

# **G. E. Mueller Papers**

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Revised by Joseph K. Brooks with the assistance of Chante R. Flowers and Tammi L. Taylor

## Collection Summary

**Title:** G. E. Mueller Papers

**Span Dates:** 1876-2012

**Bulk Dates:** (bulk 1935-2005)

**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.  
Azcarra Arana, Alvaro, 1940- --Correspondence.  
Blumenthal, W. Michael, 1926- --Correspondence.  
Carter, Leonard J. (Leonard James)--Correspondence.  
Chevalier, Roger, 1922- --Correspondence.  
Clarke, Arthur C. (Arthur Charles), 1917-2008--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.  
Schreiber, 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**

<i>Date</i>	<i>Event</i>
1918, July 16	Born, St. Louis, Mo.
1939	B.S., electrical engineering, Missouri School of Mines, Rolla, Mo.
1940	M.S., electrical engineering, Purdue University, Lafayette, Ind.
1940-1946	Member, technical staff, Bell Telephone Laboratories, New York, N.Y.
1941	Married Maude Elizabeth Rosenbaum (divorced 1974)
1946-1957	Assistant professor and professor of electrical engineering, Ohio State University, Columbus, Ohio
1951	Ph.D., physics, Ohio State University, Columbus, Ohio

1955-1957 Consultant, Ramo-Wooldridge Division, Thompson Ramo Wooldridge, Inc., Los Angeles, Calif.

1957-1963 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.

1963-1969 Associate administrator for manned space flight, National Aeronautics and Space Administration, Washington, D.C.

1964 Published with Eugene R. Spangler *Communication Satellites* (New York: John Wiley & Sons. 280 pp.)

1969-1971 Senior vice president, General Dynamics Corp., New York, N.Y.

1970 Founder, Sea-Space Symposium, Philadelphia, Pa.  
National Medal of Science, National Science Foundation, Washington, D.C.

1971 Vice president, International Astronautical Federation

1971-1981 Chairman and president, System Development Corp., Santa Monica, Calif.

1975-1981 Director, Ocean Corp., Houston, Tex.

1976 Chairman, twenty-seventh congress, International Astronautical Federation, Anaheim, Calif.

1976-1986 Trustee, Marine Science Institute, University of California, Santa Barbara, Calif.

1978 Married Darla Jean Hix

1979 National Transportation Award, Department of Transportation, Washington, D.C.

1979-1980 President, American Institute of Aeronautics and Astronautics

1981- President, Jojoba Propagation Laboratories

1981-1983 Chairman and chief executive officer, System Development Corp., Santa Monica, Calif.  
Senior vice president, Burroughs Corp., Detroit, Mich.

1982 Founder, American Institute of Wine & Food, San Francisco, Calif.

1982-1995 President, International Academy of Astronautics

1983- Manager, Mueller Farms, Hyder, Ariz.

1983-1985 Director, Original Computer Camp, Santa Barbara, Calif.

1983-1988 Trustee, Laguna Blanca School, Santa Barbara, Calif.

1984- 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.
2015, Oct. 12	Died, Irvine, Calif.

## 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](#) , [Addition](#) , [Oversize](#) , and [Classified and Digital Files](#).

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. Schreiber, chairman of Schreiber & 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; H  l  ne 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 K  rman 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.

The [Addition](#) consists of the following ten subseries that parallel Mueller's career and usually relate to similarly named series in the main body of these papers: [University of Missouri, Missouri School of Mines, Rolla, Mo.](#); [Bell Laboratories](#); [Ohio State University, Columbus, Ohio](#); [Space Technology Laboratories](#); [National Aeronautics and Space Administration](#); [System Development Corporation](#); [Interviews of Mueller by the National Air and Space Museum](#); [Kistler Aerospace Corporation](#); and a [Miscellany](#); and. The bulk of the Addition consists of the [Kistler Aerospace Corporation](#) subseries. This part of Mueller's career, a ten year commitment after his time at the National Aeronautics and Space Administration, is documented by only a single folder in the main body of these papers. The subseries documents Mueller's service as president and chief operating officer of Kistler Aerospace, which was in the business of developing the first generation of

commercial reusable space rockets. Also unique to the Addition are in depth interviews of Mueller by officials of the Smithsonian's National Air and Space Museum over a three-year period.

