Collection Summary

Title: G. E. Mueller Papers
Span Dates: 1876-1997
Bulk Dates: (bulk 1935-1995)
ID No.: MSS83747
Creator: Mueller, G. E. (George Edwin), 1918-
Extent: 116,400 items ; 327 containers plus 2 oversize and 1 classified ; 130.6 linear feet
Language: Collection material in English
Location: Manuscript Division, Library of Congress, Washington, D.C.
Summary: Engineer, administrator of the United States manned space flight program, and corporate executive. Correspondence, speeches, writings, subject files, printed matter, and other papers relating principally to Mueller's studies in electrical engineering at the University of Missouri--St. Louis and Purdue University and his career at Bell Telephone Laboratories, Ohio State University, Space Technology Laboratories, United States National Aeronautics and Space Administration, General Dynamics Corporation, System Development Corporation, Burroughs Corporation, George E. Mueller Corporation, and Kistler Aerospace Corporation.

Selected Search Terms

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

People
Atwood, John Leland, 1904- --Correspondence.
Azcárraga Arana, Alvaro, 1940- --Correspondence.
Blumenthal, W. Michael, 1926- --Correspondence.
Carter, Leonard J. (Leonard James)--Correspondence.
Chevalier, Roger, 1922- --Correspondence.
Contant, Jean-Michel--Correspondence.
Debus, Kurt--Correspondence.
Doolittle, James Harold, 1896-1993--Correspondence.
Doolittle, Josephine Daniels--Correspondence.
Dornan, Robert K., 1933- --Correspondence.
Draper, C. S. (Charles Stark)--Correspondence.
Durant, Frederick C., 1916--Correspondence.
Galloway, Eilene Marie Slack, 1906- --Correspondence.
Gelder, Hélène van--Correspondence.
Grey, Jerry--Correspondence.
Gwinn, William P., 1907-1981--Correspondence.
Harford, James J.--Correspondence.
Humphrey, Hubert H. (Hubert Horatio), 1911-1978--Correspondence.
Jager, C. de (Cornelis de), 1921- --Correspondence.
Loewy, Raymond, 1893-1986--Correspondence.
Loewy, Viola Erickson--Correspondence.
Miller, George P. (George Paul), 1891-1982--Correspondence.
Mueller, G. E. (George Edwin), 1918-
Napolitano, Luigi G.--Correspondence.
Paine, Thomas O., 1921-1992--Correspondence.
Schreiver, Bernard A. (Bernard Adolph), 1910- --Correspondence.
Sedov, L. I. (Leonid Ivanovich), 1907-1999--Correspondence.
Slotkin, Arthur--Correspondence.
Smith, Margaret Chase, 1897-1995--Correspondence.
Teague, Olin E., 1910- --Correspondence.
Von Braun, Wernher, 1912-1977--Correspondence.
Walker, Brooks, 1928- --Correspondence.
Webb, James E. (James Edwin), 1906- --Correspondence.
Welsh, Edward C. (Edward Cristy), 1909- --Correspondence.
Yarymovych, Michael Ihor, 1933- --Correspondence.

Organizations
American Institute of Aeronautics and Astronautics.
American Institute of Wine & Food.
Bell Telephone Laboratories.
Burroughs Corporation.
General Dynamics Corporation.
George C. Marshall Space Flight Center.
George E. Mueller Corporation.
International Academy of Astronautics.
International Astronautical Federation.
John F. Kennedy Space Center.
Kistler Aerospace Corporation.
Laguna Blanca School (Santa Barbara, Calif.)
Manned Spacecraft Center (U.S.)
Ocean Corporation.
Ohio State University--Faculty.
Original Computer Camp (Santa Barbara, Calif.)
Project Apollo (U.S.)
Project Gemini (U.S.)
Purdue University--Students.
Saturn Project (U.S.)
Skylab Program.
Smithsonian Associates.
Space Shuttle Program (U.S.)
Space Technology Laboratories, inc.
System Development Corporation.
Thompson Ramo Wooldridge, inc. Ramo-Wooldridge Division.
United States. National Aeronautics and Space Administration.
University of California, Santa Barbara.
University of Missouri--St. Louis--Students.

Subjects
Aerospace engineering.
Artificial satellites in telecommunication.
Artificial satellites--Tracking.
Atlas (Missile)
Ballistic missiles.
Computer camps.
Electrical engineering.
Jojoba.
Millimeter waves--Research.
Minuteman (Missile)
Oceanography.
Pioneer (Space probes)
Radar--Research.
Rocketry.
Sailing.
Scuba diving.
Skis and skiing.
Space flights.
Space probes.
Thor (Missile)
Titan (Missile)

**Places**
Outer space--Exploration.

**Occupations**
Engineers.
Executives.
Public officials.

**Administrative Information**

**Provenance**
The papers of G. E. Mueller, engineer, administrator of the United States manned space flight program, and corporate executive, were given to the Library of Congress by Mueller in 1996.

**Copyright Status**
Copyright in the unpublished writings of G. E. Mueller in these papers and in other collections in the custody of the Library of Congress has been retained by George E. Mueller.

**Access and Restrictions**
The papers of G. E. Mueller are open to research. Researchers are advised to contact the Manuscript Reading Room prior to visiting. Many collections are stored off-site and advance notice is needed to retrieve these items for research use.

**Security Classified Documents**
Government regulations control the use of classified material in this collection. Manuscript Division staff can furnish information concerning access to and use of classified material.

**Preferred Citation**
Researchers wishing to cite this collection should include the following information: Container number, G. E. Mueller Papers, Manuscript Division, Library of Congress, Washington, D.C.

**Biographical Note**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1918, July 16</td>
<td>Born, St. Louis, Mo.</td>
</tr>
<tr>
<td>1939</td>
<td>B.S., electrical engineering, Missouri School of Mines, Rolla, Mo.</td>
</tr>
<tr>
<td>1940</td>
<td>M.S., electrical engineering, Purdue University, Lafayette, Ind.</td>
</tr>
<tr>
<td>1940-1946</td>
<td>Member, technical staff, Bell Telephone Laboratories, New York, N.Y.</td>
</tr>
<tr>
<td>1941</td>
<td>Married Maude Elizabeth Rosenbaum (divorced 1974)</td>
</tr>
<tr>
<td>1946-1957</td>
<td>Assistant professor and professor of electrical engineering, Ohio State University, Columbus, Ohio</td>
</tr>
<tr>
<td>1951</td>
<td>Ph.D., physics, Ohio State University, Columbus, Ohio</td>
</tr>
</tbody>
</table>
Consultant, Ramo-Wooldridge Division, Thompson Ramo Wooldridge, Inc., Los Angeles, Calif.

Director of Electronics Laboratories, director of Able space program, vice president for space systems management, and vice president for research and development, Space Technology Laboratories, Redondo Beach, Calif.

Associate administrator for manned space flight, National Aeronautics and Space Administration, Washington, D.C.

Published with Eugene R. Spangler *Communication Satellites* (New York: John Wiley & Sons. 280 pp.)

Senior vice president, General Dynamics Corp., New York, N.Y.


Vice president, International Astronautical Federation

Chairman and president, System Development Corp., Santa Monica, Calif.

Director, Ocean Corp., Houston, Tex.

Chairman, twenty-seventh congress, International Astronautical Federation, Anaheim, Calif.

Trustee, Marine Science Institute, University of California, Santa Barbara, Calif.

Married Darla Jean Hix

National Transportation Award, Department of Transportation, Washington, D.C.

President, American Institute of Aeronautics and Astronautics

President, Jojoba Propagation Laboratories

Chairman and chief executive officer, System Development Corp., Santa Monica, Calif. Senior vice president, Burroughs Corp., Detroit, Mich.

Founder, American Institute of Wine & Food, San Francisco, Calif.

President, International Academy of Astronautics

Manager, Mueller Farms, Hyder, Ariz.

Director, Original Computer Camp, Santa Barbara, Calif.

Trustee, Laguna Blanca School, Santa Barbara, Calif.

President, George E. Mueller Corp., Santa Monica, Calif.

Trustee, University of California Foundation, Santa Barbara, Calif.
1987-1988  President, Next Peripherals, Inc.
1989-      Chairman, Desert King Jojoba Corp.
1990-      Trustee, National Board of the Smithsonian Associates, Smithsonian Institution, Washington, D.C.
1995-      President and chief executive officer, Kistler Aerospace Corp., Seattle, Wash.

Scope and Content Note

The papers of George Edwin Mueller (1918- ) span the years 1876-1997 with the bulk of the material produced during the period 1935-1995. The collection consists chiefly of correspondence, speeches, writings, and printed matter and is arranged in series that, for the most part, chronologically parallel Mueller's career: Family Papers, University of Missouri, Purdue University, Bell Telephone Laboratories, Ohio State University, Space Technology Laboratories, National Aeronautics and Space Administration, General Dynamics Corporation, System Development Corporation, International Academy of Astronautics, Consulting and Professional File, Oversize, and Classified.

The Family Papers, University of Missouri, and Purdue University series cover Mueller's early life in St. Louis, Missouri, and his advanced education in electrical engineering. Included in the Family Papers is considerable correspondence with immediate family members and other relatives and information about his Mueller and Bosch ancestors. A major portion of the series features material related to Mueller's parents, Edwin Mueller and Ella Bosch Mueller.

The Bell Telephone Laboratories series documents Mueller's pioneering work in millimeter wave research and his contributions to the development of radar technology with research in the measurement of radio energy from the sun, in microwave propagation, and in the design of low-field magnetrons. The series contains laboratory research notes, correspondence, and drafts of Mueller's writings on six millimeter waves and uni-velocity electron stream. Material in the series from Ohio State University, where Mueller taught from 1946 to 1957, focuses on his teaching responsibilities but also includes files pertaining to consulting work with the Ramo-Wooldridge Division of Thompson Ramo Wooldridge, Inc., various research projects, and drafts of writings on dielectric antennae and millimeter waves.

The Space Technology Laboratories series includes correspondence, speeches, and subject files documenting Mueller's research on communication satellites and his administration of the Atlas, Titan, Minuteman, and Thor ballistic missile programs. Reflected in the series as well are his direct involvement in the Pioneer I space probe, the development of space and interplanetary probes such as Explorer VI and Pioneer V, and the establishment of the United States Air Force SPAN Network, the first worldwide system for tracking satellites and deep space probes. Also in the series are copies of Mueller's journal, material on his book, Communication Satellites, coauthored with Eugene R. Spangler, and files relating to Mueller's evolving financial interests.

