The Robert H. Goddard Papers

Robert H. Goddard

Follow this and additional works at: http://commons.clarku.edu/goddard_library_finding_aids

Part of the Aeronautical Vehicles Commons, Engineering Physics Commons, Navigation, Guidance, Control and Dynamics Commons, Propulsion and Power Commons, and the Structures and Materials Commons

Recommended Citation

This Finding Aid is brought to you for free and open access by the Special Collections at Clark Digital Commons. It has been accepted for inclusion in Archives and Special Collections Finding Aids by an authorized administrator of Clark Digital Commons. For more information, please contact celwell@clarku.edu.
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 Goddard's unpublished M.A. Thesis, original manuscripts, pocket diaries, rocket experiment test data, his first two U.S. Letters Patents, and some correspondence.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  
<table>
<thead>
<tr>
<th>Year(s)</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1914-1915</td>
<td>Instructor in Physics, Clark College; Assistant Professor 1915-1919; Associate Professor, 1919-1920</td>
</tr>
<tr>
<td>1915</td>
<td>Proves experimentally that a rocket will provide thrust in a vacuum</td>
</tr>
<tr>
<td>1916-1918</td>
<td>Instructor, Clark University</td>
</tr>
<tr>
<td>1917, January 5</td>
<td>Received first financial assistance from the Smithsonian Institution ($5,000 from Hodgkins Fund); Further grants made through 1929 &amp; in 1932</td>
</tr>
<tr>
<td>1917-1918</td>
<td>Developed the basis for the rocket weapon, later known as the bazooka, done for U.S. Army Signal Corps &amp; Ordnance Department, in the shops at the Worcester Polytechnic Institute, at Clark University, &amp; 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.</td>
</tr>
<tr>
<td>1919</td>
<td>First to publish in the U.S. a basic mathematical theory underlying rocket propulsion &amp; rocket flight, together with results of experiments with solid-propellant rockets, &quot;A Method of Reaching Extreme Altitudes&quot;, Smithsonian Miscellaneous Collections, Vol. 71, No. 2</td>
</tr>
<tr>
<td>1920-1923</td>
<td>Part-time consultant on solid-propellant rocket weapons for U.S. Government at Indian Head, Maryland</td>
</tr>
<tr>
<td>1920-1925</td>
<td>First to develop a rocket motor using liquid propellants (liquid oxygen &amp; gasoline)</td>
</tr>
<tr>
<td>1920-1943, August 5</td>
<td>Professor, Clark University</td>
</tr>
<tr>
<td>1923-1943</td>
<td>Director of the Physical Laboratories, Clark University; is chairman of the physics and mathematics departments</td>
</tr>
<tr>
<td>1924, June 21</td>
<td>Married Esther Christine Kisk</td>
</tr>
<tr>
<td>1925</td>
<td>Static test at Clark University: liquid-propellant rocket lifted its own weight for first time</td>
</tr>
</tbody>
</table>
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", Smithsonian Miscellaneous Collections, 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
R.H. GODDARD PAPERS
Description of Series

SERIES

Series 1  Family & Personal Papers, 1855-August, 1945 (4 boxes)

Family papers & genealogy, autobiographical & biographical statements, & pocket diaries arranged chronologically.

Series 2  Professional & General Correspondence, 1901-1945 (13 boxes)

Correspondence relating to Dr. Goddard's youth, personal & professional life, arranged by subseries: "Letters To", "Letters From", "Letters About", & within folders chronologically. These folders include copies of Dr. Goddard's carbons which have been made on acid-free permalife paper. The carbon copies are in a separate subseries.

Series 3  Academics, 1906- (2 boxes)

Undergraduate laboratory experiments (xerox copies from Worcester Polytechnic Institute Archives), Physics Department lecture notebooks arranged chronologically.