## 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](#)
- [Addition, 1939-2012](#)
- [Oversize, 1893-1993](#)
- [Classified, 1942-1979.](#)
- [Digital File, 1987](#)



## Description of Series

### *Container*

### *Series*

BOX 1-16

**Family Papers, 1876-1983**

BOX 1-6

**Correspondence, 1936-1983**

Greeting cards, letters, telegrams, and attachments.  
Arranged alphabetically by name of correspondent and therein chronologically.

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 16-17

**University of Missouri, 1935-1939**

Address lists, awards, class notes, correspondence, drawings, grade reports, invitations, laboratory notes, photographs, programs, song sheets, stride and slope scales, tests, and other material.  
Arranged alphabetically by topic or type of material and therein chronologically.

BOX 17-18

**Purdue University, 1939-1940**

Class schedules, correspondence, directories, grade reports, laboratory notebooks, photographs, programs, and other material.  
Arranged alphabetically by topic or type of material and therein chronologically.

BOX 18-19

**Bell Telephone Laboratories, 1888-1946**

Address lists, bibliographies, correspondence, laboratory notes, lists, photographs, printed matter, reports, writings, and other material.  
Arranged alphabetically by topic or type of material and therein chronologically.

BOX 19-26

**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.

BOX 26-39

**Space Technology Laboratories, 1957-1963**

BOX 26-29

**Correspondence, 1957-1963**

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

BOX 29

**Speeches, 1958-1963**

Abstracts, correspondence, reviews, texts of speeches, and related matter.  
Arranged alphabetically by name of organization and therein chronologically.

- BOX 29-38**                    **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.
- BOX 39-110**                    **National Aeronautics and Space Administration, 1960-1970**
- BOX 39-44**                    **Correspondence, 1963-1969**  
Greeting cards, letters, memoranda, telegrams, and attachments.  
Arranged alphabetically by name of correspondent and therein chronologically.
- BOX 44-47**                    **Speeches, 1964-1969**  
Speeches, notes, transcripts, and appendices.  
Arranged chronologically by date of speech.
- 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 110**                      **Writings, 1963-1969**  
Announcements, correspondence, journal and magazine articles, publication drafts, and reviews.  
Arranged alphabetically by title and therein chronologically.
- BOX 111-124**                    **General Dynamics Corporation, 1958-1971**
- BOX 111-112**                    **Correspondence, 1969-1971**  
Greeting cards, letters, memoranda, telegrams, and attachments.  
Arranged chronologically.
- BOX 112-113**                    **Speeches, 1970-1971**  
Brochures, correspondence, journal and magazine articles, outlines, press releases, programs, and speeches.  
Arranged alphabetically by name of organization and therein chronologically.
- BOX 113-124**                    **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.
- 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 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 or 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 or 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 328-398

**Addition, 1939-2012**

Business and government records, correspondence, academic files, printed matter, photographs, and miscellaneous material.

Arranged in the sequence of Mueller's career progression.

BOX OV 1-OV 5

**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.

BOX DF 1

**Digital Files, 1987**

Digital files are from digital storage media removed from paper files in the course of processing. There are 146 files/ 0.00420 GB. A cross reference to the original location in the paper files is provided for each file. Request files using the Digital ID.

Arranged and described according to the series, containers, and folders from which the items were removed.

# Container List

<i>Container</i>	<i>Contents</i>
BOX 1-16	<b>Family Papers, 1876-1983</b>
BOX 1-6	<b>Correspondence, 1936-1983</b> 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 "C" miscellaneous, 1940-1954, 1966-1974, 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 Hyvonen, Randall Linley and Karen Ann (daughter and son-in-law), 1967-1983, undated <a href="#"><u>See also Container 3, Mueller, Karen Ann</u></a> (3 folders)
BOX 2	"H" miscellaneous, 1941, 1960-1976, undated Jackson, Gail Patrick, 1971-1973, undated <a href="#"><u>See also Container 6, Velde, John Ernst ("Bud") and Gail Patrick</u></a> "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 Mueller, Edwin and Ella (parents), 1936-1944, 1958-1973, undated (8 folders)
BOX 3	Mueller, Jean Elizabeth (daughter), 1958-1960, 1967-1969, undated <a href="#"><u>See also Container 5, Porter, James Martin and Jean Elizabeth</u></a> (3 folders) Mueller, Joan (niece), 1972-1976, 1982, undated Mueller, John David ("Jack") and Carolyn (brother and sister-in-law), 1937-1942, undated Mueller, Karen Ann (daughter), 1958-1966, undated <a href="#"><u>See also Container 1, Hyvonen, Randall Linley and Karen Ann</u></a> (2 folders) Mueller, Lisa (niece), 1972, undated