The National Aeronautics and Space Administration series traces Mueller's role as associate administrator for manned space flight from the beginning of Gemini Flight operations in 1963 through the second manned lunar landing in 1969. Especially voluminous are subject files depicting his role as administrator of the Gemini, Apollo/Saturn, Skylab, and Space Shuttle programs; his management of the George C. Marshall Space Flight Center, Manned Spacecraft Center, and John F. Kennedy Space Center; and his association with aviation and space organizations such as the American Association of Aeronautics and Astronautics and the International Astronautical Federation. Prominent correspondents include John Leland Atwood, president of the North American Aviation Corporation; Arthur Charles Clarke, president of the Ceylon Astronomical Association; Kurt H. Debus, director of the John F. Kennedy Space Center; William P. Gwinn, president of United Aircraft Corporation; Vice President Hubert H. Humphrey; Raymond Loewy, designer; Congressman George P. Miller; Bernard A. Schreiver, chairman of Schreiver & McKee Associates; Senator Margaret Chase Smith; Congressman Olin E. Teague of Texas; Wernher Von Braun, director of the George C. Marshall Space Flight Center; James E. Webb, administrator of NASA; and Edward C. Welsh, executive secretary of the National Aeronautics and Space Council.

Notable in Mueller's files from the General Dynamics Corporation, where he served for eighteen months as senior vice president between 1969 and 1971, are records pertaining to his founding of Sea-Space Symposium with Buzz Aldrin, John L. Galt, Leonard Jaffe, George E. Shipley, Bernard H. White, William M. Zarkowsky, and others having a mutual interest.
in scuba diving, oceanography, and space exploration. The System Development Corporation series, one of the most voluminous in the collection, features Mueller's role as chairman and president of the company from 1971 to 1985, and his part in guiding the sale of the company to the Burroughs Corporation in 1991. Among the frequent correspondents in this portion of the collection are W. Michael Blumenthal, chairman of Burroughs Corporation; Arthur Charles Clarke, chancellor of the University of Moratuwa, Colombo, Sri Lanka; Jean-Michel Contant, secretary general of Aerospatiale; aviation pioneer James Harold Doolittle and his wife Jo Doolittle; Congressman Robert K. Dornan of California; Raymond and Viola Loewy; Thomas O. Paine, president of Northrop Corporation; Congressman Olin E. Teague; Hélène van Gelder, secretary of the International Astronautical Federation; and Brooks Walker, president of U.S. Leasing International.

Also in the System Development Corporation series are speeches and writings, as well as extensive files documenting Mueller's administration of the company, continued affiliation with the National Aeronautics and Space Administration, his personal investments, and membership in professional organizations, especially the American Institute of Aeronautics and Astronautics and the International Astronautical Federation. Mueller was a founder of the American Institute of Wine & Food in 1982, and information on that venture can also be found in this series.

The International Academy of Astronautics series documents Mueller's presidency of that organization from 1982 to 1995. During his tenure as president, the academy established independence from its parent organization, the International Astronautical Federation, and Mueller continued his lifetime goal of fostering international cooperation in the exploration of the solar system. Correspondence and reports reflect the work of the academy's board of trustees and committees, its involvement with other national and international space organizations, and the founding of the International Space Exploration Institute, whose creation Mueller proposed. Also prominent are files from the academy's twenty-fifth anniversary history project in 1985. Principal correspondents include Alvaro Azcarraga, president of the International Astronautical Federation; Leonard J. Carter, president of the British Interplanetary Society; Roger Chevalier, vice president of Aerospatiale and president of the International Astronautical Federation; Jean-Michel Contant, secretary general of Aerospatiale and president of International Astronautical Federation; C. deJager, professor at the Astronomical Institute, Utrecht, the Netherlands, and president of the Committee on Space Research; Charles Stark Draper, founder of the Charles Stark Draper Laboratory; Frederick C. Durant, assistant director of the National Air and Space Museum; Eilene Marie Slack Galloway, consultant and president of the Theodore von Kármán Memorial Foundation; Jerry Grey, vice president of the American Institute of Aeronautics and Astronautics and president of the International Astronautical Federation; James J. Harford, executive director of the American Institute of Aeronautics and Astronautics; Luigi G. Napolitano, professor at the University of Naples; Leonid Ivanovich Sedov, head of the Soviet delegation to the International Astronautical Federation; Arthur L. Slotkin, of the International Academy of Astronautics; and Michael I. Yarymovych, vice president of Rockwell International.

The Consulting and Professional File focuses on Mueller's consulting work, financial investments, and professional memberships following his retirement from the Burroughs Corporation in 1983. Featured are various projects and activities related to the George E. Mueller Corporation, an aerospace consulting business he founded in 1984, as well as Mueller's interest in developing and selling jojoba oil from a plantation he purchased and operated in Arizona. Notable topics include Mueller's continuing association with aeronautic and space organizations, his work as president of Next Peripherals and chief executive officer of the Kistler Aerospace Corporation, and his ties to the Ocean Corporation, the University of California at Santa Barbara, the National Board of the Smithsonian Associates, and the Original Computer Camp and Laguna Blanca School, both of Santa Barbara, California. Among the personal activities sketched in the series are sailing, snow skiing, and scuba diving.

Organization of the Papers

The collection is arranged in thirteen series:

- Family Papers, 1876-1983
- University of Missouri, 1935-1939
- Purdue University, 1939-1940
- Bell Telephone Laboratories, 1888-1946
- Ohio State University, 1931-1958
- Space Technology Laboratories, 1957-1963
- National Aeronautics and Space Administration, 1960-1970
- General Dynamics Corporation, 1958-1971
- System Development Corporation, 1957-1984
- International Academy of Astronautics, 1962-1995
- Consulting and Professional File, 1952-1997
- Oversize, 1893-1993
## Description of Series

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<th>Container</th>
<th>Series</th>
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<td>BOX 1-16</td>
<td><strong>Family Papers, 1876-1983</strong></td>
</tr>
<tr>
<td>BOX 1-6</td>
<td><strong>Correspondence, 1936-1983</strong></td>
</tr>
<tr>
<td></td>
<td>Greeting cards, letters, telegrams, and attachments.</td>
</tr>
<tr>
<td></td>
<td>Arranged alphabetically by name of correspondent and therein chronologically.</td>
</tr>
<tr>
<td>BOX 6-16</td>
<td><strong>Subject File, 1876-1983</strong></td>
</tr>
<tr>
<td></td>
<td>Address lists, appointment books, awards, certificates, class notes, correspondence, diaries, directories, divorce records, financial records, invitations, magazine articles, newspaper clippings, obituaries, poetry, printed matter, reports, research notes, travel records, and other material.</td>
</tr>
<tr>
<td></td>
<td>Arranged alphabetically by topic or type of material and therein chronologically.</td>
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<tr>
<td>BOX 16-17</td>
<td><strong>University of Missouri, 1935-1939</strong></td>
</tr>
<tr>
<td></td>
<td>Address lists, awards, class notes, correspondence, drawings, grade reports, invitations, laboratory notes, photographs, programs, song sheets, stride and slope scales, tests, and other material.</td>
</tr>
<tr>
<td></td>
<td>Arranged alphabetically by topic or type of material and therein chronologically.</td>
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<tr>
<td>BOX 17-18</td>
<td><strong>Purdue University, 1939-1940</strong></td>
</tr>
<tr>
<td></td>
<td>Class schedules, correspondence, directories, grade reports, laboratory notebooks, photographs, programs, and other material.</td>
</tr>
<tr>
<td></td>
<td>Arranged alphabetically by topic or type of material and therein chronologically.</td>
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<tr>
<td>BOX 18-19</td>
<td><strong>Bell Telephone Laboratories, 1888-1946</strong></td>
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<tr>
<td></td>
<td>Address lists, bibliographies, correspondence, laboratory notes, lists, photographs, printed matter, reports, writings, and other material.</td>
</tr>
<tr>
<td></td>
<td>Arranged alphabetically by topic or type of material and therein chronologically.</td>
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<tr>
<td>BOX 19-26</td>
<td><strong>Ohio State University, 1931-1958</strong></td>
</tr>
<tr>
<td></td>
<td>Bibliographies, class notes, correspondence, directories, employment records, laboratory notes, magazine articles, membership records, newspaper articles, patent records, photographs, poetry, printed matter, programs, reports, speeches, writings, and other material.</td>
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<tr>
<td></td>
<td>Arranged alphabetically by topic or type of material and therein chronologically.</td>
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<tr>
<td>BOX 26-39</td>
<td><strong>Space Technology Laboratories, 1957-1963</strong></td>
</tr>
<tr>
<td>BOX 26-29</td>
<td><strong>Correspondence, 1957-1963</strong></td>
</tr>
<tr>
<td></td>
<td>Greeting cards, letters, memoranda, telegrams, and attachments.</td>
</tr>
<tr>
<td></td>
<td>Arranged alphabetically by name of correspondent and therein chronologically.</td>
</tr>
<tr>
<td>BOX 29</td>
<td><strong>Speeches, 1958-1963</strong></td>
</tr>
<tr>
<td></td>
<td>Abstracts, correspondence, reviews, texts of speeches, and related matter.</td>
</tr>
<tr>
<td></td>
<td>Arranged alphabetically by name of organization and therein chronologically.</td>
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</tbody>
</table>
Subject File, 1957-1963
Address lists, architectural drawings, awards, biographical material, correspondence, employment records, financial records, invitations, magazine articles, membership records, newspaper articles, organization charts, photographs, pocket diaries, printed matter, reports, invitations, travel records, writings, and other material. Arranged alphabetically by topic or type of material and therein chronologically.

National Aeronautics and Space Administration, 1960-1970

Correspondence, 1963-1969
Greeting cards, letters, memoranda, telegrams, and attachments. Arranged alphabetically by name of correspondent and therein chronologically.

Speeches, 1964-1969
Speeches, notes, transcripts, and appendices. Arranged chronologically by date of speech.

Subject File, 1960-1970
Address lists, appointment books, awards, bibliographies, biographical material, cartoons, correspondence, directories, employment records, financial records, invitations, magazine articles, manuals, membership records, newspaper articles, organization charts, philatelic material, photographs, press releases, printed matter, reports, telephone logs, transcripts, travel records, writings, and other material. Arranged alphabetically by topic or type of material and therein chronologically.

Writings, 1963-1969
Announcements, correspondence, journal and magazine articles, publication drafts, and reviews. Arranged alphabetically by title and therein chronologically.

General Dynamics Corporation, 1958-1971

Correspondence, 1969-1971
Greeting cards, letters, memoranda, telegrams, and attachments. Arranged chronologically.

Speeches, 1970-1971
Brochures, correspondence, journal and magazine articles, outlines, press releases, programs, and speeches. Arranged alphabetically by name of organization and therein chronologically.

Subject File, 1958-1971
Appointment books, biographical material, correspondence, employment records, magazine articles, mail logs, membership records, newspaper articles, organization charts, photographs, press releases, social invitations, telephone logs, travel records, writings, and other material. Arranged alphabetically by topic or type or record and therein chronologically.

System Development Corporation, 1957-1984
BOX 124-131 **Correspondence, 1971-1983**  
Greeting cards, letters, memoranda, telegrams, and attachments.  
Arranged alphabetically by name of correspondent and therein chronologically.

BOX 131-136 **Speeches, 1971-1983**  
Correspondence, journal articles, newspaper clippings, notes, outlines, pamphlets, photographs, programs, speech lists, and speeches.  
Arranged alphabetically by name of organization and therein chronologically.

