), Sketches for ECG, 1975
 Goddard Association of America- Correspondence and Newsletter, 1957-1978
 Goddard Power Plant (Dedicated June 25, 1957)
 Goddard Space Flight Center, 1959-1961
 Goddard Memorial Dinner
 Goddard Space Flight Center, 1961-1963 (Goett, Emme, Vaccaro)
 Goddard Space Flight Center, 1964-1966
 Goddard Space Flight Center, NASA, 1968- Oct. 1973
 Goddard Space Flight Center, NASA, Oct. 1973- April 1976
 NASA Goddard Space Flight Center

Box 1-1-10 **Guggenheim, Harry F., August, 1945-1957**

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 Guggenheim, Harry F., Dec. 1947- 1948
 Guggenheim, Harry F., 1949-1950
 Guggenheim, Harry F., 1951- May 1952
 Guggenheim, Harry F., 1952-1955
 Guggenheim, Harry F., 1956-1957

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 Guggenheim, Harry F., July- Dec. 1959
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 Guggenheim, Harry F., July- Dec. 1960
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Guggenheim, Harry F., 1962

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Guggenheim, Harry F., 1963

Guggenheim, Harry F., 1964

Guggenheim, Harry F., 1965

Guggenheim, Harry F., 1966

Guggenheim, Harry F., 1967- 1969

Guggenheim, Harry F., 1970

Guggenheim Foundation, Daniel and Florence, 1971

Guggenheim Foundation, Daniel and Florence, 1972- 1973

Guggenheim Foundation, Daniel and Florence, 1974- 1976

Box 1-1-13 **Hawley, Charles T. - International Astronautical Federation**

Hastings, R.B., Nov. 1961

Hawley, Charles T., Aug. 1945- Aug. 1952

Hawley, Charles T. Aug. 1952- Sept. 1960

Henderson, Marion, 1959

Herrick, Samuel, Oct. 1966- Dec. 1966

Hickman, Clarence N., 1945- 1967 (including Clark Memorial)

Hill, Draper (editorial artist), April 1969- April 1971

Sketches by Draper Hill (autographed by ECG), 1974

Hoelscher, Clifford and Jean (film enterprises), 1972- 1975

Honors, Miscellaneous, 1964 - 1974

Inertial Guidance (Notes), 1933, 1934, 1962

Ionized Rocket; Inquires, Re. 1960- 1961

Institute of the Aerospace Sciences, April 1950- Oct. 1955

Institute of the Aerospace Sciences, Nov. 1953- Dec. 1958

Institute of the Aerospace Sciences, June 1950- Sept. 1962

International Astronautics Federation Congress at Stockholm, 1959- 1961

Box 1-1-14 **John Hancock Mutual Life Insurance Co. - Lecture Notes**

John Hancock Mutual Life Insurance Co., 1959 and 1965 (May, June)

Lawrence, Lovell Jr. and RMJ, 1945- 1952, patents

Lecture Notes (6 folders)

Lecture Materials (2 folders)

Box 1-1-15 **Lehman, Milton, 1954-1958**

Lehman, Milton Correspondence, March 1954- Dec. 1954

Lehman, Milton Correspondence, Feb. 1955- Dec. 1955

Lehman, Milton Correspondence, Jan. 1956- Sept. 1956

Lehman, Milton Correspondence, Oct. 1956- Dec. 1956

Lehman, Milton Correspondence, Jan. 1957- May 1957

Lehman, Milton Correspondence, June 1957- Dec. 1957

Lehman, Milton Correspondence, Jan. 1958- July 1958
 Lehman, Milton Correspondence, Aug. 1958- Dec. 1958
 Lehman, Milton Research Inquires, 1956
 Lehman, Milton Research Inquires, 1957

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Lehman, Milton, 1959
 Lehman, Milton, 1960
 Lehman, Milton, 1961- 1962
 Lehman, Milton, 1962- Nov. 1963 (book publication)
 Excerpts from Vols. 1-18 of Rocket Experiments
 Lehman Collateral Materials, 1953- 1957
 Lehman Biography Chapters 1-4

Box 1-1-17 **This High Man Manuscript - Mrs. Goddard's Comments on Manuscript**

Lehman Biography, Ch. 5-9
 Lehman Biography, Ch. 10 (1960 undated)
 Lehman Biography, Ch. 10 (April 1960)
 Lehman Biography, Ch. 11
 Lehman "Final" Biography, Ch. 1-7 (copy)
 Lehman "Final" Biography, Ch. 8- end (copy)
 Lehman, Milton, Biography, ECG Comments, 1961-1962
 Lehman, Milton, 1963- 1965
 Library of Congress, Nov. 1954- Dec. 1960
 Lindbergh, Charles A., Aug. 1950- Sept. 1974

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Lists of Goddard Materials Used by Milton Lehman for This High Man
 Lists, Misc.- Invitations, RHG Books, Diary, Etc.
 Little, Brown Co. (Anne Dewey) March 1959- Jan. 1963
 Lovelace II, W. Randolph, 1929- 1959
 Mansur, Charles W. Award, White Sands Missile Range (esp. 25th Anniversary)
 McCarthy, Donal F., Selected US Patents Covering Inventions of RHG relating to
 rockets and jet propulsion
 McCarthy, Donal F. and Oliver, Robert Early Patent Claims

Box 1-1-19 **McCarthy, Donal F. - Memorial: American Rocket Society, Auburn, MA**

McCarthy, Donal and Oliver, Robert, correspondence and notes, clippings,
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 Medal, congressional, correspondence and pamphlet, Oct. 1958- July 1960
 Medal, congressional, correspondence and brochure, April 1961- April 1972
 Medal, Franklin Mint, correspondence and printed material, April 1968- Aug. 1971
 Medal, Guggenheim, correspondence, Aug. 1964- Aug. 1971