## Family Papers, 1876-1983

### Container

### Contents

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- Mueller, Martha (aunt), 1941, 1971-1975, 1983
- 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** (4 folders)
- Mueller, Virginia Ann ("Ginny") (niece), 1975-1977, undated
- "M" miscellaneous, 1936, 1963-1974, 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
- "P" miscellaneous, 1936, 1955-1959, 1970-1974, undated
- 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
- "W-Y" miscellaneous, 1936-1937, 1953-1976, undated
- 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)

## Family Papers, 1876-1983

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- Benton School, St. Louis, Mo., 1936  
Birth records, 1941, 1948, undated  
Christmas cards, 1975, n.d  
Cotter College, Nevada, Mo., 1940, 1959-1962, undated  
Divorce, 1973-1974, undated  
DuBarry success course *See Container 16, Richard Hudnut Salon*  
*Farm Service Directory for Ohio*, circa 1949
- BOX 8**  
Financial records, 1928-1976, undated  
(10 folders)  
Household records, 1941, 1955-1956, 1965, undated  
Insurance, 1935-1940, 1967-1971, 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  
(2 folders)  
Belleville Public Schools Alumni Association, Belleville, Ill., 1906  
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  
Briner Electric Co., St. Louis, Mo., 1925, 1949-1967, undated  
Caribbean cruise, 1972  
(4 folders)  
Cheer Club, St. Louis, Mo., undated  
Christy Memorial Methodist Church, St. Louis, Mo., 1973  
City Art Museum, St. Louis, Mo., 1946-1969  
(5 folders)  
*Condensed Souvenir History of New Orleans for the Tourist*, undated  
Correspondence  
"A-B" miscellaneous, 1954, 1960-1966, 1974, undated  
Cooper, Leone, 1952-1955, undated  
"C" miscellaneous, 1951, 1966, 1971-1974  
Davis, Lynn, 1966  
Del Calzo, Nick, 1965-1966
- BOX 11**  
"D" miscellaneous, 1973-1974  
"F-G" miscellaneous, 1952-1955, 1967-1974, undated  
Hyvonen, Randall Linley and Karen Ann (son-in-law and daughter), 1967-1973,  
undated  
"H" miscellaneous, 1914, 1965, undated  
"J-L" miscellaneous, 1945-1954, 1960-1974, undated

- Mueller, G. E., 1937-1973, undated  
 (8 folders)
- Mueller, G. E. and Maude Elizabeth (wife), 1943-1971, undated  
 (2 folders)
- Mueller, Jean Elizabeth (daughter)  
 1953-1966
- BOX 12** 1967-1970, undated
- Mueller, John David ("Jack") (brother), 1942-1957, 1974, undated
- Mueller, Karen Ann (daughter), 1948-1966, undated  
 (2 folders)
- Mueller, Maude Elizabeth (wife), 1941-1972, undated
- "M" miscellaneous, 1943, 1965-1972, undated
- "N-U" miscellaneous, 1944-1948, 1955-1966,  
 1973-1974, undated
- Van Kerckvorrd, 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
- Miscellany, 1943, 1965-1970, undated
- BOX 13** National Electrical Contractors Association, 1946, 1961 *See also Oversize*  
 (2 folders)
- National Medal of Science, 1971 *See also Container 113, Awards*
- Newspaper and magazine articles, 1923, 1951-1958, 1966-1971, undated
- 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*
- 2933 Moniteau Drive, St. Louis, Mo., 1916-1939, undated *See also Oversize*  
 (2 folders)
- 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