BOX 136-241 **Subject File, 1957-1984**  
Appointment books, awards, biographical material, correspondence, directories, financial records, magazine articles, mail logs, manuals, membership records, newspaper articles, organization charts, philatelic material, photographs, printed matter, reports, social invitations, song sheets, telephone logs, travel records, writings, and other material.  
Arranged alphabetically by topic or type of material and therein chronologically.

BOX 241-242 **Writings, 1972-1983**  
Correspondence, drafts, editorials, galleys, and journal and magazine articles.  
Arranged alphabetically by title and therein chronologically.

BOX 242-269 **International Academy of Astronautics, 1962-1995**

BOX 242-252 **Correspondence, 1982-1995**  
Greeting cards, letters, memoranda, telegrams, and attachments.  
Arranged chronologically.

BOX 252-269 **Subject File, 1962-1995**  
Annual reports, awards, bylaws, correspondence, financial records, magazine articles, mail logs, newspaper clippings, philatelic material, photographs, press releases, printed matter, reports, speeches, telephone logs, writings, and other material.  
Arranged alphabetically by topic or type of material and therein chronologically.

BOX 269-327 **Consulting and Professional File, 1952-1997**

BOX 269 **Correspondence, 1984-1994**  
Greeting cards, letters, memoranda, and attachments.  
Arranged chronologically.

BOX 269 **Speeches, 1984-1994**  
Speeches.  
Arranged chronologically.

BOX 269-327 **Subject File, 1952-1997**  
Appointment books, correspondence, financial records, magazine articles, manuals, membership records, newspaper clippings, organization charts, philatelic material, photographs, printed matter, reports, travel records, writings, and other material.  
Arranged alphabetically by topic or type of material and therein chronologically.
BOX OV 1-OV 2  **Oversize, 1893-1993**  
Brochures, building plans, correspondence, maps, marriage certificate, newspaper articles, organization charts, photographs, posters, presentation charts, and schematic drawings. 
Arranged according to the series, containers, and folders from which the items were removed.

BOX CL 1  **Classified, 1942-1979**  
Blueprint, correspondence, graphs, memoranda, notes, reports, telegrams, and writings. 
Arranged according to the series, containers, and folders from which the items were removed.
## Container List

<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOX 1-16</td>
<td><strong>Family Papers, 1876-1983</strong></td>
</tr>
</tbody>
</table>
| BOX 1-6   | **Correspondence, 1936-1983**
  | Greeting cards, letters, telegrams, and attachments.
  | Arranged alphabetically by name of correspondent and therein chronologically. |
| BOX 1     | "A" miscellaneous, 1966-1973, undated
  | Bosch, Florence and Laura (cousins), 1974-1977, undated
  | Butler, Sue, 1971-1976, undated
  | "B" miscellaneous, 1960-1976, undated
  | Davis, Lynn and Lynn, 1965-1976, undated
  | Diem, Wesley F., 1937-1940, undated
    | (3 folders)
  | "D" miscellaneous, 1944, 1954-1976, undated
  | "E-G" miscellaneous, 1940-1941, 1954-1976, undated
  | Hancock, Ken, 1936-1940
  | Hart, Gary and Daphne, 1973-1977, undated
    | See also Container 3, Mueller, Karen Ann
    | (3 folders)
| BOX 2     | "H" miscellaneous, 1941, 1960-1976, undated
  | Jackson, Gail Patrick, 1971-1973, undated
    | See also Container 6, Velde, John Ernst ("Bud") and Gail Patrick
  | "J" miscellaneous, 1940, 1966-1972
  | Keil, Edward L. and Dorothy (cousin), 1966-1977, undated
  | Klocker, Norman F. and Helen, 1936-1941, undated
  | "K" miscellaneous, 1967-1974, undated
  | Loewy, Raymond, 1973-1975
  | "L" miscellaneous, 1961-1975, undated
  | Maule, Arthur and Laura (uncle and aunt), undated
  | Miller, Maureen, 1971-1975
    | (8 folders)
  | See also Container 5, Porter, James Martin and Jean Elizabeth
    | (3 folders)
  | Mueller, Joan (niece), 1972-1976, 1982, undated
  | Mueller, John David ("Jack") and Carolyn (brother and sister-in-law), 1937-1942, undated
    | See also Container 1, Hyvonen
    | Randall Linley and Karen Ann
    | (2 folders)
  | Mueller, Lisa (niece), 1972, undated
Mueller, Maude Elizabeth (wife)
   Sept. 1939-Apr. 1940  See also Oversize
   (7 folders)

BOX 4
May 1940-Apr. 1982
   (8 folders)
   Undated
   (4 folders)

BOX 5
Mueller, Virginia Ann ("Ginny") (niece), 1975-1977, undated
"N-O" miscellaneous, 1967-1976, undated
Porter, Daniel (grandson), 1983, undated
Porter, James Martin and Jean Elizabeth (son-in-law and daughter), 1971-1977, undated  See also Container 3, Mueller, Jean Elizabeth
   (3 folders)
Porter, Titania (granddaughter), 1983
Rosenbaum, Maude Elizabeth  See Containers 3-5, Mueller, Maude Elizabeth
Rosenbaum, William C. and Mildred V. (parents-in-law), 1940-1971
"R" miscellaneous, 1959-1976, undated
Schlingmann, Melanie, 1937
"S" miscellaneous, 1937, 1974-1976, undated
"T-U" miscellaneous, 1940-1942, 1964-1977, undated

BOX 6
Velde, John Ernst ("Bud") and Gail Patrick, 1974-1976, undated  See also Container 2, Jackson, Gail Patrick
"V" miscellaneous, 1974
Unidentified, 1937-1942, 1954-1977, undated
   (4 folders)

BOX 6-16  Subject File, 1876-1983
Address lists, appointment books, awards, certificates, class notes, correspondence, diaries,
directories, divorce records, financial records, invitations, magazine articles, newspaper
clippings, obituaries, poetry, printed matter, reports, research notes, travel records, and
other material.
Arranged alphabetically by topic or type of material and therein chronologically.

BOX 6
Address lists, 1964-1967, undated
   (7 folders)
Agricultural Extension Service correspondence courses
   Soil fertility, 1950-1951, undated
   (2 folders)
   Poultry production, 1951-1952, undated
   (2 folders)

BOX 7
American Automobile Association, 1968-1969
Appointment books, 1950-1970
   (9 folders)
<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
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</table>
| BOX 8     | Financial records, 1928-1976, undated  
(10 folders)  
Household records, 1941, 1955-1956, 1965, undated  
John Robert Powers School, New York, N.Y., undated  
Marriage, 1941, undated |
| BOX 9     | Miller Construction Co., Worthington, Ohio, 1950-1956  
(2 folders)  
Motor vehicle operator's permit, 1937  
Mueller, Edwin and Ella (parents)  
  Appointment books, 1915, 1928, 1937-1951  
  (5 folders)  
  Art Treasures from Vienna exhibition, 1950  
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Benton School, St. Louis, Mo., 1926, 1935, 1951, undated  
Birth records, 1952, undated  
Blind Girls Home, St. Louis, Mo., circa 1956 |
| BOX 10    | Bosch, Theodore and Elizabeth (grandparents), 1935, undated  
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Cheer Club, St. Louis, Mo., undated  
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Condensed Souvenir History of New Orleans for the Tourist, undated  
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Davis, Lynn, 1966  
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"D" miscellaneous, 1973-1974  
"H" miscellaneous, 1914, 1965, undated  
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|           | Mueller, G. E. and Maude Elizabeth (wife), 1943-1971, undated  
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|           | Mueller, Jean Elizabeth (daughter)  
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|           | Mueller, Karen Ann (daughter), 1948-1966, undated  
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|           | Mueller, Maude Elizabeth (wife), 1941-1972, undated  
|           | "M" miscellaneous, 1943, 1965-1972, undated  
|           | Van Kerckvorrde, Octave, 1922  
|           | Veiled Prophet, 1939  
|           | "W-Y" miscellaneous, 1951-1958 |
|           | Unidentified, 1963-1973, undated |
|           | Ehret, Mary, 1876 (great-great-grandmother?)  
|           | Fiftieth wedding anniversary, undated |
|           | Financial records, 1918-1958  
|           |         | 2 folders |
|           | Gems of American Architecture, 1935 |
|           | Highland, Ill., centennial, 1937 |
|           | Hillary, Ethel Dean, 1960-1964, undated |
|           | Insurance, 1891, 1929-1946, 1966-1974, undated |
|           | Lions Council of Greater St. Louis, St. Louis, Mo., undated |
| BOX 13    | National Electrical Contractors Association, 1946, 1961 See also Oversize  
|           |         | 2 folders |
|           | National Medal of Science, 1971 See also Container 113, Awards |
|           | Obituaries, 1922, 1936, 1943-1944, 1953-1974, undated |
|           | Order of the Eastern Star, Polar Star chapter, St. Louis, Mo., 1932 |
|           | Owens, Linda Ann, 1943, undated |
|           | Philharmonic Orchestra, Belleville, Ill., circa 1967 |
|           | Ration coupons, 1921, 1943-circa 1946, undated |
|           | Residences  
|           | 6 Villawood Lane, Webster Groves, Mo., 1941-1968, n.d See also Oversize  
|           |         | 2 folders |
|           | 2933 Moniteau Drive, St. Louis, Mo., 1916-1939, undated See also Oversize  
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|           | 4359 Taft Ave., St. Louis, Mo., 1968-1970, undated |
|           | 4559 Morganford, St. Louis, Mo., 1969-1971 |
|           | 5347 St. Louis Ave., St. Louis, Mo., 1916-1918 |
|           | St. Louis, Mo., bicentennial, 1964, undated See also Oversize |
|           | St. Louis Bicentennial Space Symposium, St. Louis, Mo., 1964-1965, undated |
|           | St. Louis National Baseball Club, Inc., St. Louis, Mo., 1930 |