Medal, Langley, correspondence and printed material, Sept. 1959- Feb. 1972
 Medical Research Institute of Worcester, Inc., Dr. Rosenberg fertility studies at
 City Hospital, Correspondence and program, Aug. 1970- Jan. 1972
 Melik, Efram (portrait printer), correspondence, Dec. 1969- Jan. 1970
 Memorial, RHG Achievement Award, Civil Air Patrol, National Headquarters,
 Ellington Air Force Base, Texas, correspondence and circular, March 1963
 Memorial, "Goddard Ave.," Mahlmstrom Air Force Base, Montana, correspondence,
 June 1962- July 1962
 Memorial, Painting of RHG, Air Force Academy, Colorado, correspondence and
 printed material, Oct. 1959- July 1973
 Memorial, Goddard Squadron, Airforce Association, Vandenberg, CA.,
 correspondence and printed material, May 1961- Nov. 1964
 Memorial, VIP Guest House, army and missile command, Redstone Arsenal, Al.,
 Correspondence, Sept. 1964- Oct. 1965
 Memorial, "Goddard Hall" (cancelled), Army, Fort Bliss, NM., correspondence,
 April 1957-Feb. 1958
 Memorial, American Rocket Social, Auburn, MA., correspondence and printed
 material, July 1948- Oct. 1959

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Memorial: American Rocket Society - Memorial: Ft. Devens, MA

Memorial, American Rocket Society at Auburn, MA., correspondence and printed
 material, Jun 1960- Oct. 1962
 Memorial, Auburn, MA., correspondence and printed material, Jan. 1975- Nov. 1975
 Memorial, Auburn National Park, correspondence and printed material,
 June 1974- July 1975
 Memorial, Auburn Rotary Club, correspondence, April 1966- June 1970
 Memorial, Auburn, MA., correspondence and printed material, Nov. 1963-Feb. 1975
 Goddard Ave., Halstrom AFB, Montana
 Memorial, Aviation Hall of Fame, Dayton Ohio, correspondence and printed material,
 July 1966-Jan. 1969
 Memorial, petrified wood, Cathedral of Pines, Rindge, NH, correspondence,
 Oct. 1947-June 1955
 Memorial, sculpture at Clark, correspondence and printed material, Dec. 1963-
 Oct. 1965
 Memorial, launching tower, Fort Devens, MA., correspondence and printed material,
 Jan. 1962- March 1974

BOX 1-1-21

Memorial: Goddard Commemorative Stamp

Memorial, commemorative stamp, correspondence, July 1960- Sept. 1961
 Memorial, commemorative stamp, correspondence and printed material,
 Jan. 1962-Nov. 1963
 Memorial, commemorative stamp, correspondence and printed material,
 Jan. 1964-Sept. 1964
 Memorial, commemorative stamp, correspondence and printed material,

Oct.-Dec. 1964

Memorial, commemorative stamp, correspondence and printed material,
Jan.-May 1965

Memorial, commemorative stamp, correspondence and printed material,
June-Dec. 1965

Memorial, commemorative stamp, correspondence, Jan.-Dec. 1966

Memorial, commemorative stamp, correspondence, March 1967-Dec. 1971

Memorial, commemorative stamp, correspondence, March 1972-Aug. 1978

Box 1-1-22

Memorial: National Aerospace Education Council – Congressional Recognition

Memorial, “Goddard Day,” National Aerospace Education Council, correspondence
and printed material, Jan. 1965-Nov. 1967

Memorial, International Aerospace Hall of Fame, San Diego, CA., correspondence and
Brochures, Aug. 1968- Oct. 1968

Memorial, Industrial Center, Worcester Area Chamber of Commerce, correspondence
and clippings, Oct. 1960-July 1961

Memorial, Jet Propulsion Lab, Pasadena, CA., correspondence, March-Sept. 1972

Memorial, Jr. and Sr. High Schools, Glendora, CA. Ozone Park, NYC. Roswell, NM.
Lanham, MD. Correspondence and printed material, May 1963-Nov. 1970

Memorial, dining room, Navy, Marine, Engineering Lab, Annapolis, MD.,
Correspondence, April-July 1966

Memorial, power plant, Navy, US Naval Powder Factory, Indian Head, MD.,
Correspondence, Aug. 1956- Oct. 1957

Memorial, Hall of Fame, NYU, NYC, correspondence and printed material, May
1967-Dec. 1970

Memorial, Hall of Fame, NYU, NYC, correspondence and printed material,
Jan. 1971-June 1974

Memorial, National Space Hall of Fame, Albert Thomas Convention and Exhibit
Center, correspondence and printed material, Houston, TX., Dec. 1968-
Jan. 1970

Memorial, lunar craters, located at earth’s surface, correspondence, Oct.-Nov. 1969

Memorial, citation, Rochester Museum and Science Center, Rochester, NY,
correspondence and brochure, Dec. 1969-Feb. 1970

Memorial, congressional recognition of Goddard Rocket and Space Museum, Roswell,
NM, correspondence and circular, Nov. 1965-July 1970

Box 1-1-23

**Memorial: Goddard Exhibition, Roswell- Dedication Ceremonies for Goddard
Hall, WPI**

Memorial, Goddard Rocket Tower, Roswell Museum, Roswell, NM., correspondence
and printed material, June 1948-Dec. 1952

Memorial, Goddard Exhibition, Roswell Museum, Roswell, NM., correspondence and
printed material, Jan. 1953-Dec. 1956

Memorial, Goddard Exhibition, Roswell Museum, Roswell, NM., correspondence and
printed material, Jan. 1957-Dec. 1958

Memorial, Goddard Exhibition, Roswell Museum, Roswell, NM., correspondence and printed material, Jan. 1959-May 1961

Memorial, Goddard Workshop, Roswell Museum, Roswell, NM., correspondence and printed material, July 1964-Jan. 1970

Memorial, portraits of RHG, gift from ECG to Boston Museum of Science, WPI, Alabama Space and Rocket Center, correspondence, April 1974-June 1974

Memorial, portrait of RHG, located in hearing room of the House Committee on Science and Astronautics, Rayburn House Office Building, Washington, DC, correspondence, Sept.- Dec. 1971

Memorial, Goddard Field, White Sands Proving Ground, New Mexico, correspondence, Aug. 8, 1955

Memorial, sculptures of RHG, correspondence, March 1961-July 1963

Memorial, Dedication ceremonies for Goddard Hall, WPI, correspondence and printed material, Oct. 1964-May 1965

Box 1-1-24

Murchison, Charles H. - National Geographic Society

Murchison, Charles H., correspondence and brochure, April 1951-May 1959

Nasson College, Springvale, ME., correspondence and printed material, June 1960-Aug. 1963