- Scottish Rite of Freemasonry, St. Louis, Mo.  
1924-1955  
(3 folders)
- BOX 14** 1956-1971, undated  
(5 folders)  
Selective Service System, 1942  
*Songs of Our Country*, undated  
University School, Columbus, Ohio, 1950  
Vos Amies Club, St. Louis, Mo., 1968-1971, undated  
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)  
1950-1959
- BOX 15** 1961-1972, undated  
Mueller, Martha (aunt), 1963  
Mueller, William (uncle), 1935, 1942, 1951, 1959-1960, undated  
Normandy High School, St. Louis, Mo., 1933-1940, undated *See also Oversize*  
(4 folders)  
Pets, 1952-1960, undated  
Prepaid sales tax receipts, undated  
"Radio Bugs," undated  
Reading list, undated  
Residences  
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*  
3043 West Lane Key St., N.W., Washington, D.C., 1971  
3690 West Granville Rd., Worthington, Ohio, 1943-1970, undated *See also Oversize*  
(4 folders)
- BOX 16** 6600 Crestwood Lane, Worthington, Ohio, 1956-1959, undated  
(3 folders)  
Richard Hudnut Salon, DuBarry success course, New York, N.Y., circa 1944  
(5 folders)  
Rosenbaum, William Christian (father-in-law), 1971  
Selective Service System, 1944  
Travel, 1955, undated  
University of California, principles of education course, 1959

## Family Papers, 1876-1983

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Writings, undated

#### BOX 16-17

#### **University of Missouri, 1935-1939**

Address lists, awards, class notes, correspondence, drawings, grade reports, invitations, laboratory notes, photographs, programs, song sheets, stride and slope scales, tests, and other material.

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

#### BOX 16

Address lists, undated

American Institute of Electrical Engineers, 1938

Awards, 1937-1939

Class and laboratory notes, 1939, undated

Class schedules, 1935-1938, undated

Columbia, Mo., cyclotron, undated

Commencement, 1939

Correspondence

Sept. 1936-June 1939

(2 folders)

#### BOX 17

July-Aug. 1939, undated

Drawings, MEG-47, undated

Federal Communications Commission, 1935, undated

Grade reports, 1939, undated

Invitations, 1938-1939

Programs

Kansas City, Mo., Philharmonic Orchestra, 1936

Varsity football, 1936

Song sheet, undated

Stride and slope scales, undated

Tests, undated

Yearbooks, 1936-1937

(2 vols.)

#### BOX 17-18

#### **Purdue University, 1939-1940**

Class schedules, correspondence, directories, grade reports, laboratory notebooks, photographs, programs, and other material.

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

#### BOX 17

Class schedule, 1940

Commencement, 1940

Correspondence, 1939-1940, undated

Final oral examination, 1940

Grade report, 1940

Laboratory notebook, 1940

(2 folders)

## Purdue University, 1939-1940

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BOX 18	Staff directory, 1939-1940
BOX 18-19	<b>Bell Telephone Laboratories, 1888-1946</b> Address lists, bibliographies, correspondence, laboratory notes, lists, photographs, printed matter, reports, writings, and other material. Arranged alphabetically by topic or type of material and therein chronologically.
BOX 18	Address lists, undated Set no. 1 Set no. 2 Set no. 3 Set no. 4 Set no. 5 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 <i>See also Classified</i> K/z and Z magnetrons, 1940-1946, undated Laboratory notes circa 1942-1946 (3 folders)
BOX 19	Undated (2 folders) List of contributors, undated Missouri School of Mines, Rolla, Mo. <i>See same container, University of Missouri</i> 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, <i>Electricity: Theoretically and Practically Considered by the Aid of Thermo-electricity</i> , 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 <i>See also Classified</i> (3 folders)

## Bell Telephone Laboratories, 1888-1946

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"Uni-Velocity Electron Stream," 1940, undated

#### BOX 19-26

#### 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*

Bardeen, John, et al., "The Transistor and Related Experiments," 1948

Becker, J. A., et al., "Transistors," 1949

*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"*

(5 folders)

665, 1949-1953, undated

707, 1952-1956, undated

(1 folder)