Series 4  Rocket Theory & Experiments, 1903-1945 (12 boxes)

Affidavits regarding rocket theory & hardware, notebooks, test data recording static tests & actual test flights for powder & liquid propellant rockets. Also test data relating to the adaptation of the rocket principle to the prototype of the bazooka, early depth charge projectile (trench mortar), & JATO (Jet Assisted Take-Off Device). Note cards kept by ECG on rocket parts and systems, with cross references to Dr. Goddard’s progress reports to the Navy and to his notebooks and affidavits, and test results.

Series 5  Consulting Engineer, 1942-1945 (1 box)
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 [Nature Science for Young Folks]  
W.F. Magie  
J. Marshall  
Munn & Co. [Scientific American]

J. Mc.K. Cattel [Popular Science Monthly]  
W.W. Payne [Popular Astronomy]

R. Cory  
G.B. Pegram  
J. Daniels [Popular Science News]

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
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

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

BOX 2-1-3

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

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.Hoeffä  
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. Riffölt  
R. Earle  H. Sachs  
S. Egoroff  F.O.L. von Hoeffä  
A. Elewry  C.D. Walcott  
C.W. Goddard  A. Wetmore
H.C. Goddard  
A. Gradenwitz

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

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

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

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

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

C.G. Abbott  
J.A. Anderson  
W.W. Atwood  
Association of Inventors,  
Moscow  
S. Averbuchy  
E.B. Genesiran  
J. Kiener  
R. Lademann  
R. Oldenbourg  
M. Proctor  
J.R. Randolph  
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  Popular Science
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

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. McClunghan (?)
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 F.G. Keyes
Soc. for the Inves- I. Koizumi
tigation of the Uni- G. Kraska
verse R. Lademann
E.M. Baker D. Lassar
A.M. Belfry J. Mach
L.A. Bliss C.F. Marvin
H. Breckinridge M.C. Mawhinney
W. Brugel R.A. Millikan
S. Callaway E.G. Minton
A.B. Curtis H. Montgomery
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
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
A.A. Collins S.S. MacKeown
F.A. Collins    G.D. Moloney
M.H. Collins   H.E. Rose
V. Coppola      P. Rousseau
G.V. Draper G.A. Sauer
R. Esnault-Pelterie R.M. Seeling
L.D. Gardner L.A. Stevens
H. Gorden   H.F. Taylor
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. Cohrane      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
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)

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
<table>
<thead>
<tr>
<th>Letters TO Dr. Robert H. Goddard, January 4-March 30, 1939</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.G. Abbott</td>
</tr>
<tr>
<td>A.F. Andersen</td>
</tr>
<tr>
<td>W.W. Atwood</td>
</tr>
<tr>
<td>L.P. Barlow</td>
</tr>
<tr>
<td>W. Barnitz</td>
</tr>
<tr>
<td>D. Bielakoff</td>
</tr>
<tr>
<td>J.E. Buckles</td>
</tr>
<tr>
<td>F.A. Collins</td>
</tr>
<tr>
<td>J.R. Erwin</td>
</tr>
<tr>
<td>L.D. Gardner</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Letters TO Dr. Robert H. Goddard, April 1-July 31, 1939</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Ananoff</td>
</tr>
<tr>
<td>W.W. Atwood</td>
</tr>
<tr>
<td>H.W. Blakeslee</td>
</tr>
<tr>
<td>G. Calabresse</td>
</tr>
<tr>
<td>L.A. Codd</td>
</tr>
<tr>
<td>F.B. Colton</td>
</tr>
<tr>
<td>J.H. Doolittle</td>
</tr>
<tr>
<td>J.A. Dorst</td>
</tr>
<tr>
<td>R.E. Ellis</td>
</tr>
</tbody>
</table>
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. Williamson
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.
R.L. Bleicher               Hale)
F.A. Collins                J.T. Manthaus
V. Coppola                  R. Picard
G. Grosvenor                R. Schwab
H.F. Guggenheim             M.K. Smart
J.R. Hildebrand             H.F. Stimson
J. Hix                      F. Storm
McF. Kerbey                 L.T.E. Thompson