NASA, Audiovisual Branch, Les Gaver, Margaret Ware, correspondence, July 1974-Oct. 1975

NASA, general administration, Houston manned space flight center, correspondence and printed material, Sept. 1967-Oct. 1975

National Aerospace Education Association, "Goddard Day," correspondence and printed material, Feb. 1965-June 1975

National Association of Rocketry, correspondence and printed material, April 1961-April 1963

National Geographic Society (photographers), correspondence and clippings, Nov. 1969-Feb. 1971

National Inventors Hall of Fame, Feb. 11, 1979

National League of American Pen Women, 1979

Box 1-1-25

National Rocket Club [became National Space Club in 1963]

National Rocket Club, correspondence and printed material, April 1957-Jan. 1961

National Rocket Club, correspondence and printed material, Jan. 1960-Nov. 1962

National Rocket Club, correspondence and printed material, Feb. 1962-Nov. 1964

National Space Club, correspondence, Dec. 1962, Dec. 1965-Mach 1966

National Space Club, correspondence and printed material, Nov. 1965-Dec. 1967

National Space Club, correspondence and printed material, Feb. 1968-Dec. 1971

Box 1-1-26

National Space Club - Patent Settlement

National Space Club, correspondence and printed material, Jan. 1972-Nov. 1973

National Space Club, correspondence and printed material, Jan. 1974-March. 1976

National Space Club, RHG Historical Essay Award Winners, printed material essays,

1963-1979 (1967, 68, 70, 75, 76, 78)
 US Navy, 1)settlement and RHG Contracts (1945-1946) 2)obtaining photos
 (1948-1956) 3) Copy made of HB movie films by photo center (1958),
 correspondence and printed material
 Numeroff, William J., correspondence, Oct. 1971-Sept. 1975
 Ordway, Frederick I,III, Rocket Milestones, correspondence and printed material,
 April 1959- Nov.1960
 Oscillator Patent (Collins Radio Co.)
 Paintings of RHG (gifts of), correspondence, May 1961-July 1961
 Patent Royalties, Clark University and Others, correspondence, May 1933-April 1943
 Patent Settlement, news clippings, US patents, July-Sept. 1960 and July 1914-
 Nov. 1956

Box 1-1-27 **The Papers of Robert H. Goddard (correspondence with McGraw, Hill & Pendray)**

The Papers, McGraw-Hill Correspondence, Oct. 1958-Dec. 1962
The Papers, McGraw-Hill Correspondence, Jan. 1963-Dec. 1965
The Papers, McGraw-Hill-Sperka-Pendray Correspondence and printed material,
 March-Dec. 1966
The Papers, McGraw-Hill-Sperka-Pendray Correspondence, Feb. 1967-Sept. 1967
The Papers, McGraw-Hill-Sperka-Pendray Correspondence, Oct. 1967-Dec. 1967
The Papers, McGraw-Hill-Sperka-Pendray Correspondence, Jan. 1968-July 1968
The Papers, McGraw-Hill-Sperka-Pendray Correspondence, Aug. 1968-Dec.1968
The Papers, McGraw-Hill-Sperka-Pendray Correspondence, Jan. 1969-Dec. 1969
The Papers, McGraw-Hill-Sperka-Pendray Correspondence and Brochure, March-
 Sept. 1970

Box 1-1-28 **The Papers of Robert H. Goddard (research files - diary entries used in The Papers)**

The Papers, RHG Diary Entries considered for inclusion in April 1902-July 1907,
 Jan. 1920, Dec. 1931
The Papers, RHG Diary Entries considered for inclusion in Jan. 1932-Dec. 1939
The Papers, RHG Diary Entries considered for inclusion in Jan. 1940-June 1945
The Papers, Diary Entries used in (no permission required), Feb. 1898-Nov. 1929
The Papers, Diary Entries used in (no permission required), Nov. 23, 1929-
 Aug.31, 1938
The Papers, Diary Entries used in (no permission required), Sept.7, 1938-
 June 17, 1945
The Papers, Research re: missing Goddard manuscripts, not located

Box 1-1-29 **The Papers of Robert H. Goddard (permission to publish requests outstanding/granted)**

The Papers, Quotations from diary used in (use approved by Mr. Jehle of McGraw-Hill)

The Papers, permission grants pending
The Papers, permission requests granted (4 folders)

- Box 1-1-30 **The Papers of Robert H. Goddard (Smithsonian Institution list #2)**
The Papers, permissions granted, Clark University
The Papers, The Daniel and Florence Guggenheim Foundation, List #1-Reports by RHG to D and FG Foundation, 1935-1941
The Papers, The Daniel and Florence Guggenheim Foundation, List #2-correspondence from Foundation to RHG, 1930-1945
The Papers, The Daniel and Florence Guggenheim Foundation, List #3-correspondence from RHG to the Foundation, 1930-1945
The Papers, Smithsonian Institution, List #1-covering “reports and correspondence describing the Goddard research for the US Army Signal Corps.” Work also done under the Smithsonian
The Papers, Smithsonian Institution, List #2-Formal Progress Reports from RHG, 1918-1938 (2 folders)
The Papers, Smithsonian Institution, List #1-Covering “Reports and correspondence describing The Goddard research for the US Army Signal Corps” work also done for the Smithsonian
- Box 1-1-31 **The Papers of Robert H. Goddard (Smithsonian Institution list #2)**
The Papers, Smithsonian Institution, List #3-Correspondence from Smithsonian to RHG, 1902-1944 (omitting military items in 1918)
The Papers, Smithsonian Institution, List #4-Correspondence from RHG to Smithsonian, 1919-1945
The Papers, US Army (Signal Corps) permissions granted for all 1918 defense work; Smithsonian Institution also granted permission
The Papers, US Army permissions granted by various offices excluding 1918 work, 1902-1965
The Papers, US Army (Signal Corps) permissions granted for all 1918 defense work; Smithsonian Institution also granted permission
The Papers, US Navy, Bureau ordinance, Aeronautics, supplies and accounts, etc. (1914, 1920-1923, 1928, 1933, especially 1940-1943, 1965 reports) (2 folders)
- Box 1-1-32 **The Papers of Robert H. Goddard (Bureau of Ordnance, U.S. Navy List)**
The Papers, US Navy, Bureau Ordinance, Aeronautics, supplies and accounts, etc. 1921-1923, 1933, especially 1940-1945 reports (8 folders, 7 unlabeled)
- Box 1-1-33 **The Papers of Robert H. Goddard (page proof of Volume III – acknowledgements A-D)**
Page Proof of Papers of RHG, vol. III, 1938-1945 (4 folders)
The Papers, Distribution Lists for Primary, March 1970, Secondary, July 1973 also July 1, 1975
Acknowledgment of Papers, 1970-1973 (A-D)