#### BOX 21

(1 folder)

743, undated

781, 1947

801, 1948

834, 1948-1953, undated

(2 folders)

Math course 721, undated

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

(2 folders)

Physics courses

436, 1947

727, 1948, undated

(3 folders)

728, undated

(2 folders)

	740, undated (1 folder)
BOX 22	(2 folders)
	741 Midterm examination, 1948 Notes, undated Problems, undated
	742, 1948
	824, undated
	840, 1947, undated
	Unidentified, 1945-1946, undated (5 folders)
BOX 23	College of Engineering Committees, 1956-1957 Electrical Engineering Building dedication, 1952 Ten-year plan, circa 1954 <i>Columbus Digest, 1797-1947</i> , 1947 Commencement, 1951 Communication satellites, undated <i>See also Classified</i> Cook, Wendell Arnold, "Electron Emission from Cesium Coatings in a Hollow Beam Cathode," 1954 Correspondence, 1946-1958, undated (3 folders) Cosgriff, Robert L., untitled study of nonlinear servo mechanisms, 1953 (2 folders) Crystal rectifiers <i>See Container 25, Varistors</i> Dielectric antennas, 1951-1956 Dielectrics, 1956 Directories, 1955-1958, undated Doppler radar, 1956-1957, undated <i>See also Oversize</i> Dovap system, 1956-1957, undated <i>See also Classified</i> (2 folders) 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 Flame attenuation program <i>See same container. High frequency rate system</i> Frequency modulation (FM) television, 1944, undated General Electric Co., Syracuse, N.Y., 1955-1956, undated Hartig, H. D., "Charts for Transmission Line Problems," 1931 High frequency rate system, 1956, undated <i>See also Classified</i> Hollow beam cathode General, 1955, undated Noise diodes, 1952-1954, undated (2 folders) Plots, 1957 IBM 705 electronic data processing machine, undated

BOX 25

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  
Moll, John L., "Analysis of Magnetron Oscillations at Low Magnetic and Electric Fields," 1952  
(2 folders)  
Mushiake, Yashuto, "A Theoretical Analysis of the Multi-Element End-Fire Array with Particular Reference to the Yagi-Uda Antenna," undated  
National Security Agency, Washington, D.C., 1955, 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  
Ryder, E. J., et al., "Positive Holes and the Transistor," 1949  
"Saga of the Meramac; A Drama of Conservation," 1953  
Schneider, Herb, undated  
Semiconductors, undated  
Sigma Pi Sigma, undated  
Sigma Xi, 1948  
Speech, "The Engineering Manpower Shortage and Its Effects upon the Future of Engineering Education," 1957, undated  
Sturley, Kenneth Reginald, "Coupled Circuit Filters; Generalised Selectivity, Phase Shift, and Trough and Peak Transfer Impedance Curves," 1943  
Thermistors (thermally sensitive resistors), 1947  
Thompson Ramo Wooldridge, Inc., 1955-1958  
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

- "A Broadside Dielectric Antenna," 1952  
"Dielectric Antennas"  
Abstract, 1957  
Drafts, 1951  
(2 folders)  
BOX 26 (1 folder)  
Final, 1951  
(2 folders)  
"The Gammicon," 1955  
"Introduction to Non-Linear Circuits," 1952 *See also Containers 20-21, Electrical engineering course 634*  
(3 folders)  
"Low Field Magnetrons at Millimeter Waves," 1957-1958, undated  
"Millimeter tubes," 1947, 1955  
"Non-Linear Circuits," undated
- BOX 26-39 **Space Technology Laboratories, 1957-1963**
- BOX 26-29 **Correspondence, 1957-1963**  
Greeting cards, letters, memoranda, telegrams, and attachments.  
Arranged alphabetically by name of correspondent and therein chronologically.
- BOX 26 "A" miscellaneous, 1960-1963  
"Ba-Be" miscellaneous, 1959-1963, undated  
(2 folders)
- BOX 27 "Bi-Bu" miscellaneous, 1958-1963  
(2 folders)  
"C-J" miscellaneous, 1957-1963, undated  
(12 folders)
- BOX 28 "K-Q" miscellaneous, 1958-1963, undated  
(13 folders)  
"Ra-Re" miscellaneous, 1957-1963
- BOX 29 "Ri-Ru" miscellaneous, 1958-1963  
"S-Z" miscellaneous, 1957-1963  
(9 folders)  
Multiple recipients (i.e., addressed to three or more persons), 1958-1963
- BOX 29 **Speeches, 1958-1963**  
Abstracts, correspondence, reviews, texts of speeches, and related matter.  
Arranged alphabetically by name of organization and therein chronologically.
- 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  
British Interplanetary Society, London, England, 1961