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, Jr.           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

**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 Com-
F.O. Carroll   mittee for Aeronautics
F.B. Cliffe   J.W. Price
F.A. Collins   A.C. Satin
I.B. Davis   H.F. Stimson
W.E. Dillon   T.R. Taylor
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

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   C.E. Nighman
J.A. Haley)   M.A. Norcross
H.A. Boushey, Jr.   I.H. Owen
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
<table>
<thead>
<tr>
<th>Letters FROM Dr. Robert H. Goddard, January 1-April 27, 1942</th>
</tr>
</thead>
<tbody>
<tr>
<td>Letters FROM Dr. Robert H. Goddard, May 1-August 31, 1942</td>
</tr>
<tr>
<td>Letters FROM Dr. Robert H. Goddard, September 2-October 31, 1942</td>
</tr>
<tr>
<td>Letters FROM Dr. Robert H. Goddard, November 1-December 30, 1942</td>
</tr>
<tr>
<td>Letters ABOUT Dr. Robert H. Goddard, &amp; Miscellaneous Correspondence, September 7, 1941-August 20, 1942</td>
</tr>
</tbody>
</table>

**BOX 2-1-9**

<table>
<thead>
<tr>
<th>Letters TO Dr. Robert H. Goddard, January 1-February 26, 1943</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.G. Abbot</td>
</tr>
<tr>
<td>W.W. Atwood</td>
</tr>
<tr>
<td>T.W. Blackwell</td>
</tr>
<tr>
<td>M.B. Bleecker</td>
</tr>
<tr>
<td>B. Castaldi</td>
</tr>
<tr>
<td>F.A. Collins</td>
</tr>
<tr>
<td>F. Cutter</td>
</tr>
<tr>
<td>R.B. Dow</td>
</tr>
<tr>
<td>E.A. Evans</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Letters TO Dr. Robert H. Goddard, March 3-May 26, 1943</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.G. Abbot</td>
</tr>
<tr>
<td>C.M. Allen</td>
</tr>
<tr>
<td>M.B. Bleecker</td>
</tr>
<tr>
<td>H. Breckinridge</td>
</tr>
<tr>
<td>F.A. Collins</td>
</tr>
<tr>
<td>P. Covici</td>
</tr>
<tr>
<td>C.M. Fisher</td>
</tr>
<tr>
<td>H.F. Guggenheim</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Letters TO Dr. Robert H. Goddard, June 3-August 20, 1943</th>
</tr>
</thead>
<tbody>
<tr>
<td>W.W. Atwood</td>
</tr>
</tbody>
</table>
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
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    I. Stewart
R.B. Dow    P. Waskiewicz
R.L. Earle    J.N. Wheeler
C.M. Fisher

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

R.G. Bolin    W.S. Orton
W.H. Cole    J.E. Pasek
R.L. Earle    G.E. Pendray
C.M. Fisher    M.A. Rosanoff
L.O. Heck    L.T.E. Thompson
(?) Homer    A. Wetmore
W.G. Jones

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

B.H. Cole    C.N. Hickman
F.A. Collins    C.P. Lent
R.L. Earle    W.D. Morgan, Jr.
J.F. Finnegan    R. Mulkey (by R.M. Remmele)
C.F. Fischer
C.M. Fisher    W.S. Orton
J. Frandsen    J.E. Pasek
T. Greene    G.E. Pendray
H.F. Guggenheim    S. Price
C.T. Hawley    P.M. Roope

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

W.B. Allen    H.T. Kelley
F.A. Collins    McF. Kerbey
R.B. Dow    W.S. Orton
R.L. Earle    J.C. Peck (by D. Herring)
J. Forrestal    G.E. Pendray
C.T. Hawley    G.C. Rodgers
J.H. Howard    L.C. Roy
J.O. La Gorce (by L.J. Canova)    R.C. Truax