- Box 1-1-34 **The Papers of Robert H. Goddard (acknowledgements E-Z, 1973-1974)**
 Acknowledgment of Papers, 1973-1974 (E-L)
 Acknowledgment of Papers, 1970-1974 (M-Z)
 The Papers-Review of 1970-1973
 Copy #8 of Manuscript of Papers of RHG as originally typed, 1901-1915
 Copy #8 of Manuscript of Papers of RHG as originally typed, 1916
 Copy #8 of Manuscript of Papers of RHG as originally typed, 1917
- Box 1-1-35 **The Papers of Robert H. Goddard (copy #8 of manuscript)**
 Copy # 8 of manuscript of Papers of RHG as originally typed, 1918
 Copy # 8 of manuscript of Papers of RHG as originally typed, Jan.-Feb. 1918
 Copy # 8 of manuscript of Papers of RHG as originally typed, Feb.-May 1918
 Copy # 8 of manuscript of Papers of RHG as originally typed, May-June 1918
 Copy # 8 of manuscript of Papers of RHG as originally typed, July-Aug. 1918
 Copy # 8 of manuscript of Papers of RHG as originally typed, Aug.-Nov. 1918
 Copy # 8 of manuscript of Papers of RHG as originally typed, Nov.-Dec. 1918
 Copy # 8 of manuscript of Papers of RHG as originally typed, 1919
- Box 1-1-36 **The Papers of Robert H. Goddard (copy #8 of manuscript)**
 Copy # 8 of manuscript of Papers of RHG as originally typed, Jan.-May 1920
 Copy # 8 of manuscript of Papers of RHG as originally typed, May-Dec. 1920
 Copy # 8 of manuscript of Papers of RHG as originally typed, 1921
 Copy # 8 of manuscript of Papers of RHG as originally typed, 1922
 Copy # 8 of manuscript of Papers of RHG as originally typed, 1923
 Copy # 8 of manuscript of Papers of RHG as originally typed, Jan.-Aug. 1924
 Copy # 8 of manuscript of Papers of RHG as originally typed, Sept. 1924-May 1925
 Copy # 8 of manuscript of Papers of RHG as originally typed, June 1925-June 1926
 Copy # 8 of manuscript of Papers of RHG as originally typed, July 1926-July 1927
 Copy # 8 of manuscript of Papers of RHG as originally typed, Aug. 1927-1928
 Copy # 8 of manuscript of Papers of RHG as originally typed, Jan.- July 1929
- Box 1-1-37 **The Papers of Robert H. Goddard (copy #8 of manuscript)**
 Copy # 8 of manuscript of Papers of RHG as originally typed, Aug.-Dec. 1929
 Copy # 8 of manuscript of Papers of RHG as originally typed, Jan.-June 1930
 Copy # 8 of manuscript of Papers of RHG as originally typed, July 1930-Jan. 1931
 Copy # 8 of manuscript of Papers of RHG as originally typed, Feb.-Dec. 1931
 Copy # 8 of manuscript of Papers of RHG as originally typed, 1932
 Copy # 8 of manuscript of Papers of RHG as originally typed, Jan. 1933-Jan. 1934
 Copy # 8 of manuscript of Papers of RHG as originally typed, March 1934-Feb. 1935
 Copy # 8 of manuscript of Papers of RHG as originally typed, March-Oct. 1935
 Copy # 8 of manuscript of Papers of RHG as originally typed, Nov. 1935-March 1936
- Box 1-1-38 **The Papers of Robert H. Goddard (copy #8 of manuscript)**

Copy # 8 of manuscript of Papers of RHG as originally typed, April-Sept. 1936
 Copy # 8 of manuscript of Papers of RHG as originally typed, Oct. 1936-May 1937
 Copy # 8 of manuscript of Papers of RHG as originally typed, June-Dec. 1937
 Copy # 8 of manuscript of Papers of RHG as originally typed, Jan.-April 1938
 Copy # 8 of manuscript of Papers of RHG as originally typed, May-Sept. 1938
 Copy # 8 of manuscript of Papers of RHG as originally typed, Oct. 1938-Feb. 1939
 Copy # 8 of manuscript of Papers of RHG as originally typed, March-Sept. 1939
 Copy # 8 of manuscript of Papers of RHG as originally typed, Oct. 1939-Feb. 1940

Box 1-1-39 **The Papers of Robert H. Goddard (copy #8 of manuscript)**

Copy # 8 of manuscript of Papers of RHG as originally typed, March-June 1940
 Copy # 8 of manuscript of Papers of RHG as originally typed, July-Sept. 1940
 Copy # 8 of manuscript of Papers of RHG as originally typed, Oct. 1940-Feb. 1941
 Copy # 8 of manuscript of Papers of RHG as originally typed, March-July 1941
 Copy # 8 of manuscript of Papers of RHG as originally typed, Aug. 1941-Feb. 1942
 Copy # 8 of manuscript of Papers of RHG as originally typed, March-Aug. 1942
 Copy # 8 of manuscript of Papers of RHG as originally typed, Sept. 1942-Feb. 1943
 Copy # 8 of manuscript of Papers of RHG as originally typed, March-July 1943

Box 1-1-40 **The Papers of Robert H. Goddard (copy #8 of manuscript)**

Copy # 8 of manuscript of Papers of RHG as originally typed, July-Dec. 1943
 Copy # 8 of manuscript of Papers of RHG as originally typed, Nov. 1, 1943
 Copy # 8 of manuscript of Papers of RHG as originally typed, Jan.-April 1944
 Copy # 8 of manuscript of Papers of RHG as originally typed, May-Oct. 1944
 Copy # 8 of manuscript of Papers of RHG as originally typed, Nov. 1944-Jan. 1945
 Copy # 8 of manuscript of Papers of RHG as originally typed, Feb.-May 1945
 Copy # 8 of manuscript of Papers of RHG as originally typed, June 1945-March 1949