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Mueller, Ferdinand A. (uncle), 1961
Mueller Farms, Hyder, Ariz., 1983
Mueller, George and Elizabeth (great-grandparents), 1876-1898
Mueller, George and Margaretha (grandparents), 1892-1939, undated _See also Oversize_
(2 folders)
Mueller, Jean Elizabeth (daughter), 1946-1964, undated
Mueller, John David ("Jack") (brother), 1941-1949, undated
Mueller, Karen Ann (daughter)
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BOX 15
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Mueller, Martha (aunt), 1963
Normandy High School, St. Louis, Mo., 1933-1940, undated _See also Oversize_
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Prepaid sales tax receipts, undated
"Radio Bugs," undated
Reading list, undated
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258 East Dominion, Columbus, Ohio, 1958, undated
1250 Villa Woods Dr., Pacific Palisades, Calif., 1960-1964
2440 Delbert Rd., Columbus, Ohio, 1946-1947, undated _See also Oversize_
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3690 West Granville Rd., Worthington, Ohio, 1943-1970, undated _See also Oversize_
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<td>Class schedules, 1935-1938, undated</td>
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<td>Columbia, Mo., cyclotron, undated</td>
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<td>American Institute of Electrical Engineers, 1938</td>
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<td>Columbia, Mo., cyclotron, undated</td>
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<td>Kansas City, Mo., Philharmonic Orchestra, 1936</td>
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<td>Song sheet, undated</td>
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<td>Stride and slope scales, undated</td>
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<td>Yearbooks, 1936-1937</td>
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<td>BOX 17</td>
<td>Purdue University, 1939-1940</td>
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<td>Class schedules, correspondence, directories, grade reports, laboratory notebooks, photographs, programs, and other material.</td>
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<td>Arranged alphabetically by topic or type of material and therein chronologically.</td>
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| BOX 18    | **Bell Telephone Laboratories, 1888-1946**  
Address lists, bibliographies, correspondence, laboratory notes, lists, photographs, printed matter, reports, writings, and other material.  
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Bibliographies  
"A Bibliography on Metallic Rectifiers of the American Institute of Electrical Engineers," 1946  
Ultra short wave progress, 1915, 1925-1937, undated  
Caruthers, R. S., "Copper Oxide Modulators in Carrier Telephone Systems," 1939  
Correspondence, 1940  
Esso Research Center, Linden, N.J., undated  
Gray, Frank, "A Survey of Variable Conductors," 1944  
(3 folders)  
Intermediate frequency transformers, 1941 **See also Classified**  
K/z and Z magnetrons, 1940-1946, undated  
Laboratory notes  
circa 1942-1946  
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Murray Hill facility, New Providence, N.J., undated  
Ohio State University, Columbus, Ohio, 1945-1946  
Photographs, 1940, undated  
Postgraduate study plan, 1945, undated  
Riverside Church, New York, N.Y., 1931, 1941-1943, undated  
Rust, Arthur, *Electricity: Theoretically and Practically Considered by the Aid of Thermoelectricity*, 1888  
Thermistors (thermally sensitive resistors), 1941, undated  
University of Missouri, Rolla, Mo., 1945  
Wave filters, high pass and low pass, 1943-1944, undated  
(2 folders)  
Weather measuring devices, 1945  
Writings  
"Propagation of Six Millimeter Waves," 1944-1946, undated **See also Classified**  
(3 folders) |
"Uni-Velocity Electron Stream," 1940, undated

**Ohio State University, 1931-1958**

Bibliographies, class notes, correspondence, directories, employment records, laboratory notes, magazine articles, membership records, newspaper articles, patent records, photographs, poetry, printed matter, programs, reports, speeches, writings, and other material. Arranged alphabetically by topic or type of material and therein chronologically.

Able 3 satellite, undated

Advanced guidance program, 1957 *See also Classified*

"Advanced Network Theory," undated

**BOX 20**

Advisory group on electron tubes, 1958

Alexander, T. E., 1956

Audio equipment, 1939-1952 *See also Oversize*


*Bell Laboratories Record*, 1949

Bibliographies, circa 1955

Brooks, Jack E., 1956

Business cards, undated

Carter, Clarence J., "Limitations on the Maximum Frequency of the Retarding-Field Oscillator," 1953

(2 folders)

Class and laboratory notes

Corn culture, course IV lessons, 1951-1952

(2 folders)

Electrical engineering courses

603, 1946

634, 1949-1957, undated *See also Container 26, "Introduction to Non-Linear Circuits"

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665, 1949-1953, undated

707, 1952-1956, undated

(1 folder)

(1 folder)

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Math course 721, undated

Ph.D. general examination, 1946-1950, undated

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Physics courses

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|           | Problems, undated  
|           | 742, 1948  
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|           | 840, 1947, undated  
|           | Unidentified, 1945-1946, undated  
|           | (5 folders)  
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|           | Committees, 1956-1957  
|           | Electrical Engineering Building dedication, 1952  
|           | Ten-year plan, circa 1954  
|           | Columbus Digest, 1797-1947, 1947  
|           | Commencement, 1951  
|           | Communication satellites, undated See also Classified  
|           | Correspondence, 1946-1958, undated  
|           | (3 folders)  
|           | Cosgriff, Robert L., untitled study of nonlinear servo mechanisms, 1953  
|           | (2 folders)  
|           | Crystal rectifiers See Container 25, Varistors  
|           | Dielectric antennas, 1951-1956  
|           | Dielectrics, 1956  
|           | Directories, 1955-1958, undated  
|           | Doppler radar, 1956-1957, undated See also Oversize  
|           | Dovap system, 1956-1957, undated See also Classified  
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|           | Dowell, K. P., "Thermistors as Components; Open Product Design Horizons," circa 1948  
|           | Electron tube research conference, Berkeley, Calif., 1957, undated  
| BOX 24    | Employment records, 1942-1957, undated  
|           | "An Engineer's Lament," undated  
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|           | Frequency modulation (FM) television, 1944, undated  
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|           | General, 1955, undated  
|           | Noise diodes, 1952-1954, undated  
|           | (2 folders)  
|           | Plots, 1957  
|           | IBM 705 electronic data processing machine, undated  

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Improved tracker, 1956, undated See also Classified
Laboratory equipment, undated
Magnetic amplifiers, 1952, undated
Magnetron test data, 1945-1955, undated
Miscellany, 1955
Mitten, Loring Goodwin, "A New Algorithm for a Restricted Class of Linear Programming Problems," undated
Mod III program review, 1957, undated
(2 folders)
Mushiake, Yashuto, "A Theoretical Analysis of the Multi-Element End-Fire Array with Particular Reference to the Yagi-Uda Antenna," undated
New York Academy of Sciences, New York, N.Y., 1956-1957
Newspaper and magazine articles, 1954
Noise and electron, undated
Noise measurement, 1939-1945, undated See also Classified
Nonlinear circuits, 1948
Ohio State University Association, Columbus, Ohio, 1952
Patent applications, 1948-1950
Q-standard, 1954
Radiation, Inc., Melbourne, Fla., undated
Radio eye, undated
Range instrumentation, 1956
Roger White Electronic Devices, Inc., Haskel, N.J., undated
"Sage of the Meramac; A Drama of Conservation," 1953
Schneider, Herb, undated
Semiconductors, undated
Sigma Pi Sigma, undated
Sigma Xi, 1948
Sturley, Kenneth Reginald, "Coupled Circuit Filters; Generalised Selectivity, Phase Shift, and Trough and Peak Transfer Impedance Curves," 1943
Thermistors (thermally sensitive resistors), 1947
Varistors, 1945-1947, undated
Wheeler, Harold A.
"Formulas for Electron Tubes," 1950
"The Radian Sphere around a Small Antenna," 1956
"Simple Theory of Backward-Wave Oscillator," 1956
Wolking, Donald H., "Design Parameters for Magnetrons Operating in the Low Field Mode," 1952
Writings
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| BOX 26 | "A Broadside Dielectric Antenna," 1952  
"Dielectric Antennas"  
Abstract, 1957  
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Final, 1951  
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"The Gammicon," 1955  
"Introduction to Non-Linear Circuits," 1952 See also Containers 20-21, Electrical engineering course 634  
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"Low Field Magnetrons at Millimeter Waves," 1957-1958, undated  
"Non-Linear Circuits," undated |
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| BOX 29 | **Speeches, 1958-1963**  
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| BOX 29 | American Astronautical Society, Palo Alto, Calif., 1959  
American Rocket Society  
Los Angeles, Calif., 1961  
New York, N.Y., 1958  
Syracuse, N.Y., 1959  
Washington, D.C., 1960  
Subject File, 1957-1963

Address lists, architectural drawings, awards, biographical material, correspondence, employment records, financial records, invitations, magazine articles, membership records, newspaper articles, organization charts, photographs, pocket diaries, printed matter, reports, invitations, travel records, writings, and other material.

Arranged alphabetically by topic or type of material and therein chronologically.

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Advanced Orbiting Solar Observatory (S-67), 1962
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Advanced projects briefing, 1963
Aerospace Industries Association of America, 1963
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American Bosch Arma Corp., 1963, undated
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Apollo direct flight study, 1962
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Capital for Technical Industries, Inc., Santa Monica, Calif., 1963
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Convair Division, San Diego, Calif. See Container 34, General Dynamics Corp.
Cost-Quality Calculator, 1962
Currency, Vietnam, undated
Curtis, Tom, 1959
Cypress Park Properties, Fullerton, Calif., 1960-1962, undated
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<td>Executive Car Leasing Co., Los Angeles, Calif., circa 1959</td>
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<td>Explorer and Pioneer satellites, 1958-1960, undated (4 folders)</td>
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<td>Financial records, 1960-1962</td>
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<td>General Dynamics Corp., Convair Division, San Diego, Calif., 1959</td>
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<td>Goddard Memorial Dinner, Washington, D.C., 1963</td>
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<td>Guidance system control mock-up, 1958</td>
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<td>Harker &amp; Co., 1962, undated</td>
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<td>Houston, William Vermillion, &quot;Waves and Particles,&quot; 1960</td>
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<td>Huntington Beach, Calif., 1961-1963, undated</td>
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<td>Industrial Research Institute, New York, N.Y., 1961, undated</td>
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<td>Lunar logistics system, 1962 (2 folders)</td>
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<td>Marlo Towers, New York, N.Y. See Oversize</td>
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<td>Martin Co., Denver, Colo., 1960</td>
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<td>Meeting notes and transcriptions, 1963, undated</td>
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<td>National Aeronautics and Space Administration, Washington, D.C., 1962-1963, undated</td>
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<td>National Telemetering Conference, Denver, Colo., 1959</td>
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<td>Newspaper and magazine articles, 1958-1963</td>
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<td>Ohio State University, Columbus, Ohio, 1959-1963</td>
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<td>One Relief Fund, Los Angeles, Calif., circa 1958</td>
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<td>Organization and management General, 1963, undated (2 folders)</td>
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- Pioneer satellite *See Container 32, Explorer and Pioneer satellites*
- Poussin, Nicholas, 1958
- Poynting-Robertson Effect, 1963
- President's Club, Washington, D.C. *See Container 32, Democratic National Committee*
- "A Program to Reverse the Space Gap," 1962
- Purdue University, Lafayette, Ind., circa 1960
- Rantec Corp., Calabasas, Calif., 1963
- Rubidium frequency standard, undated
- Ryan Aeronautical Co., San Diego, Calif., 1963

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- Signature authorizations, 1959
- Space and Missile Planning Committee, 1962
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- Space Research and Manufacturing Corp. proposal, 1961, undated
- STL Employees Association, 1958
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  Arranged alphabetically by title and therein chronologically.