**Letters TO Dr. Robert H. Goddard, February 1-March 31, 1945**
<table>
<thead>
<tr>
<th>Letters TO Dr. Robert H. Goddard, April 6-May 29, 1945</th>
</tr>
</thead>
<tbody>
<tr>
<td>W.W. Atwood</td>
</tr>
<tr>
<td>C.F. Benner</td>
</tr>
<tr>
<td>H.A. Boushey, Jr.</td>
</tr>
<tr>
<td>F.A. Collins</td>
</tr>
<tr>
<td>R.L. Earle</td>
</tr>
<tr>
<td>A.H. Emery</td>
</tr>
<tr>
<td>C.F. Fischer</td>
</tr>
<tr>
<td>R.B. Hastings</td>
</tr>
<tr>
<td>D.E. Higgins</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Letters TO Dr. Robert H. Goddard, June 6-23, 1945</th>
</tr>
</thead>
<tbody>
<tr>
<td>F.A. Collins</td>
</tr>
<tr>
<td>K. Cooper</td>
</tr>
<tr>
<td>C.E. Curtiss</td>
</tr>
<tr>
<td>R.L. Earle</td>
</tr>
<tr>
<td>C.M. Fisher</td>
</tr>
<tr>
<td>H.F. Guggenheim</td>
</tr>
<tr>
<td>W.S. Orton</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Letters TO Dr. Robert H. Goddard and/or Mrs. Goddard, July 5-December 1, 1945</th>
</tr>
</thead>
<tbody>
<tr>
<td>W.W. Atwood</td>
</tr>
<tr>
<td>M.W. Carr</td>
</tr>
<tr>
<td>M.C. Chillson</td>
</tr>
<tr>
<td>F.A. Collins</td>
</tr>
<tr>
<td>M.L. Evons</td>
</tr>
<tr>
<td>C.M. Fisher</td>
</tr>
</tbody>
</table>
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  

**SUBSERIES 2**  
**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 - 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 - 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 - April - June 1942
R.H.G. Carbons - July - Sept. 1942
R.H.G. Carbons - April - June 1943
R.H.G. Carbons - July - Sept. 1943
R.H.G. Carbons - April - June 1944
R.H.G. Carbons - July - Sept. 1944
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), 1923 [cont.]
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.]  
"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.]

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 PBY, 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, 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
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)

**Patent Cases A-19**
- Patent Case #A
- Patent Cases #R, S, X
- Patent Cases #Y, Z
- Patent Case #Z [cont.]
- Patent Case #19

BOX 7-1-3 **Patent Cases 20-29 1/2**
- Patent Cases #20, 21, 22, 23
- Patent Cases # 24, 25
- Patent Case #26
- Patent Case #27
- Patent Case #27 [cont.]
- Patent Cases #28, 29
- Patent Case # 29 1/2

BOX 7-1-4 **Patent Cases 30-34b**
- Patent Case #30
- Patent Cases #30 [cont.], 30 1/2, 31
- Patent Case #32
- Patent Cases #33, 34
- Patent Case #34 [cont.]
- Patent Cases #34a, 34b

BOX 7-1-5 **Patent Cases 35-42**
- Patent Cases #35, 36
- Patent Case #37
- Patent Cases #38, 39
- Patent Cases #40, 41
- Patent Case #41 [cont.]
- Patent Case #42

BOX 7-1-6 **Patent Cases 43-47**
- Patent Cases #43, 44
Patent Case #44 [cont.]
Patent Case #45
Patent Case #46
Patent Case #47

BOX 7-1-7  **Patent Cases 48-52**
Patent Case #48
Patent Case #48a
Patent Cases #49, 50
Patent Case #50 [cont.]
Patent Case #51
Patent Case #52

BOX 7-1-8  **Patent Cases 53-58**
Patent Case #53
Patent Case #54
Patent Case #55
Patent Cases #55a, 56
Patent Cases #57, 58
Patent Case #58

BOX 7-1-9  **Patent Cases 58CN-62**
Patent Case #58CN
Patent Cases #58CN [cont.], 58CNA
Patent Case #59
Patent Case #60
Patent Case #60a
Patent Case #61
Patent Case #62