Box 1-1-41 **Pendray, G. Edward, 1945-1975**

Pendray, G. Edward, correspondence, March 1945-Dec. 1947
 Pendray, G. Edward, correspondence and booklet, Jan. 1948-Dec. 1949
 Pendray, G. Edward, correspondence and printed material, Jan. 1950-Nov. 1955
 Pendray, G. Edward, correspondence, Jan. 1956-Dec. 1958
 Pendray, G. Edward, correspondence, Jan. 1959- Dec. 1960
 Pendray, G. Edward, correspondence, Jan. 1961- Nov. 1963
 Pendray, G. Edward, correspondence and printed material, Jan. 1964-Dec. 1966
 Pendray, G. Edward, correspondence, March, 1968-July 1975

Box 1-1-42 **Personal Correspondence, 1945-1963**

Letter from ECG to parents, July 26, 1930
 Letters to/from ECG and friends in Roswell, NM
 ECG papers, personal-correspondence and booklet, 1945-1948
 ECG papers, personal-correspondence and printed material, 1950-1959
 ECG papers, personal-correspondence and clippings, 1960-1961

ECG papers, personal-correspondence and printed material, 1962 (2 folders)
 ECG papers, personal-correspondence, 1963
 ECG papers, personal-correspondence and printed material, 1963
 Greeting Cards, 1959-1974

Box 1-1-43 **Personal Correspondence, 1964-1965**

ECG papers, personal-correspondence and printed material, 1964 (2 folders)
 ECG papers, personal-correspondence and printed material, 1965 (4 folders)

Box 1-1-44 **Personal Correspondence, 1966-1978**

ECG papers, personal-correspondence, 1966
 ECG papers, personal-correspondence and booklet, 1967
 ECG papers, personal-correspondence and program, 1968-1969
 ECG papers, personal-correspondence and printed material, 1970
 ECG papers, personal-correspondence, 1971 and 1973-1974
 ECG papers, personal-correspondence and printed material, 1975-1978

Box 1-1-45 **Price, Wesley - Publicity, 1947-1958**

Price, Wesley-correspondence and magazine article, March 1953-Feb. 1957
 (succeeded by Milton Lehman)
 ECG Papers, correspondence to Wesley Price
 Publicity Contracts for Movie and TV Programs, Sept. 1957, Aug. 1959,
 June 1962, Sept.- Dec. 1967
 Publicity, Rocket TV Programs, correspondence, 1956-1960
 Publicity, correspondence, 1942
 Publicity, correspondence and printed material, 1947-1953
 Publicity, correspondence and printed material, 1954-1955
 Publicity, correspondence, 1956
 Publicity for RHG, photos, articles, correspondence and printed material, 1957
 Publicity, correspondence and printed material, 1958

Box 1-1-46 **Publicity, 1959-1961**

Publicity for RHG, photos, articles, correspondence and printed materials, 1959
 (2 folders)
 Publicity for RHG, photos, articles, correspondence and printed materials, 1960
 (2 folders)
 Publicity for RHG, photos, articles, correspondence and printed materials, 1961
 (2 folders)

Box 1-1-47 **Publicity, 1962-1963**

Publicity, correspondence, 1962
 Publicity, correspondence and program, 1962
 Publicity, correspondence and printed material, 1962
 Publicity, correspondence and printed material, 1963 (3 folders)

Publicity for RHG, photos, articles, correspondence and printed material, 1962

Box 1-1-48 **Publicity, 1964-1965**

Publicity, correspondence, 1964

Publicity, correspondence and printed material, 1964 (2 folders)

Publicity, correspondence and printed material, 1965 (3 folders)

Box 1-1-49 **Publicity, 1966-1968**

Publicity, correspondence, 1966

Publicity, correspondence and printed material, 1966 (2 folders)

Publicity, correspondence and printed material, 1967

Publicity, correspondence and printed material, 1968

Box 1-1-50 **Publicity, 1969-1974**

ECG Papers, publicity, no date

Publicity, correspondence, 1970

Publicity, correspondence and printed material, 1969

Publicity, correspondence and printed material, 1970

Publicity, correspondence and printed material, 1971

Publicity, correspondence and printed material, 1972

Publicity, correspondence and printed material, 1973

Publicity, correspondence and printed material, 1974

Publicity, correspondence and printed material, 1975

Publicity, correspondence and printed material, 1976-1977

Box 1-1-51 **Robillard, George - Roswell Museum, NM**

Robillard, Captain George, patents, correspondence and printed material,
May-June 1951

Roswell, NM, Real Estate, Inventories Etc., correspondence and printed material,
May 1937-March 1947

Rocket Development, Prentice Hall, correspondence, Dec, 1945-Dec. 1951

Rocket Exhibition, Roswell, NM – brochure

Rocket Industry, correspondence and printed material, Mar. 1948-June 1964

Rocket Development (re-issue), Prentice Hall correspondence, Jan 1960-Jun. 1965

Rocket Queries, Misc. correspondence, May 1944-Feb. 1952

ECG Papers, Percy Roope Correspondence, 1965-1976

Box 1-1-52 **Roswell Museum, NM - Smith College**

Roswell Museum (Aston, Vanderwart, etc.), correspondence and photograph,
April 1959-Dec.1962

Roswell Museum, correspondence, Jan.-Dec. 1963

Roswell Museum, correspondence and brochure, Jan.-Dec. 1964

Roswell Museum, correspondence and printed material, Jan.-Dec.1965

Roswell Museum, correspondence and printed material, Oct. 1968-Dec. 1974

Roswell Museum, correspondence, Jan.-Oct. 1975
 Rotary Club, Worcester, correspondence, April-May 1975
 Rotary Club, Auburn, correspondence, 1976
 Ruttiman, Alfred, correspondence and printed material, April 1950-March 1961
 Samarkand, Santa Barbara Retirement Residence, correspondence and printed material,
 Dec.1972-June 1975
 School Department (general employment), correspondence and printed material,
 Aug. 1944-May 1959
 Smith College, correspondence, March 1973-Oct. 1975