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- "Contemporary Problems in Space Communication," 1960, undated
- "The Electronics of the Orbiting Geophysical Observatory," 1963
- "From Pioneer V to Interstellar Communications," 1960
- "An Interplanetary Communication System," 1959
- "Pioneer V and Explorer VI, Systems Engineered Space Probes," 1960
- "Practical Aspects of Data Processing and Encoding for Space Communications," 1963, undated
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"Satellites for Area Communication," 1962
"The Space Competition," 1961
"Space Investigation: Past, Present, and Future," 1959

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Aspinal, Owen S., 1967-1969
Atwood, John Leland, 1965-1969
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BOX 40
"B" miscellaneous, 1963-1969, undated
(3 folders)
Clarke, Arthur Charles, 1964-1969
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Debus, Kurt H., 1965-1969
"Da-Di" miscellaneous, 1963-1969, undated

BOX 41
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"E-F" miscellaneous, 1963-1969, undated
(2 folders)
Gwinn, William P., 1965-1969
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(2 folders)
Humphrey, Hubert H., 1965-1968
"H" miscellaneous, 1963-1969, undated
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(2 folders)

BOX 42
Kelley, Ernestine, 1964-1967, undated
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"L" miscellaneous, 1963-1969, undated
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Maxfield, James R., Jr., 1966-1969, undated
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(3 folders)

BOX 43
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(4 folders)
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"R" miscellaneous, 1963-1969, undated
(3 folders)
Schreiver, Bernard A., 1965-1969
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"S" miscellaneous, 1963-1969, undated See also Oversize
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BOX 44
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Tronvig, Donald H., 1964-1969, undated
"U" miscellaneous, 1963-1969, undated
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"V" miscellaneous, 1963-1969, undated
Welsh, Edward C., 1963-1969
"W" miscellaneous, 1963-1969, undated
(2 folders)
Unidentified, 1963-1969, undated

BOX 44-47 Speeches, 1964-1969
Speeches, notes, transcripts, and appendices.
Arranged chronologically by date of speech.

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(2 folders)

BOX 45
Apr. 1964-Sept. 1965
(11 folders)

BOX 46
Jan. 1966-Nov. 1968
(11 folders)

BOX 47
Jan.-Nov. 1969, undated
(7 folders)

BOX 47-110 Subject File, 1960-1970
Address lists, appointment books, awards, bibliographies, biographical material, cartoons,
correspondence, diaries, directories, employment records, financial records, invitations,
magazine articles, manuals, membership records, newspaper articles, organization charts,
philatelic material, photographs, press releases, printed matter, reports, telephone logs,
transcripts, travel records, writings, and other material.
Arranged alphabetically by topic or type of material and therein chronologically.

BOX 47
Achievement Rewards for College Scientists, 1966-1969
Action items
(5 folders)

BOX 48
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(6 folders)
Address lists, 1969, undated
Advanced Space Technology Working Group, 1968
Aero Club of Washington, Washington, D.C., 1963
Agtec Corp., Los Angeles, Calif., 1963-1966, undated
Alvarez, L. W., et al., "Cosmic Ray Studies with a Superconducting Magnet in a Space
Station Facility," 1969

BOX 49
American Institute of Aeronautics and Astronautics,
1963-1969, undated
(6 folders)
American Ordnance Association, 1964-1965
American Physical Society, 1966-1967
Anniversaries of National Aeronautics and Space Administration, 1963-1967
Antarctica trip, 1967-1969
Apollo Applications Program
June 1967-June 1969
(4 folders)

BOX 50
Dec. 1969, undated
(3 folders)
Apollo earth orbital timeline, 1967
Apollo Executives' Committee, 1965
Apollo lunar surface experiment package, 1968
Apollo Program
All-up concept, 1969
Apollo 4
July-Nov. 1967
(10 folders)

BOX 51
1967, undated
Apollo 5, 1968
Apollo 6, 1968-1969
(7 folders)
Apollo 7
28 May 1966-26 Sept. 1968
(5 folders)

BOX 52
27 Sept.-28 Oct. 1968
(12 folders)

BOX 53
(4 folders)
Apollo 8
8 Aug.-18 Dec. 1968 See also Oversize
(11 folders)
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<td>June 1969, undated (3 folders) Apollo 11 1 Apr. 1968-13 July 1969 (10 folders)</td>
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<td>14-31 July 1969 (14 folders)</td>
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<td>BOX 58</td>
<td>1 Aug.-7 Oct. 1969 (9 folders)</td>
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<td>BOX 60</td>
<td>Apollo 204 (deaths of Gus Grissom, Ed White, and Roger Chaffee) 5 Oct. 1966-27 Mar. 1967 See also Oversize (7 folders) 5 Apr. 1967 (6 folders)</td>
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<td>BOX 61</td>
<td>(11 folders) 7 Apr.-26 May 1967 (5 folders)</td>
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<td>BOX 63</td>
<td>31 May 1967-30 Jan. 1968, undated (16 folders)</td>
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### Container 47: Achievements

- **Apollo telescope mount**, 1967-1968
- **Applications experiments**, 1967
- **ARCS, Inc.** *See Container 47, Achievement Rewards for College Scientists*
- **Arthur D. Little, Inc., Washington, D.C., 1965**
- **Astros, Mol, 1969**

**BOX 66**

- **Augenstein, B. W., "Policy Analysis in the National Space Program," 1969**
- **Avien, Inc., Woodside, N.Y., 1964**
  - (3 folders)
- **Awards**
  - **Distinguished Service awards, 1966-1969**
  - **Other, 1964-1969, undated**
  - **Veterans of Foreign Wars of the United States, 1968**
- **Beacon Explorer, 1964**
- **Bell Telephone Laboratories, New York, N.Y., undated**
- **Benefits of space, 1969 *See also Container 100, Technology Utilization Program***
- **Big Dumb Booster, 1968**
- **Biographical material, 1963-1969, undated**
  - (2 folders)
- **Block II, 1964-1965, undated**
- **British Interplanetary Society, 1969**
- **Budget, 1963-1969, undated**
- **Business cards, undated**
- **Business Council, Washington, D.C., 1965**

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- **California Institute of Technology, Pasadena, Calif., 1966**
- **Carnegie Institute of Technology, Pittsburgh, Pa., 1966**
- **Celestial Gardens Development Co., Cape Canaveral, Fla., 1965**
- **Coffin, Laurence E., 1967-1968, undated**
- **Command and service module, undated**
  - **Computer Program Abstracts, 1969**
- **Contracting**
  - **May 1961-May 1965**
    - (8 folders)
    - (8 folders)
  - "**Control, Guidance, and Navigation for Advanced Manned Missions," 1968**
    - **Vols. I-II**
      - (2 folders)
  - **Vol. III**
- **Corben, Herbert Charles, "If Microns Were Fermis," "The Spinning Top," and "Relativistic Quantum Numbers of Rotational Levels," 1964-1965**
- **Cortright, Edgar M., 1968**
- **Cypress Center, Inc., Fullerton, Calif., 1964-1970**
- **Cypress Park Properties, Fullerton, Calif., 1963-1967, undated**
  - (2 folders)
Datagraphics, Inc., undated
Defense Systems Corp. proposal, 1969, undated See also Container 30, Aerospace Technologies Corp. proposal
(4 folders)
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Diaries
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      Directories, 1967-1969, undated
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      Dun & Bradstreet, New York, N.Y.
         8 Feb.-5 Apr. 1968
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      Eagleton, Barbara, 1969
      Earth orbital missions program, undated
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      Electrogasdynamics, 1967
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   BOX 73
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      Eurospace U.S.-European Conference, Philadelphia, Pa., 1965
      Explorer XVIII satellite, 1964
      Extended lunar orbital rendezvous mission, 1969
         (3 folders)
      Film, Why Manned Spaceflight? 1968
      Flight summary report, 1968
      Focus: From Outer Space on Outer Space, undated
      Fund Placement, Inc., Beverly Hills, Calif., 1969
      Future planning
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   BOX 75
      Sept. 1969, undated
         (8 folders)
      Gamarra, Nancy T., "Erroneous Predictions and Negative Comments Concerning Exploration, Territorial Expansion, Scientific and Technological Development; Selected Statements," 1969

Gemini Project See Containers 89-90, Project Gemini

General Electric time-sharing service
  Aug.-Nov. 1969
  (5 folders)

BOX 76
  circa 1969, undated
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Guidance and navigation software, 1964-1968

Gulfstream drift mission, 1969

Holman, Mary A., 1968-1969, undated

Hyvonen, Karen Ann (daughter) See Container 80, Mueller, Karen Ann

Institute of Electrical and Electronics Engineers,
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Institute of Radio Engineers, 1963, undated

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International Air Transport Association, 1969-1970, undated

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John F. Kennedy Space Center, Cape Kennedy, Fla.,
  1965-1968, undated
  (3 folders)

Johnson, Lyndon B., 1965-1968, undated

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Kratage, Marian, "Space and the Spirit of Man," 1969

Langley Research Center, Hampton, Va., circa 1967

Launch Vehicle Working Group, 1968
  (3 folders)

Libby, Willard F., "Ice Caps on Venus?" 1967


Lunar exploration, 1968

Lunar Exploration Working Group, 1968

Lunar hand tools, 1967

Lunar landings
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           | (2 folders)  
           | Lunar orbiter, 1966-1967  
           | Lunar soil and rocks, 1969  
           | Lunar surface television system, 1968  
           | Lunar wall mosaic, undated  
           | *Manned Space Flight 1966, 1966*  
           | Manned Space Flight Advanced Computer Technology Symposium, Cape Kennedy, Fla., undated  
           | Manned Space Flight Awareness Seminar, Houston, Tex., 1969  
           | Manned Space Flight Management Council, 1965-1969, undated  
           | *Manned Space Flight Schedules, 1969*  
           | Vol. I, *Schedules and Resources Summary*  
           | Vol. II, *Spacecraft*  
           | Vol. III, *Saturn Vehicles*  
           | Vol. IV, *Apollo Applications*  
           | Vol. VII, *Construction of Facilities*  
           | Vol. VIII, *Space Vehicles*  

| BOX 79    | Manned Spacecraft Center, Houston, Tex., 1963  
           | (5 folders)  
           | Mariner Project *See Container 90, Project Mariner*  
           | Mars and Venus manned encounter missions, 1968  
           | Marshall Space Flight Center *See Container 76, George C. Marshall Space Flight Center*  
           | Meeting notes and transcriptions  
           | Bubb, Mary, 1969  
           | Dryden, Hugh L., 1965  
           | McNamara, Robert S., 1964  
           | Miscellany, 1963-1969, undated  
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           | Paine, Thomas O., 1968-1969  

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           | Meteoroid protection, 1967  
           | Miller, Charles L., 1969  
           | Miscellany, 1965-1969, undated  
           | Mississippi Test Facility, Bay St. Louis, Miss., 1964  
           | Missouri School of Mines, Rolla, Mo. *See Containers 108-109, University of Missouri*  
           | Mueller, Jean Elizabeth (daughter), 1968  
           | Mueller, Karen Ann (daughter), 1966-1968  