BOX 7-1-10  **Patent Cases 62a-68**
Patent Case #62a
Patent Case #63
Patent Case #64
Patent Case #65
Patent Case #66
Patent Case #67
Patent Case #68

BOX 7-1-11  **Patent Cases 69-74**
Patent Case #69
Patent Cases #70, 70a
Patent Case #71
Patent Case #72
Patent Cases #73, 73a
Patent Case #74

BOX 7-1-12

**Patent Cases 74a-76**
Patent Cases #74a, 74b
Patent Case #75
Patent Cases #75 [cont.], 75a, 75b
Reference Patents for Patent Cases #75, 75a, 75b
Patent Case #76

BOX 7-1-13

**Patent Cases #77-80x**
Patent Case #77
Patent Case #78
Patent Cases #78a, 78b
Patent Cases #79, 79a
Patent Case #80
Patent Case #80x

BOX 7-1-14

**Patent Cases #80xa-88**
Patent Case #80xa
Patent Cases #80xb, 81
Patent Cases #82, 83
Patent Case #84
Patent Cases #85, 86
Patent Case #87
Patent Case #88

BOX 7-1-15

**Patent Cases #89-98a**
Patent Cases #89, 90
Patent Cases #90a, 91, 91a
Patent Case #92
Patent Cases #93, 94
Patent Cases #95, 96
Patent Cases #97, 98, 98a

BOX 7-1-16

**Patent Cases #99-107**
Patent Cases #99, 100
Patent Case #101
Patent Case #102
Patent Case #103
Patent Cases #104, 105
Patent Cases #106, 107

BOX 7-1-17

**Patent Cases #108-118**
Patent Cases #108, 108a
Patent Cases #109, 110
Patent Cases #111, 112
Patent Cases #112a, 113
Patent Cases #114, 115, 116
Patent Cases # 117, 118

BOX 7-1-18 Patent Cases #119-130
Patent Cases #119, 120
Patent Cases #121, 122
Patent Cases #123, 124, 125
Patent Cases #126, 127
Patent Cases #128, 129, 130

BOX 7-1-19 Patent Cases #131-141
Patent Cases #131, 132
Patent Cases #133, 133a
Patent Cases #134, 135, 136
Patent Cases #137, 138
Patent Cases #139, 140, 141

BOX 7-1-20 Patent Cases #142-153
Patent Cases #142, 143, 144
Patent Cases #145, 146, 147
Patent Cases #147a, 148, 149
Patent Case #150
Patent Cases #151, 152, 153

BOX 7-1-21 Patent Cases #154-167
Patent Cases #154, 155, 156
Patent Cases #157, 158, 159
Patent Cases #160, 160a, 161
Patent Cases #162, 163, 164
Patent Cases #165, 166, 167

BOX 7-1-22 Patent Cases #168-186
Patent Cases #168, 169, 170
Patent Cases #171, 172, 173, 174
Patent Cases #175, 176, 177
Patent Cases #178, 179, 180
Patent Cases #181, 182, 183, 184
Patent Cases #185, 186

BOX 7-1-23 Patent Cases #187-201
Patent Cases #187, 188
Patent Cases #189, 190
Patent Cases #191, 192, 193
Patent Cases #194, 195, 196
Patent Cases #197, 198, 199
Patent Cases #200, 201

BOX 7-1-24  Patent Cases #202-210
Patent Cases #202, 203, 204
Patent Case #205
Patent Cases #206, 207
Patent Cases #208, 209, 210