Box 1-1-53 **Smithsonian Institution, 1945-1969**

Smithsonian Institution, correspondence, Oct. 1945-Dec. 1958
 Smithsonian Institution, correspondence and clipping, Jan. 1959-Dec. 1960
 Smithsonian Institution, correspondence and printed material, Jan. 1961-Dec. 1963
 Smithsonian Institution, correspondence and printed material, March 1964-Dec. 1965
 Smithsonian Institution, correspondence and printed material, Jan. 1966-Dec. 1969

Box 1-1-54 **Smithsonian Institution, 1970-1974 - Stuhlinger, Ernst**

Smithsonian Institution, correspondence and printed material, Jan. 1970-Dec. 1971
 Smithsonian Institution, correspondence and printed material, Jan.-Dec. 1972
 Smithsonian Institution, correspondence and printed material, Jan.-Dec. 1973
 Smithsonian Institution, correspondence and printed material, Jan.-Dec. 1974
 Smithsonian Institution, correspondence, Jan.1975-Feb. 1976
 Typings, 1945-1959 (ECG activities)
 Solar energy, correspondence and printed material, March-July 1974
 Space Journal, Ralph E. Jennings, correspondence
 Stine, G. Harry (Model Missile Assn.), correspondence and article, Aug. 1953-
 March 1958
 Students, Former (Dow, Parkes, Hastings, Castaldi, Berner), correspondence and
 brochure, Oct. 1945-Sept. 1960
 Students, former, correspondence, June 1961-Dec. 1971
 Stuhlinger, Ernst, Huntsville, Ala., Re: workshops in orbit, for new products, metals,
 etc., correspondence and photographs, Oct. 1973-July 1974

Box 1-1-55 **Speeches, 1949-1963 - Summary of Foreign Rocket Literature**

ECG, papers and speeches, 1949-1963 (I)
 ECG, papers and speeches, 1964-1966 (II)
 ECG, papers and speeches, 1967-1973 (III)
 Summary of US, British, French and Russian Rocket Literature, printed material,
 1924-1957
 Summary of German Rocket Literature, printed material, 1923-1929
 Summary of German Rocket Literature, printed material, 1930-1933
 Summary of German Rocket Literature, printed material, 1934-1956

Box 1-1-56 **Thompson, L.T.E., 1946-1960 - White Sands Missile Range**
 Thompson, L.T.E., correspondence and printed material, Feb. 1946-Sept. 1960
 Travel, brochures, correspondence, printed material, itineraries, notes, 1953-1964
 Travel, brochures, correspondence, passport and printed material, 1966-1973
 Travel, USSR and Balkans, printed material, Aug.-Sept. 1970
 Universe Astronautics Foundation, Inc., correspondence and printed material,
 Nov. 1971-March 1973
 USSR, correspondence and printed material, Feb. 1969-Sept. 1974
 U-2, comment, correspondence and printed material, June 1956-April 1958
 Vandenburg Air Force Base and Point Arguello (Navy) correspondence, Oct. 1961-
 April 1962
 Viskovska, Mme. Nin, Mileteceva 100, Belackva, Bonat, Yugoslavia,
 correspondence, July 1971-Sept. 1974
 White Sands Proving Grounds, correspondence, Jan. 1948-Aug. 1955
 White Sands Missile Range, correspondence and map, Aug.-Nov. 1965
 White Sands Missile Range (re: German Maul Rocket 1907), correspondence and
 printed material, July 1973-June 1975

Box 1-1-57 **Wolper, David L. - Worcester Science Center**
 Wolper, David L., correspondence and contract for TV interview, "The Race For
 Space," printed material, July 1959-Nov. 1973
 Worcester Area Chamber of Commerce, correspondence and printed material,
 Feb.-Dec. 1963
 Worcester House and Land, correspondence and printed material,
 March 1931-Dec. 1955
 Worcester Polytechnic Institute, correspondence and printed material, Jan. 1957-
 Nov. 1960
 Worcester Polytechnic Institute, correspondence and printed material, Feb. 1961-
 Dec. 1964
 Worcester Polytechnic Institute, correspondence and printed material, Jan.-Sept. 1965
 Worcester Polytechnic Institute, correspondence and printed material, Jan. 1966-
 Dec. 1970
 Worcester Polytechnic Institute, correspondence and printed material, Jan. 1971-
 April 1976
 Worcester Science Center, correspondence, May 1962-Dec. 1971

SUBSERIES 2 CARBON COPIES OF MRS. GODDARD'S CORRESPONDENCE

BOX 1-2-1 ECG Carbons - 1945
 ECG Carbons - 1950 - 1959
 ECG Carbons - 1960 - 1969

SUBSERIES 3 DEGREES AND CERTIFICATES

- Box 1-3-1 **Esther Goddard's Degrees and Certificates**
 Nasson College
 Anna Maria College
 Clark University
 Worcester Polytechnic Institute
 Paul Harris Fellow
 National Rocket Club Certificate of Appreciation (2)
 Arthritis Foundation Distinguished Service Award
 Massachusetts Federation of Business and Professional Women's Clubs Meritorious
 Public Service Citation
 National Space Club Certificate of Membership
 American Astronautical Society Certificate of Fellowship
 Johns Hopkins University Bachelor of Science Degree
 The Two Thousand Women of Achievement Diploma for Distinguished Achievement
 National League of American Pen Women, Inc., Honorary Membership
 The Marquis Who's Who Publications Board Certificates
 Mohegan Council Boy Scouts Eagle Scout Sponsor Recognition
 Chaves County Historical Society Proclamation

SUBSERIES 4 MISCELLANEOUS DOCUMENTS

- BOX 1-4-1 Diary - January 1, 1931 - June 10, 1931.
 ECG Pension & Annuity Papers
 Goddard-Curtiss Wright Agreements
 Patent Assignments to D. & F. Guggenheim Foundation by RHG & ECG, 1934 - 1954
 Settlement of Patent Claim by U.S. Government
 Crompton-Goddard Agreements and Cancellations, together with correspondence