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Newspaper and magazine articles, 1963-1969, undated
   (11 folders)
BOX 84
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Nobel Prize for Science, undated
   (2 folders)
North American Rockwell Corporation Program Management System for Project Apollo. NASA Apollo Program Management Series, no. 12, 1968
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   Directors' retreat, Cape Kennedy, Fla., 1969
   Executive sessions, 1966-1967
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Paine, Thomas O., 1969, undated  
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Schedules, 1964-1967, undated
Schriever, Bernard A., 1968, undated
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Sedov, Leonid Ivanovich, "Ten Years of Space Exploration in the Soviet Union," 1967
Siegel, Keeve M., 1966
Sigma Pi Sigma, undated
Simulator, 1968
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Sud Aviation, Toulouse, France, 1969
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Teague, Olin E., 1967-1969
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Technology Utilization Program, 1965-1968 *(See also Container 66, Benefits of space)*
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Towl, E. Clinton, 1966
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Webb, James E., 1969
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Weinstock, Arnold, 1969
Welsh, Edward C., "The Cornucopia of Space," 1968
White House News Photographers Association, 1969
Whittaker Corp., Los Angeles, Calif., 1967-1969
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Why Manned Spaceflight? See Container 73, Film
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"Some Applications of Apollo," 1965
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|           | Beverly Hills Rotary Club, Beverly Hills, Calif., 1970  
|           | Convair Management Club, San Diego, Calif., 1970  
|           | Electric Boat Management Club, Groton, Conn., 1971  
|           | General Dynamics Corp., Electronics Division, Rochester, N.Y., 1970  
|           | General Dynamics Management Association of Fort Worth, Fort Worth, Tex., 1970  
|           | Institute of Electrical and Electronics Engineers, National Telemetering Conference, Los Angeles, Calif., 1970  
|           | International Astronautical Federation, Constance, West Germany, 1970  
|           | John F. Kennedy Space Center, Hugh O'Brian Youth Seminar, Cape Kennedy, Fla., 1970  
|           | Montgomery Area Chamber of Commerce, Montgomery, Ala., 1970  
|           | Museum of Science and Industry, Los Angeles, Calif., 1970  
|           | Pioneers Banquet, Cocoa Beach, Fla., 1970  
|           | Space Congress, Cocoa Beach, Fla., 1970  
|           | Winter Convention on Aerospace and Electronics Systems, Los Angeles, Calif., 1970  
|           | World Affairs Council of Pittsburgh, Pittsburgh, Pa., 1970  
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| BOX 113   | Achievement Rewards for College Scientists, 1970  
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|           | American Association for the Advancement of Science, 1970  
|           | Appointment book, 1970  
|           | ARCS, Inc. See same container, Achievement Rewards for College Scientists  
|           | Autograph, photograph, and publication requests, 1970-1971  
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|           | California Institute of Technology, Pasadena, Calif., 1970-1971  
|           | Canaveral Council of Technical Societies, Cocoa Beach, Fla. See Container 123, Space Congress  
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|           | Committee for the Future, 1971  
|           | Employment records, 1971  
|           | F-111 (jet fighter plane), 1971  

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|           | Industrial Resources Corp., Chicago, Ill., undated  
|           | International Academy of Astronautics *See same container, International Astronautical Federation*  
|           | International Astronautical Federation, 1970-1971  
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|           | International Conference on Space Technology, Rome, Italy, 1971 |
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|           | Material Service Corp., Chicago, Ill., 1970  
|           | Meeting notes and transcriptions, 1970-1971, undated  
|           | (5 folders) |
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|           | Missouri School of Mines, Rolla, Mo. *See Container 124, University of Missouri*  
|           | Morton, Mark, “Make Room in Your Mind for the Things of Tomorrow,” 1971  
|           | National Academy of Engineering, Washington, D.C.  
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|           | Office of Manned Space Flight, advanced computer studies |

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<td>July 1970-June 1971</td>
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<td>Paris Air Show, Paris, France, 1971, undated</td>
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<td>Personnel, 1958-1971</td>
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<td>Press releases, 1969-1971</td>
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<td>Purdue University, Lafayette, Ind., 1970</td>
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<td>Scientific Evaluation Corp., Utica, N.Y., undated</td>
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<td>Sea-Space Symposium</td>
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<td>14 May 1970-27 May 1971, undated</td>
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<td>Social engagements, 1970-1971, undated</td>
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<td>Society of Naval Architects and Marine Engineers, 1970</td>
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<td>Space Congress, Cocoa Beach, Fla., 1970, undated</td>
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<td>Space Seminar, Cape Kennedy, Fla., 1970</td>
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<td>University of Missouri, Rolla, Mo., 1970-1971</td>
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<td>University of Sydney, Sydney, Australia, 1971</td>
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**General Dynamics Corporation, 1958-1971**

**Container** | **Contents**
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Writings, 1970

**BOX 124-242** | **System Development Corporation, 1957-1984**

**BOX 124-131** | **Correspondence, 1971-1983**
Greeting cards, letters, memoranda, telegrams, and attachments.  
Arranged alphabetically by name of correspondent and therein chronologically.

**BOX 124**  
1-116, 1979-1983, undated  
Alders, Charles A., 1971-1979  
Alonso, Manuel, 1973-1976  
Anderson, Robert H., 1972-1977  
Ash, Roy L., 1978-1979  
(2 folders)

**BOX 125**  
Blumenthal, W. Michael, 1980-1983  
Burke, John J. and Nancy F., 1971-1979, undated  
Burns, Dan W., 1979-1983, undated  
"B" miscellaneous, 1971-1983  
(5 folders)
Carroll, Robert E., 1972-1982  
Clarke, Arthur Charles, 1972-1977  
Contant, Jean-Michel, 1975-1982  
Cranston, Alan, 1976-1982  
Crum, J. Stanley, 1975-1983  
"C" miscellaneous, 1971-1983, undated  
(5 folders)

**BOX 126**  
Dooley, Donald A., 1971-1974  
Doolittle, James Harold and Jo, 1972-1983  
Dornan, Robert K., 1977-1982  
Doyle, Edward J., 1973-1983  
"D" miscellaneous, 1971-1983, undated  
(4 folders)
Employees and shareholdeers, 1971-1982  
English, Glenn, 1981  
Executive office, System Development Corp., 1971  
"E" miscellaneous, 1971-1983  
Fascell, Dante B., 1981  
Franklin, Marvin J., 1972-1983  
Fried, Bernard, 1971-1983  
"F" miscellaneous, 1971-1983  
(2 folders)
Gaynor, Emil, 1971-1983
<table>
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| BOX 127   | Goldring, Mary, 1971-1974  
           | Goldstein, Bernard B., 1978-1980  
           | Grey, Jerry, 1973-1983  
           | "Gag-Get" miscellaneous, 1971-1983  
           | "Gib-Gwi" miscellaneous, 1971-1983  
           | (2 folders)  
           | Hallett, Carol, 1981-1982  
           | Hansen, Grant L., 1979-1983  
           | Harford, James J., 1972-1982  
           | (3 folders)  
           | "I" miscellaneous, 1972-1983  
           | Jacobson, Jerome, 1981-1982  
           | Johnson, Roger W. and Jan, 1978-1981  
           | "J" miscellaneous, 1971-1983  
           | (2 folders)  
           | Lehan, Frank W., 1971-1981  
           | Loewy, Raymond and Viola, 1971-1981 |
| BOX 128   | "L" miscellaneous, 1971-1983, undated  
           | (2 folders)  
           | McAlpine, Kenneth S., 1975-1979  
           | (6 folders)  
           | Napolitano, Luigi G., 1972-1983  
           | Newbauer, John J., 1972-1983  
           | "N" miscellaneous, 1971-1983, undated  
           | Ono, Kanji, 1978-1982  
           | "O" miscellaneous, 1972-1983  
           | Paine, Thomas O., 1981-1982  
           | Parker, Norman F., 1979-1981  
           | Peña, Miguel Sanchez, 1981-1983  
           | "Pab-Pet" miscellaneous, 1971-1983, undated |
| BOX 129   | "Pfa-Pyr" miscellaneous, 1971-1983, undated  
           | (2 folders)  
           | "Q" miscellaneous, 1971-1982  
           | "R" miscellaneous, 1971-1983, undated  
           | (3 folders)  
           | Skaggs, James B., 1971-1973  
           | (5 folders)  
           | Teague, Olin E., 1973-1980  
           | Timken, Harold A., 1973-1979 |
| BOX 130   | "T" miscellaneous, 1971-1983  
           | (2 folders)  
           | United States government, 1972-1982 |
"U" miscellaneous, 1973-1983
van Gelder, Hélène, 1971-1982
"V" miscellaneous, 1971-1983
Walker, Brooks, Jr., 1971-1981, undated
Will, Edward W., 1971-1973
Wilson, O. Meredith, 1971-1981
"W" miscellaneous, 1971-1983
(3 folders)
Young, Donald E., 1980-1983
(3 folders)
"Y" miscellaneous, 1971-1983
"Z" miscellaneous, 1971-1982

BOX 131

Multiple recipients (i.e., addressed to three or more persons), 1971-1983
(4 folders)
Unidentified, 1971-1983, undated

BOX 131-136

Speeches, 1971-1983
Correspondence, journal articles, newspaper clippings, notes, outlines, pamphlets, photographs, programs, speech lists, and speeches.
Arranged alphabetically by name of organization and therein chronologically.

BOX 131

American Academy of Achievement, Salt Lake City, Utah, 1971-1972, undated
American Association for the Advancement of Science, San Francisco, Calif., 1973-1974, undated
American Astronautical Society
   Houston, Tex., 1978
   Washington, D.C., 1982
American Business Women's Association, Santa Monica, Calif., 1980, undated
American Institute of Aeronautics and Astronautics
   Antelope Valley, Calif., 1979
   Arlington, Va., 1983
   Baltimore, Md., 1980
   Boulder, Colo., 1979
BOX 132

   Houston, Tex., 1980
   Los Angeles, Calif., 1979
   New York, N.Y., 1979
   Oak Ridge, Tenn., 1979, undated
   Orange County, Calif., 1979
   St. Louis, Mo., 1979
   San Diego, Calif., 1979
   San Francisco, Calif., 1979
   Seattle, Wash., 1979
   Section meetings, 1979
   Washington, D.C., 1971-1972
   (2 folders)
   Washington, D.C., and New Orleans, La., 1980
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<td>American Trucking Associations, Management Systems Committee, San Francisco, Calif., 1977, undated</td>
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| BOX 134   | American Institute of Industrial Engineers  
San Francisco, Calif., 1976-1978  
(3 folders)  
Washington, D.C., 1975-1978  
(2 folders)  
(2 folders)  
(2 folders)  
California Institute of Technology, Pasadena, Calif., 1971-1972, undated  
Canadian Aeronautics and Space Institute, Ottawa, Canada, 1979  
Canaverel Council of Technical Societies, Cape Canaveral, Fla., 1983  
Comision Nacional de Investigaciones Espaciales, Buenos Aires, Argentina, 1981  
Commonwealth Club of California, San Francisco, Calif., 1978-1979 |


University of Alabama, Huntsville, Ala., 1979

University of California, Los Angeles, Calif., 1983, undated

University of Southern California, Systems Management Center, Los Angeles, Calif., 1973

University of Sydney, Science School, Sydney, Australia, 1971

(2 folders)

University of Tennessee, Tullahoma, Tenn., and Technical University, Aachen, West Germany, 1974-1979, undated

(2 folders)

Webb School of California, Claremont, Calif., 1972, undated


Youth Motivation Task Force, Los Angeles, Calif., 1980

Unidentified, 1979-1983, undated

**Subject File, 1957-1984**

Appointment books, awards, biographical material, correspondence, directories, financial records, magazine articles, mail logs, manuals, membership records, newspaper articles, organization charts, philatelic material, photographs, printed matter, reports, social invitations, song sheets, telephone logs, travel records, writings, and other material.