SUBSERIES 2  BLUEPRINTS FOR PATENT CASES

BOX 7-2-1  Blueprints for Patent Cases #D-44
Patent Case #D
Patent Case #J
Patent Case #R
Patent Case #S
Patent Case #X
Patent Case #Y
Patent Case #19
Patent Case #20
Patent Case #23
Patent Case #24
Patent Case #25
Patent Case #26
Patent Case #27
Patent Case #28
Patent Case #29
Patent Case #29 1/2
Patent Case #30
Patent Case #30 1/2
Patent Case #31
Patent Case #32
Patent Case #33
Patent Case #34
Patent Case #34a
Patent Case #34b
Patent Case #35
Patent Case #36
Patent Case #37
Patent Case #38
Patent Case #39
Patent Case #40
Patent Case #41
Patent Case #42
Patent Case #43
Patent Case #44

BOX 7-2-2

Blueprints for Patent Cases #45-59
Patent Case #45
Patent Case #46
Patent Case #47
Patent Case #48
Patent Case #48a
Patent Case #49
Patent Case #50
Patent Case #51
Patent Case #52
Patent Case #53
Patent Case #54
Patent Case #55
Patent Case #55a
Patent Case #56
Patent Case #57
Patent Case #58
Patent Case #58cn
Patent Case #58cna
Patent Case #59

BOX 7-2-3

Blueprints for Patent Cases #60-73a
Patent Case #60
Patent Case #60a
Patent Case #61
Patent Case #62
Patent Case #62a
Patent Case #63
Patent Case #64
Patent Case #65
Patent Case #66
Patent Case #67
Patent Case #68
Patent Case #69
Patent Case #70
Patent Case #70a
Patent Case #71
Patent Case #72
Patent Case #73
Patent Case #73a

BOX 7-2-4  **Blueprints for Patent Cases #74-92**
Patent Case #74
Patent Case #74a
Patent Case #74b
Patent Case #75
Patent Case #75a
Patent Case #75b
Patent Case #76
Patent Case #77
Patent Case #78
Patent Case #78a
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
Patent Case #92

BOX 7-2-5  **Blueprints for Patent Cases #93-130**
Patent Case #93
Patent Case #94
Patent Case #95
Patent Case #96
Patent Case #97
Patent Case #98
Patent Case #98a
Patent Case #99
Patent Case #100
Patent Case #101
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
Patent Case #124
Patent Case #125
Patent Case #126
Patent Case #127
Patent Case #128
Patent Case #129
Patent Case #130

BOX 7-2-6

Blueprints for Patent Cases #131-165
Patent Case #131
Patent Case #132
Patent Case #133
Patent Case #133a
Patent Case #134
Patent Case #135
Patent Case #136
Patent Case #137
Patent Case #138
Patent Case #139
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
Patent Case #153
Patent Case #154
Patent Case #155
Patent Case #156
Patent Case #157
Patent Case #158
Patent Case #159
Patent Case #160
Patent Case #160a
Patent Case #161
Patent Case #162
Patent Case #163
Patent Case #164
Patent Case #165

BOX 7-2-7

Blueprints for Patent Cases #166-210
Patent Case #166
Patent Case #167
Patent Case #168
Patent Case #169
Patent Case #170
Patent Case #171
Patent Case #172
Patent Case #173
Patent Case #174
Patent Case #175
Patent Case #176
Patent Case #177
Patent Case #178
Patent Case #179
Patent Case #180
Patent Case #181
Patent Case #182
Patent Case #183
Patent Case #184
Patent Case #185
Patent Case #186
Patent Case #187
Patent Case #188
Patent Case #189
Patent Case #190
Patent Case #191
Patent Case #192
Patent Case #193
Patent Case #194
Patent Case #195
Patent Case #196
Patent Case #197
Patent Case #198
Patent Case #199
Patent Case #200
Patent Case #201
Patent Case #202
Patent Case #203
Patent Case #204
Patent Case #205
Patent Case #206
Patent Case #207
Patent Case #208
Patent Case #209
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
U.S. Patent #2,487,435
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. 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. 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
British Patent 133,096, February 29, 1918; French Patent 498,797, October
31, 1919
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 #2,016,912 - 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 - 2,770255, 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 - Duel-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.]