**SUBSERIES 5 EARLY WORK FOR BIOGRAPHY OF RHG ENTITLED "HIGH
 LONESOME" BY ECG**

- BOX 1-5-1 High Lonesome Chapter 1
 High Lonesome Chapter 2
 High Lonesome Chapter 3
 High Lonesome Chapter 4
 High Lonesome Chapter 5
 High Lonesome Chapter 6
 High Lonesome Chapter 7

High Lonesome Chapter 8
High Lonesome Chapter 9
High Lonesome Chapter 10
High Lonesome Chapter 11
High Lonesome Chapter 12
High Lonesome Chapter 13
High Lonesome Chapter 14
High Lonesome Chapter 15
High Lonesome Chapter 16
High Lonesome Chapter 1 - 7
High Lonesome Chapter 8 - 16

SERIES 2 NONPRINT MATERIAL

Box 2-1 **Clark University Degree Items**
Honorary degree from Clark University
Gown belonging to Mrs. Robert H. Goddard (Given to Clark University by
Mrs. Albert Kisk)

Box 2-2 **Clark University Degree Items**
CAP and COWLS belonging to Mrs. Robert H. Goddard (Given to Clark University
by Mrs. Albert Kisk)

MATERIAL RELATED TO GODDARD

SERIES 1 AWARDS AND MEDALS

Box 1-1 Congressional Medals awarded 1959 (5)
 Langley Medal presented by the Smithsonian Institution, 1960
 Daniel Guggenheim Award (3), 1964
 The Goddard Medal, sponsored by the American Institute of Aeronautics and
 Astronautics annually. Gift to ECG, March 1967
 10th Anniversary Explorer 1 Coin, Jan. 31, 1968, "A tribute to Robert H.
 Goddard, a pioneer of the space age"
 10th Anniversary Explorer 1 Coin, Jan. 31, 1968, "A tribute to Mrs. Robert H.
 Goddard, a pioneer of the space age"
 Paul Harris Fellow awarded to ECG, April 1975
 D.A.R. Award in History given to ECG, April 1968

Oversize/framed (stored in the downstairs cabinet)

(RHG) A painting of the Goddard family crest
 Air Force Association Annual Air Power Award, September 14, 1957
 Eisenhower's Message to be read at R.H.G. Memorial, April
 25, 1959
 USA Office of Scientific Research and Development
 Louis W. Hill Space Transportation Award, 1958
 South High School Proclamation of R.H.G. Day, March 16, 1976
 City of Roswell, Resolution no.1003, April 7, 1959
 Roswell Rotary Club, "In Appreciation", no date
 Rotary Club, Auburn, MA, flag, October 25, 1969
 Proclamation by Worcester Mayor, Thomas J. Early, for March 16,
 1976 as "Dr. Goddard Day"
 Photo of Rocket Stand, signed by Fort Devens Colonel, May 28,
 1976
 Proclamation by Massachusetts Governor Michael Dukakis, for Dr.
 Robert H. Goddard Week, Oct. 16-21, 1978
 Proclamation from Ronald Regan declaring "Dr. Robert
 H. Goddard Day." October 5, 1982.
 Framed Picture of Robert H. Goddard Library Dedication on May
 19, 1969, also Scissors and Ribbon

(ECG) Honorary Citizen Certificate from Roswell, N. M., February 22,
 1962

Air Force Association Charter, March 23, 1962
 Business and Professional Women's Club of Worcester, October 9
 1958
 The Hundred Club of Massachusetts
 WPI Board of Trustees, June 6, 1958
 WPI Honorary Alumna Award, March 16, 1965
 Framed Letter of Thanks from Mrs. Goddard to International Rotary
 Club, April 5, 1975
 Soroptimist Club of Worcester, Honorary Membership, January 15,
 1967

SERIES 2 COINS AND MEDALLIONS

Box 2-1 America in Space Album, proof set of 24 silver coins, first of which
 Shows RGH and first successful rocket
 Collection of 60 Coins Displaying America's Space Progress, first
 Shows RGH and first rocket
 "First Man on the Moon" Commemorative Medallion (3)
 2nd Anniversary of First Moon Landing Commemorative
 50th Anniversary of first flight, American Institute of Aeronautics and
 Astronautics, given to ECG, 1981
 60th Anniversary of Dr. Goddard's first rocket flight coins made by
 New England Numismatic Assoc., 1986 (3)
 1992 silver dollar from the Seville Expo with Robert Goddard quote

SERIES 3 EVENTS

Box 3-1 Subseries 1 GODDARD CENTENNIAL AND EXPOSITION,
 1982

Correspondence
 "Dr. Robert H. Goddard Day", October 1982
 Esther C. Goddard Memorial Service
 Memorabilia
 Photos
 Poster from the Oregon Museum of Science and
 Industry
 Press Releases/Publications

Subseries 2 GODDARD ROCKET LAUNCH SITE
 REDEDICATION, 2001

Subseries 3 GODDARD ROCKET REPLICA PROJECT, 2003

SERIES 4 PLAQUES (stored in the downstairs cabinet)

American Institute of Aeronautics and Astronautics, 4th Sounding Rocket Conference to Robert Goddard "In recognition of his Outstanding contribution to rocketry." June 23-25, 1976
 Goddard Industrial Center plaque presented June 19, 1961 to ECG
 Macalester College plaque, June, 1965
 Robert H. Goddard Plaque (with rock from Roswell, NM monument to RHG)
 Rocket Industry Aerospace Plaque (from Thiokol Chemical Corporation)
 Roswell, NM plaque making ECG honorary citizen, with key, June 2, 1969
 U.S. Patent Office Plaque with RHG diagram from patent filed 10/1/1913, presented to Clark University by NASA, October 19, 1978

SERIES 5 STAMPS

Box 5-1 Artwork for first-day cover for Robert H. Goddard stamp
 A sheet of Robert H. Goddard stamps
 Framed Post Office bulletin about the Goddard stamp (currently in a display case on the second floor of the Goddard Library)
 Elliott Rich Notebook of Goddard and space stamps
 6 envelopes with first day of issue Goddard stamps
 Wooden plaque to the Robert H. Goddard Library from the Citizens Of Roswell, NM with sheet of Robert H. Goddard stamps
 Mounted first day issue stamps and envelope