Arranged alphabetically by topic or type or material and therein chronologically.

**BOX 136**

465L Program, 1972-1973

Achievement Rewards for College Scientists, 1978-1983, undated

Acquisitions and mergers, 1976

Aero Club of Southern California, Marina del Rey, Calif., 1980-1983, undated

**BOX 137**

Aero Technical Applications, Inc., St. Louis, Mo., 1971, undated

Aerolineas Argentinas, Buenos Aires, Argentina, undated

Aerospatiale, Les Mureaux, France, 1977-1979


(9 folders)

**BOX 138**


(5 folders)

Amerada Hess Corp., Woodbridge Township, N.J., 1983

American Academy of Achievement, 1971-1977

American Association for the Advancement of Science, 1978-1983, undated

(3 folders)


(3 folders)

American Defense Preparedness Association

1974-1975
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| BOX 139   | 1976-1983, undated  
|           | (5 folders)  
|           | American Federation of Information Processing Societies, 1972  
|           | American Geophysical Union, 1980-1983  
|           | American Institute of Aeronautics and Astronautics  
|           | 31 July 1972-8 June 1973  
|           | 23 Apr. 1974  
|           | (2 folders)  
| BOX 140   | 24 Apr. 1974-9 June 1978  
|           | (6 folders)  
| BOX 141   | June 1978-26 Mar. 1979  
|           | (6 folders)  
| BOX 142   | 27 Mar.-30 May 1979  
|           | (7 folders)  
| BOX 143   | 31 May-15 Aug. 1979  
|           | (7 folders)  
| BOX 144   | 16 Aug.-17 Dec. 1979  
|           | (6 folders)  
| BOX 145   | 11 Jan.-7 May 1980  
|           | (7 folders)  
|           | (11 folders)  
| BOX 147   | 22 Aug.-5 Dec. 1983  
|           | Undated  
|           | (9 folders)  
| BOX 148   | American Institute of Wine & Food, San Francisco, Calif.  
| BOX 149   | June 1983-circa Jan. 1984  
|           | (3 folders)  
|           | American Oceanic Organization, 1980  
|           | American Society of Mechanical Engineers, 1981, undated  
|           | American Space Institute, Newport Beach, Calif., 1975-1976, undated  
|           | (2 folders)  
|           | Appointment books  
|           | 1971-1972  
|           | (5 folders)  
| BOX 150   | 1973-1978  
|           | (12 folders)  
| BOX 151   | 1978-1983  
|           | (13 folders)  
| BOX 152   | 1982-1984  
|           | ARCS, Inc.  

See Container 136, Achievement Rewards for College Scientists
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| BOX 153   | Bean, Alan, 1983  
|           | Benas, Rose A., 1973  
|           | Benefits of space, 1971  
|           | Benefits survey, 1978  
|           | Bergeson, Lloyd, 1982, undated  
|           | Biographical material, 1974, undated  
|           | Books signed, 1979-1983  
|           | British Interplanetary Society, 1976-1983  
| BOX 154   | Merger of System Development Corp., Santa Monica, Calif., with Federal and Special  
|           | Systems Group, Paoli, Pa.  
| BOX 156   | Business cards, undated  
| BOX 157   | California Institute of Technology, Pasadena, Calif. See also Container 180, Jet Propulsion  
| BOX 158   | California Roundtable, Burlingame, Calif.  
|           | California Space Institute, La Jolla, Calif. See Container 238, University of California, San Diego  

Ariane launch vehicle, circa 1979  
Armed Forces Communications and Electronics Association, 1980-1983  
Artificial intelligence, 1981-1983, undated  
Association Aéronautique et Astronautique de France, Paris, France, 1979  
(3 folders)  
Association of the United States Army, 1979-1983  
(3 folders)  
Autograph, photograph, and publication requests, 1971-1981  
(2 folders)  
Awards, 1972-1981  
(3 folders)  

G. E. Mueller Papers

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California Special Olympics, Los Angeles, Calif., 1974
California Yacht Club, Marina del Rey, Calif., 1972-1981, undated
   (2 folders)
Camarillo, Calif., 1980-1983, undated
Canaveral Council of Technical Societies, Cocoa Beach, Fla. See Container 228, Space Congress
Carafoi, Elie, circa 1983
Cercle Concours d'Elegance-Visionaries, Los Angeles, Calif., 1974
Certificates See Container 152, Awards
BOX 159
Charles A. Lindbergh Memorial Fund Committee, 1977
Cinek, Mary, undated
Clarke, Arthur Charles, 1982-1983
Clay, Lucius D. (1919- ), 1975
Cobra Dane Program, 1973-1976, undated
   (4 folders)
Combat Grande Project, 1972-1974, undated
   (4 folders)
Command Communications Corp., New York, N.Y.
   Mar.-Sept. 1971
BOX 160
   Oct. 1971-May 1974, undated
   (3 folders)
Commercial data management system
   (8 folders)
BOX 161
   Apr. 1970
Committee on Science and Technology, 1978
Committee on Space Research, 1983
Computer aided command, 1970
Computer assisted planning, 1970-1971
Computer concepts, 1969
Computer systems
   General, 1979-1980, undated
   Measurement, undated
   Networks, 1983, undated
   (3 folders)
   Programming, undated
Computer Transmission Corp., El Segundo, Calif.
   1976
BOX 162
   1977-1980, undated
   (2 folders)
Conférence des Chevaliers du Tastevin, Dijon, France, 1980-1982, undated
Contact, 1983
Corporate materials management system, 1978
   (3 folders)
Cousteau Society, 1974-1976, undated
Cummings, Robert B., 1973
Currency, Philippines, undated
"CWIC: A Compiler for Writing and Implementing Compilers," undated
(2 folders)

**BOX 163**
Data Base Products Task Force, 1976-1977
Data Management Systems Task Group, 1971
DataVault Project, 1970-1979
(5 folders)
1979-1983
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**BOX 164**
Undated
(4 folders)
Directory, undated
Directory of Genetic Engineering and Biotechnology Firms U.S.A., 1982
(2 folders)
Dooling, David, Jr., 1971
Doolittle, James Harold, 1972, 1981, undated See also Container 188, Los Angeles Area
Chamber of Commerce
Dryden, Hugh L., 1977
DS/2 management information system
Feb. 1971

**BOX 165**
July 1971
(2 folders)
Earth Space Expo, Los Angeles, Calif., 1979
Electronics Industries Association, 1970-1978
Elms, James C., 1974
Emergency command control communications system, undated
Energy crisis, 1973, undated
Eurosatellite, 1979
Fahlman, Scott E., et al., "Massively Parallel Architectures for AI: NETL, Thistle, and
Boltzmann Machines," 1983
Financial records
1970-1974
(6 folders)

**BOX 166**
1975-1983, undated
(6 folders)
First Systems Corp., Manhattan Beach, Calif., 1981-1983
Freitag, Robert F., 1974
Future planning
10 May-10 Aug. 1971
(3 folders)
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| BOX 167   | 16 Aug. 1971-1979  
(9 folders) |
| BOX 168   | 1981, undated  
(2 folders) |
|           | Future Space Systems Operational Options Study. **See Container 222, Rockwell International Corp.** |
|           | GEM Charters, Los Angeles, Calif., 1979 |
|           | General election, Los Angeles County, Calif., 1974 |
|           | Genome Corp., Cambridge, Mass., 1981 |
|           | Georgia Institute of Technology, Atlanta, Ga., 1979-1981 |
|           | Gorove, Stephen and Margaret, "The Linking of Space Technology, the Law and the Arts for Peace and Human Progress," 1979 |
|           | Harvey Mudd College, Claremont, Calif., 1982-1983 |
|           | Herrmann, Trina, 1979 |
|           | History of System Development Corp., 1958-1977, undated  
(5 folders) |
|           | Hugh O'Brian Youth Foundation, Los Angeles, Calif., 1970-1981, undated  
(2 folders) |
|           | Human Factors Society, 1983 |
|           | ICBM Pioneers, Hawthorne, Calif., 1974-1979 |
|           | Incorporation records, 1973-1974 |
| BOX 169   | Independent Research and Development Program  
(6 folders) |
|           | 18 Nov. 1981  
(2 folders) |
| BOX 170   | 1 Apr. 1983, undated  
(6 folders) |
|           | Information Institute, Santa Barbara, Calif. **See Container 172, International Academy at Santa Barbara** |
|           | Institute for the Advancement of Engineering  
(4 folders) |
|           | Institute of Electrical and Electronics Engineers, 1973-1983, undated  
(8 folders) |
| BOX 172   | Institute of Navigation, 1978-1982  
*Interdisciplinary Science Reviews, 1975-1980* |
|           | International Academy at Santa Barbara, Santa Barbara, Calif., 1981-1983, undated  
(5 folders) |
|           | International Academy of Astronautics **See Containers 172-179, International Astronautical Federation** |
|           | International Astronautical Federation  
10 June 1971-25 Sept. 1972  
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| BOX 175   | 10 Oct. 1976-3 July 1978  
           | (10 folders) |
| BOX 176   | 5 July 1978-29 Dec. 1980  
           | (12 folders) |
           | (11 folders) |
| BOX 178   | 16 Mar.-25 Aug. 1982      
           | (13 folders) |
           | (10 folders) |
           | (2 folders) |
|           | Investment Data Corp., Santa Monica, Calif., 1973, undated |
|           | Investments, 1977-1979 |
|           | Iran Peace Crown, 1973-1975, undated |
|           | James, Peter N., *Soviet Conquest from Space*, 1974 |
|           | Jet Propulsion Laboratory, Pasadena, Calif., 1981, undated See also Containers 156-157 |
|           | California Institute of Technology |
|           | Jonathan Club, Los Angeles, Calif., 1971-1979, undated |
|           | Kondratyev, R. K., 1972 |
           | (2 folders) |
|           | Laguna Blanca School, Santa Barbara, Calif., 1983 |
|           | Lockheed Missiles and Space Co., Space Systems Division, 1981 |
|           | Loewy, Raymond, 1975-1979, undated |
|           | Logs |
|           | Mail  
           | 7 July-25 Oct. 1971  
           | (2 folders) |
| BOX 181   | 26 Oct.-14 Nov. 1971  
           | (13 folders) |
| BOX 182   | 15 Nov. 1971-29 Oct. 1975  
           | (12 folders) |
           | (13 folders) |
| BOX 184   | 3 Jan. 1978-12 Nov. 1979  
           | (13 folders) |
| BOX 185   | 13 Nov. 1979-30 June 1981  
<pre><code>       | (14 folders) |
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| BOX 186   | 1 Dec. 1981-30 June 1982  
(4 folders) |
| Telephone | 24 May 1978-4 May 1982  
(9 folders) |
| BOX 187   | 5 May 1982-12 July 1983  
(13 folders) |
| BOX 188   | 13 July-29 Dec. 1983, undated  
(4 folders) |
| Los Angeles Area Chamber of Commerce, Los Angeles, Calif., 1974-1976 See also Container 164, Doolittle, James Harold |
| Los Angeles Athletic Club, Los Angeles, Calif., 1975 |
| Los Angeles World Affairs Council, 1979 |
| Lunar exploration, 1983 |
| Lunar power system See same container, Lunar exploration |
| Man-machine synergism, 1970 |
| Manned space flight awareness reception, 1972 |
| Marconi International Fellowship, 1980-1981 |
| Marketing, 1982-1983, undated |
| McCray-Quinn & Associates, Los Angeles, Calif., 1974-1978  
(3 folders) |
| McDonnell, Sanford N., undated |
| Meeting notes and transcriptions  
1971-1982 |
| BOX 189   | Undated  
Missile, Space and Range Pioneers, Inc., Cocoa Beach, Fla., 1968-1980, undated  
(2 folders) |
| Missouri School of Mines, Rolla, Mo. See Container 239, University of Missouri |
| Mixed-mode propulsion, 1971-1973 |
| Mixed-mode rocket vehicles, 1973 |
| Monday staff  
1978-1979  
(7 folders) |
| BOX 190   | 1980-1983, undated  
(11 folders) |
| Morrow, Thomas E., 1982 |
| Munson, Anne, 1979 |
| National Academy of Engineering, Washington, D.C. See also Container 192, National Academy of Sciences, and Containers 206-213, National Research Council  
(8 folders) |
| BOX 192   | 23 June 1981-7 Dec. 1983, undated  
(5 folders) |
National Academy of Engineering
National Aeronautic Association, 1981-1982
National Aeronautics and Space Administration, Washington, D.C.
   (2 folders)
Apollo Program
   Apollo 11, 1974-1979, undated
   Apollo 15
      June 1971
BOX 193
   July-Aug. 1971
   (2 folders)
   Apollo 16, 1972
   (2 folders)
   Apollo 17, 1972
   Apollo 204, 1967-1971
   "Apollo Program Summary Report," 1975
   (2 folders)
   "Apollo Propulsion Systems Development and Flight Experience," undated
   Apollo Soyuz Test Project, 1975, undated See also Oversize
BOX 194
   "The Apollo Spacecraft: A Chronology"
      Vol. III, 1973
      (4 folders)
      Vol. IV, 1975
      (2 folders)
   Astronaut biographies, 1969-1979, undated
BOX 195
   (3 folders)
   General, 1972-1983, undated
   "Catalog of Center Roles," 1975-1976
   (2 folders)
   Environmental and Earth Resources satellite, 1972
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   General
      1972-1983
      (10 folders)
   Undated
      (2 folders)
BOX 197
   (8 folders)
BOX 198
   (7 folders)
Gemini Project See Container 199, Project Gemini
Hubble Space Telescope, 1981, undated
"Maneuver Strategies and Performance Requirement for Sphere of Influence Determination," 1982
   (1 folder)
   (1 folder)