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Institute of Electrical and Electronics Engineers, San Diego, Calif., 1963  
Institute of Radio Engineers  
    Dallas, Tex., 1961  
    Denver, Colo., 1959  
    Los Angeles, Calif., 1960  
    Santa Barbara, Calif., 1959  
    Washington, D.C., 1960  
University of Michigan, Ann Arbor, Mich., 1958  
Western Electronic Show and Convention, San Francisco, Calif., 1959

#### BOX 29-38

#### 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.

#### BOX 29

Address lists, 1959-1963, undated

#### BOX 30

Advanced Aerospace Technology, Inc., proposal, undated  
Advanced Orbiting Solar Observatory (S-67), 1962  
    (2 folders)  
Advanced projects briefing, 1963  
Aerospace Industries Association of America, 1963  
Aerospace Technologies Corp. proposal, 1963, undated *See also Container 69, Defense Systems Corp. proposal*  
    (4 folders)  
American Bosch Arma Corp., 1963, undated  
American Institute of Aeronautics and Astronautics, 1963, undated  
American Rocket Society, 1959-1962

#### BOX 31

Apollo direct flight study, 1962  
Audio equipment, 1963, undated  
Awards, 1958-1962  
Bain, Robert A., "Low Frequency Noise in Range Instrumentation Systems," 1962  
Biographical material, 1962-1963, undated  
    (2 folders)  
Business cards, undated  
Capital for Technical Industries, Inc., Santa Monica, Calif., 1963  
Communication satellites  
    1958-1963  
    (5 folders)

#### BOX 32

Undated  
    (2 folders)  
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  
Democratic National Committee, Washington, D.C., 1963



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- Diaries, pocket, 1959  
Dura Corp., Oak Park, Mich., 1963, undated  
Edmundo Ros' Club, London, England, circa 1961, undated  
Employment records, 1958-1964  
Executive Car Leasing Co., Los Angeles, Calif., circa 1959  
Explorer and Pioneer satellites, 1958-1960, undated  
(4 folders)  
Financial records, 1960-1962
- BOX 33** *Flight Performance Handbook for Orbital Operations*  
1961  
(2 folders)
- BOX 34** 1962  
(3 folders)  
General Dynamics Corp., Convair Division, San Diego, Calif., 1959  
Goddard Memorial Dinner, Washington, D.C., 1963  
Guidance system control mock-up, 1958  
Harker & Co., 1962, undated  
Houston, William Vermillion, "Waves and Particles," 1960  
Huntington Beach, Calif., 1961-1963, undated  
Industrial Research Institute, New York, N.Y., 1961, undated  
Institute of Electrical and Electronics Engineers, 1963  
Institute of Radio Engineers, 1958-1960  
(2 folders)  
International Astronautical Federation  
1959-1961  
(3 folders)
- BOX 35** 1962-1963  
(2 folders)  
Larsen, Finn J., "Statement before the Military Operations Subcommittee of the House Committee on Government Operations," 1962  
Lunar excursion module, 1962  
Lunar logistics system, 1962  
(2 folders)  
Marlo Towers, New York, N.Y. *See Oversize*  
Martin Co., Denver, Colo., 1960  
McGuire, James B., et al., "The Size of the Solar System," undated  
McMahon, Allen J., "Solar and Interplanetary Medium Disturbances," 1962  
Meeting notes and transcriptions, 1963, undated  
National Aeronautics and Space Administration, Washington, D.C., 1962-1963, undated  
National Telemetering Conference, Denver, Colo., 1959  
Newspaper and magazine articles, 1958-1963  
Ohio State University, Columbus, Ohio, 1959-1963  
One Relief Fund, Los Angeles, Calif., circa 1958  
Organization and management  
General, 1963, undated  
(2 folders)