SERIES 6 MISCELLANEOUS

Box 6-1 Auburn Rotary Club flag, gift to ECG 11/16/1966
 Boy Scout Goddard neckerchief
 Goddard Space Flight Center banner
 Massachusetts History Day T-shirt

Box 6-2 Goddard Space Flight Center pass for ECG
 Pin of the National Honor Society presented to ECG, February 1969

Pin of membership to the American Business Women's Association,
(ECG joined in 1974)
Silver "G" pendant given to ECG at dedication of the Goddard
Memorial Park, Auburn, MA, May 25, 1970
Wooden box with key to open sealed capsule at General
Dynamics/Astronautics, San Diego, CA, 2063.
Plate by Worcester Telegram for publicity for patent of RHG
(7/24/69)
Plate from Goddard Space Flight Center for 10th anniversary (3/16/71)
Plate of 50th anniversary of liquid propelled rocket (Auburn, MA.
3/16/26)
Plate designed by Alexander for Convair Division of General
Dynamics
Piece of glazed soil from Trinity, NM after explosion of first atomic
bomb
Piece of ash in Lucite from explosion of first atomic bomb

- Box 6-3 Auburn Christmas tree ornament
Golden Trowel from the dedication of Goddard Hall at WPI, 5/8/65,
Gift of the Olin Foundation
Goddard Boulevard Dedication at General Electric Co., Valley Forge,
PA, October 12, 1962
ECG Funeral Book
Golden Cross
Two Lichtenberg Figures (Nuclear Effects Branch) given to ECG by
White Sands Missile Range in 1965 and 1971
Recording from Roswell Elementary School, May 1964
- Box 6-4 Goddard book that accompanied Apollo 11 to the Moon, gift to ECG
from the crew of Apollo 11, March 18, 1970

Oversize material (stored in downstairs cabinet)

ECG's jewelry box, includes:
Daguerreotype of a man and baby, in case
Diary "My Trip Abroad", August - September, 1938
Diary, July 26, 1960 - August 5, 1960
2 programs from cruise to Spitsbergen, 8/8 and 8/9/60
Envelope of dried flowers from ECG's wedding bouquet
Folded map of the world
A pair of ECG's glasses
Ring with initials R.G.
Small frame with picture of RHG

2 space-related pins
Leather framed portrait of RHG (belonging to ECG)
Small painted portrait of ECG in case, unknown date
Goddard Blow Torch
Hard hat from the Rocket Research Institute, Inc. "Mrs. Robert H.
Goddard, October 5, 1964
Scale model of Goddard's first launch frame
Silver bowl given to ECG by Presidents of the National Space Club
(3/17/70)
"The Shepherds' Christmas, New Mexico" by artist Peter Hurd, gift
to Dr. and Mrs. Goddard

Oversize material (stored on top of Goddard shelves)

Painting of a launch given to ECG by the Roswell, NM postal
employees
2 reproductions of a painting of Goddard's first launch, gift to the
Robert H. Goddard Library by the John Hancock Mutual Life
Insurance Co.

MATERIAL RELATED TO SPACE

SERIES 1

ARTICLES, MAPS, POSTERS

Box 1-1

Articles - General
Articles - Apollo 11
Maps of the Moon
Posters

SERIES 2

COINS

Box 2-1

Apollo Coin, "Earth, Moon, Earth"
Apollo 8 Medallion made with aluminum carried in orbit around Moon
Apollo 11, silver, Commemorative Medal
Apollo 11, silver, "Mission Accomplished"
Apollo 11, silver (2), "First Lunar Landing
Apollo 11 (2), "That's one small step..."
Apollo 11, silver, "First manned landing on the Moon"
Medal carried by Aldrin on Apollo 11 given to ECG at Goddard
Dinner, March 18, 1970
Apollo 11, bronze, "Man's First Lunar Landing"
Apollo 12, bronze (2)
Apollo 12, "Yankee Clipper"
Apollo 13, bronze
Apollo 14, silver
Apollo 14, silver from Franklin Mint
Apollo 14, bronze
Apollo 15, bronze
Apollo 16, bronze
Apollo 17, bronze
Apollo 17, silver, Eyewitness Medal
Gemini 12 coin
Roswell's Centennial Coin, 1973
White Sands Missile Range 25th Anniversary, 1970
Wright Brothers coin, bronze, Hall of Fame for Great Americans at
New York University
Wright Brothers, Pioneers of Flight, Lindbergh Coin, bronze
Framed photo of back of Wright Brothers, Pioneers of Flight coin
with "Tribute to Apollo"
10th Anniversary of Americans in Space by Franklin Mint, silver bar
"They Came in Peace" Coin

SERIES 3**STAMPS**

Box 3-1

Notebook of Space Covers, stamped envelopes with Signatures
 Signature Album presented to ECG by William J. Numeroff
 Framed First Day Cover honoring John H. Glenn
 Treaty on Principles Governing the Activities of States In the Exploration and Use of Outer Space, Including the Moon and Other Celestial Bodies (3 copies) with first day of issue stamps
 Agreement on the Rescue of Astronauts, the Return of Astronauts and the Return of Objects Launched Into Outer Space, with first day of issue stamp
 25 space envelopes collected by Fred Zaugg

SERIES 4**MISCELLANEOUS**

Box 4-1

Copy of plaque left on the Moon, July 1969
 Index cards autographed by 6 astronauts: Conrad, Cooper, Grissom, McDivitt, Young, White
 The Men from Planet Earth coaster
 Space Stickers and Badges
 Star of Space City charm
 Audio highlights of the Apollo 11 Lunar Landing record
 Hamond Talking Series, Trip to the Moon record
 1st Moon Landing, July 1969 plate
 Apollo VII - XVII plate
 "That's one small step for a man,..." plastic plate
 Victoria Spatii, 1969 plate
 Office of Systems Safety and Mission Assurance metal
 Badge with image of Goddard's first rocket, sent to Clark by Goddard Space Flight Center visitor

Oversize materials

Lunar Module Model (kept in downstairs cabinet)
 Saturn 1 Rocket model (kept in downstairs cabinet)
 Framed "Special Collectors Series" of Apollo
 Astronauts Patches (kept on top of shelves)

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