   (5 folders)
Project Gemini, 1971


Ranger Project, 1971

Saturn Program, "The Stages of Saturn: A Technological History of the Apollo/Saturn
Launch Vehicles," 1975
   (3 folders)
Skylab Program
   "Data Management for the Skylab Program," 1971
   "The Design and Utilization of a Spacelab for Sortie Missions," 1973
   General, 1971-1974, undated See also Oversize
   "History of Skylab," 1977
   (2 folders)
   "Revision 2 to the Skylab Preliminary Reference Trajectory," 1971
   "Skylab: A Chronology," 1975
   (1 folder)
   (1 folder)

Skylab Information Guide, 1973
Skylab: Program Description, 1971

"The Space Program and Its Economic Effect on the Nation," 1973

Space Settlements: A Design Study, 1977

Space Shuttle Program
   "Air Launch for Space Shuttles: Impact of Mixed-Mode Propulsion and Comparison
with Single-Stage-to-Orbit," 1974
   "California: Launch and Retrieval Base Site. Flight Testing Location for Space
Shuttle," 1971
   General
   1972-1983
   (4 folders)

Undated
   (2 folders)
   "Hearing before the Subcommittee on Space Science and Applications of the
Committee on Science and Technology, U.S. House of Representatives," 1979
   "Research Study to Identify Technology Requirements for Advanced Earth-Orbital
Transportation Systems," 1976, undated
   (2 folders)
Space Shuttle, 1975
   "Space Shuttle Review," 1971, undated
   (2 folders)
Workshop on utilization of the external tanks of the space transportation system, San
Diego, Calif., 1982

Space Station Program
System Development Corporation, 1957-1984

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<td>BOX 204</td>
<td>&quot;Space Systems Technology Model&quot;</td>
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<td>1980</td>
<td>Vol. I</td>
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<td>Vol. II</td>
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<td>Vol. III</td>
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<td>1981</td>
<td>Vol. I, part A</td>
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<td>BOX 205</td>
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<td>Thor missile, 1978</td>
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<td>Twenty-fifth anniversary, 1983, undated</td>
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<td>Viking Mars Program</td>
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<td>Sept. 1973-July 1974</td>
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<td>National Aeronautics and Space Council, 1972</td>
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**BOX 242-252**
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|           | Association Aéronautique et Astronautique de France, Paris, France, 1986  
|           | Astro Sciences Corp., Chatsworth, Calif., 1987-1994, undated  
|           | Astrotech International Corp., Pittsburgh, Pa., 1985-1986, undated  
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|           | Atwood, J. Leland, 1988-1990  
|           | Austrian Solar and Space Agency, Vienna, Austria, 1987  
|           | Bean, Alan, 1984  
|           | Beichel, Rudi, "Advanced Technologies, the Key to Affordable Access to Space," 1994  
|           | Bekey, Ivan, "A Perspective on Advanced Transportation," 1988  
|           | Bio-Polymers, Inc., Farmington, Conn., 1986  
|           | Biosphere II, 1990-1994  
|           | British Interplanetary Society, 1986-1987  
|           | Business cards, undated  
|           | California Fund for Music, undated  
|           | California Institute of Technology, Pasadena, Calif., 1985-1986, undated  
|           | California Seminar on International Security and Foreign Policy, Santa Monica, Calif., 1984  
|           | California Space Institute, La Jolla, Calif.  
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G. E. Mueller Papers
Carpenter, Gail, et al., "Associative Learning, Adaptive Pattern Recognition, and Cooperative-Competitive Decision Making by Neural Networks," 1986

CelluComm Systems Development Limited Partnership, Seattle, Wash., 1984
Centre National d'Études Spatiales, Toulouse, France, 1987-1990
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"Chemical Weapons Verification Technology Development," 1989
Clark, Edward H., Jr., "OPEC at the Crossroads," 1985
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Codowell, S. A., 1984
Cohesive Network Corp., Campbell, Calif., 1985, undated
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Falconi, Oscar, The Case for Space Colonization--Now! 1988
First Systems Corp., Manhattan Beach, Calif., 1985
Flight Safety Foundation, 1987
Focus: Economic, Social and Cultural Quarterly, 1993
Foundation for C & C Promotion, Tokyo, Japan, 1989
Geodynamics Corp., Santa Barbara, Calif., undated
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Harvey Mudd College, Claremont, Calif., 1984-1986
Hecht-Nielson Neurocomputer Corp., San Diego, Calif., 1987
Heidmann, Jean, "The MEGASETI, a Major Step in Bioastronomy" and "SAHA, a Dedicated Lunar Far Side Crater for SETI," 1987, 1994
Hermann-Oberth-Gesellschafte e.V., Flughafen Bremen, Germany, 1984-1986
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Information Institute, Santa Barbara, Calif. See same container, International Academy at Santa Barbara
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Institute for Western Hemisphere Studies, San Antonio, Tex., 1992
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"Buenos Aires Declaration on the XII Tables of the Rights of Mankind," 1989
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Constitution, 1990, undated
Correspondence, 1984-1994, undated
(3 folders)
Fries, Sylvia Doughty, "Apollo: A Pioneering Generation," 1986
An Introduction to the International Astronautical Federation, 1986
Joint Board of Remote Sensing Activities, 1987-1990
Nozette, Stewart, "Modeling and Simulation of Large Scale Space Systems," 1986
Oliver, B. M., "Efficient Interstellar Rocketry," undated
Symposium on Space Technology for Disaster Prediction, Communications, and Rescue, New York, N.Y., 1990
International Astronautical Union, 1987-1990
International Congress of Aviation and Space Medicine, Paris, France, 1990
International Council of the Aeronautical Sciences, Jerusalem, Israel, 1988
International Meta Systems, Inc., Hermosa Beach, Calif., 1986
International Space University, Strasbourg, France, 1993

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Literatura y Ciencia, Fundación Casa de la Cultura de Córdoba, Córdoba, Argentina, 1988
Longboat Key Limited Partnership, Houston, Tex., 1985
Los Alamos National Laboratory, Los Alamos, N.Mex., 1988, undated
LunaCorp, Great Falls, Va., 1990-1993
Lunar and Planetary Institute, Houston, Tex., 1986-1987
Lunar Bases and Space Activities of the Twenty-first Century symposia, 1984-1988
Lunar Development Council, 1987
Lunar exploration, 1989-1992
Lunar power system See same container, Lunar exploration
Man in Space Forum See Containers 272-273, American Institute of Aeronautics and
Astronautics
Mars, undated
McKenzie, Jim, 1985
Meeting notes and transcriptions, undated
Missouri School of Mines, Rolla, Mo. See Container 326, University of Missouri
Murray, Bruce, "Destination Mars: A Manifesto," 1990
Music Center of Los Angeles County, Los Angeles, Calif., 1984-1985, undated

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Biomedical Office, 1984-1985  
Comet Shoemaker-Levy 9, 1994  
Commercial Use of Space: A New Economic Strength for America, undated  
Earth Orbiting System: A Mission to Planet Earth, 1990  
Fletcher, James C., 1986  
General, 1984-1992, undated  
General purpose computer, 1987  
Goldwin, Daniel S., 1992  
"Humans in Space" briefing, Ames Research Center, Moffett Field, Calif.  
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Lewis Research Center, Cleveland, Ohio, 1987, undated  
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Truly, Richard H., 1989  
"What Future for the United States in Space?" 1987  
National Commission on Space, 1986  
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Southern California Space Business Roundtable, South Pasadena, Calif. See Container 326 World Space Foundation
Space flight stamp series, China, 1986
Space Systems Productivity and Manufacturing Conference, El Sugundo, Calif., 1988
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  Earth and Space Sciences Advisory Council, 1990-1992  
  Sea Grant Institutional Program, 1990  
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| BOX OV 1   | **Family Papers**  
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                  | Mueller, Edwin and Ella (parents)  
                  | National Electrical Contractors Association, 1946 (Container 13)  
                  | Residences  
                  | 6 Villa Wood Lane, Webster Groves, Mo., 1941 (Container 13)  
                  | 2933 Monteau Drive, St. Louis, Mo., undated (Container 13)  
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