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- BOX 36**
- Other companies, 1963
    - (2 folders)
  - Space Technology Laboratories, 1958-1963, undated
    - (6 folders)
  - Pacific Semiconductors, Inc., 1963
  - Passport, 1958
  - Personnel, 1960, undated
  - Photographs, undated
  - 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
- BOX 37**
- "Saturn Systems Automation Preliminary Study Report," 1962
  - Science in Space*, 1960
  - Scientific Research Society of America, 1960
  - Security clearances, 1962-1963
  - Signature authorizations, 1959
  - Space and Missile Planning Committee, 1962
    - (2 folders)
  - Space Research and Manufacturing Corp. proposal, 1961, undated
  - STL Employees Association, 1958
  - Task force production scheduling operation, 1962
  - Travel
    - 29 Sept. 1957-9 Nov. 1959
      - (2 folders)
- BOX 38**
- 11 Nov. 1959-31 Aug. 1963, undated
    - (6 folders)
  - University of Michigan, Ann Arbor, Mich., 1959-1960
  - Winter Convention on Military Electronics, Los Angeles, Calif., 1959-1960, undated
- BOX 38-39**
- Writings, 1959-1963
    - Drafts, journal, and magazine articles.
    - Arranged alphabetically by title and therein chronologically.
- BOX 38**
- Communication Satellites*, 1962-1963
    - (4 folders)
- BOX 39**
- "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
  - "Pragmatic Approach to Space Communication," 1959-1960

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"A Report on Interplanetary Experiments," 1962  
"Satellites for Area Communication," 1962  
"The Space Competition," 1961  
"Space Investigation: Past, Present, and Future," 1959  
"A Space Navigation and Communication System," 1960  
"The Space Tracking and Navigation Network," 1960

BOX 39-110

### National Aeronautics and Space Administration, 1960-1970

BOX 39-44

### Correspondence, 1963-1969

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

BOX 39

Ackerman, Gene J., 1964-1969  
Alibrando, Al, 1964-1969  
Allen, William M., 1965-1969  
Apollo Tracking Station, Honeysuckle Creek, Canberra, Australia, undated  
Aspinall, Owen S., 1967-1969  
Atwood, John Leland, 1965-1969  
"A" miscellaneous, 1963-1969, undated  
(2 folders)

BOX 40

"B" miscellaneous, 1963-1969, undated  
(3 folders)  
Clarke, Arthur Charles, 1964-1969  
"C" miscellaneous, 1963-1969, undated *See also Classified*  
(3 folders)  
Debus, Kurt H., 1965-1969

BOX 41

"Da-Di" miscellaneous, 1963-1969, undated  
"Do-Dy" miscellaneous, 1963-1969, undated  
"E-F" miscellaneous, 1963-1969, undated  
(2 folders)  
Gwinn, William P., 1965-1969, undated  
"G" miscellaneous, 1963-1969, undated  
(2 folders)  
Humphrey, Hubert H., 1965-1968  
"H" miscellaneous, 1963-1969, undated  
(2 folders)  
"I-J" miscellaneous, 1963-1969, undated  
(2 folders)

BOX 42

Kelley, Ernestine, 1964-1967, undated  
"K" miscellany, 1963-1969, undated  
(2 folders)  
Loewy, Raymond, 1968-1969, undated  
Lovell, Bernard, 1964-1969  
"L" miscellany, 1963-1969, undated  
(2 folders)  
Maxfield, James R., Jr., 1966-1969, undated  
Miller, George P., 1964-1969, undated