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, invitations, etc.; November 1958 – October 1961
Volume XIII, 1958 - 1959
Volume XIII, April 1959 - Dec.1959
Volume XIV, 1959 - 1960

BOX 10-2-7  Newsclippings: Volume XV, Volume XVII
Jan. 1962 – Mar. 1965
Volume XV, Jan. 1962 – Aug. 1962
Volume XVI, Nov 1963 – June 1964
Volume XVI, July 1964 – Dec. 1964
Newspaper, Roswell Daily Record Oct. 5, 1964

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 Brandenberg
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
Publications About Robert H. Goddard, 1939
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
Publications About Robert H. Goddard, 1961
Publications About Robert H. Goddard, 1962
Publications About Robert H. Goddard, 1963
Publications About Robert H. Goddard, 1964

BOX 10-2-9  Publications, Newspaper Clippings and Misc. brochures, invitations, etc.; 1965 - 1966

RHG Clippings 1965
Publications About Robert H. Goddard, 1965
RHG Clippings 1966, January - March
RHG Clippings 1966, April - December
Publications About Robert H. Goddard, 1966

BOX 10-2-10  Publications, Newspaper Clippings and Misc. brochures, invitations, etc.; 1967 - July, 1969

RHG Clippings 1967
Publications About Robert H. Goddard, 1967
RHG Clippings 1968
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, invitations, etc.; August, 1969 - 1973

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
Publications About Robert H. Goddard, 1973

BOX 10-2-12  Publications, Newspaper Clippings and Misc. brochures, invitations, etc.; 1974 - 1980

RHG Clippings 1974
RHG Clippings 1975
Publications About Robert H. Goddard, 1975
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

**BOX 10-2-13**  
**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

**BOX 10-2-14**  
**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

**SERIES 11**  
**LISTS**

**BOX 11-1**  
Important Affidavits by R.H. Goddard
Collection of Books and Articles
List of Correspondence to and from R.H. Goddard
1902 – 1945
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 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.
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 Rocket Development, 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 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., 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., 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

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
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
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**
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
NASA Goddard Space Flight Center

Box 1-1-10  
**Guggenheim, Harry F., August, 1945-1957**
Guggenheim, Harry F., Aug. 1945-Dec. 1947
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

Box 1-1-11  
**Guggenheim, Harry F., 1959-1962**
Guggenheim, Harry F., 1958
Guggenheim, Harry F., Jan.-June 1959
Guggenheim, Harry F., July-Dec. 1959
Guggenheim, Harry F., Jan.-June 1960
Guggenheim, Harry F., July-Dec. 1960
Guggenheim, Harry F., 1961
Box 1-1-12  **Guggenheim, Harry F., 1963-1976 (also Daniel and Florence)**
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
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

Box 1-1-16  Lehman, Milton, 1958-1965 - This High Man Manuscript
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

Box 1-1-18  Lists of Goddard Materials Used by Lehman for This High Man - McCarthy Donald F.
Lists of Goddard Materials Used by Milton Lehman for This High Man
Lists, Misc.- Invitations, RHG Books, Diary, Etc.
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, Aug. 1947- Nov. 1950
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
Memorial, RHG Achievement Award, Civil Air Patrol, National Headquarters, Ellington Air Force Base, Texas, correspondence and circular, March 1963
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

**Box 1-1-20**

**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,
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

Memorial: National Aerospace Education Council – Congressional Recognition
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, congressional recognition of Goddard Rocket and Space Museum, Roswell, NM, correspondence and circular, Nov. 1965-July 1970

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 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 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
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

Box 1-1-27  **The Papers of Robert H. Goddard (correspondence with McGraw, Hill & Pendray)**
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, Jan. 1968-July 1968
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)**
The Papers, Distribution Lists for Primary, March 1970, Secondary, July 1973 also July 1, 1975
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. 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,
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 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, 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

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, Mileiteva 100, Belacrkva, 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
Goddard, a pioneer of the space age”
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
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
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)

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 Genera 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 jewelery 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”
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)