	Morrow, Tom F., 1965-1969, undated
	"M" miscellaneous, 1963-1969, undated (3 folders)
BOX 43	"N-P" miscellaneous, 1963-1969, undated (4 folders)
	Robertson, Logan T., 1964-1969, undated
	"R" miscellaneous, 1963-1969, undated (3 folders)
	Schreiver, Bernard A., 1965-1969
	Smith, Margaret Chase, 1966-1969
	"S" miscellaneous, 1963-1969, undated <i>See also Oversize</i> (2 folders)
BOX 44	Teague, Olin E., 1964-1969
	Tronvig, Donald H., 1964-1969, undated
	"T" miscellaneous, 1963-1969, undated
	"U" miscellaneous, 1963-1969, undated
	Von Braun, Wernher, 1965-1969, undated
	"V" miscellaneous, 1963-1969, undated
	Webb, James E., 1963-1968
	Welsh, Edward C., 1963-1969
	"W" miscellaneous, 1963-1969, undated (2 folders)
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BOX 123	14 May 1970-27 May 1971, undated (3 folders) Social engagements, 1970-1971, undated (3 folders) Society of Naval Architects and Marine Engineers, 1970 Space Congress, Cocoa Beach, Fla., 1970, undated Space Seminar, Cape Kennedy, Fla., 1970 Spaceworld Corp., New York, N.Y., 1970-1971, undated Travel 17 June 1969-18 Aug. 1970 (4 folders)
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Alonso, Manuel, 1973-1976  
Anderson, Alexander L., 1973-1974  
Anderson, Robert H., 1972-1977  
Ash, Roy L., 1978-1979  
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Binder, Gordon M. and Adele, 1971-1981  
Bishop, John F. and Ann, 1971-1981  
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)

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Dooley, Donald A., 1971-1974  
Doolittle, James Harold and Jo, 1972-1983  
Dornan, Robert K., 1977-1982  
Doyle, Edward J., 1973-1983  
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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  
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	Harford, James J., 1972-1982
	Huddleson, Edwin E., 1971-1981
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	Johnson, Roger W. and Jan, 1978-1981
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	Ono, Kanji, 1978-1982
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	Timken, Harold A., 1973-1979
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Will, Edward W., 1971-1973  
Wilson, O. Meredith, 1971-1981  
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    (3 folders)  
Young, Donald E., 1980-1983  
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    (4 folders)  
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- BOX 131-136**      **Speeches, 1971-1983**  
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- BOX 131**      American Academy of Achievement, Salt Lake City, Utah, 1971-1972, undated  
American Academy of Gold Foil Operators, San Francisco, Calif., 1972, undated  
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American Astronautical Society  
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    Washington, D.C., 1982  
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Comision Nacional de Investigaciones Espaciales, Buenos Aires, Argentina, 1981  
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- BOX 134** Computer and Communications Industry Association, Beverly Hills, Calif., 1977  
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International Academy at Santa Barbara, Santa Barbara, Calif., 1982  
International Astronautical Federation  
Anaheim, Calif., 1976  
Paris, France, 1982  
Tokyo, Japan, 1980  
International Conference on Energy Use Management, Los Angeles, Calif., 1979  
Japanese Economic Research Council, Tokyo, Japan, 1973  
Los Angeles Council of Engineers and Scientists, Los Angeles, Calif., 1980-1981, undated  
Lunar and Planetary Institute, Houston, Tex., 1982-1983, undated  
Madrid, Spain, 1973  
Manned Space Exploration Conference, Brandeis University, Waltham, Mass., 1982  
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- BOX 135** National Foundation for Research, Athens, Greece, 1979-1981  
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- United Nations Conference on the Exploration of Peaceful Uses of Outer Space, Legal Subcommittee, New York, N.Y., 1983, undated
- United Nations Scientific and Technical Subcommittee of the Peaceful Uses of Outer Space Committee, New York, N.Y., 1974
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- 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
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Disher, John H., et al., "Skylab Contributions to the Future," "Space Industrialization," and  
"On the History of the U.S. Manned Space Flight," 1974-1977  
Dooling, David, Jr., 1971  
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Elms, James C., 1974  
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Energy crisis, 1973, undated  
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Fahlman, Scott E., et al., "Massively Parallel Architectures for AI: NETL, Thistle, and  
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- "Liquid Rocket Propulsion Technology: An Evaluation of NASA's Program," 1981
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 James Buchanan Rea, Inc., Los Angeles, Calif., 1984  
 Kistler Aerospace Corp., Kirkland, Wash., 1995  
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- BOX 293** Large Scale Programs Institute, Austin, Tex., 1984-1989, undated  
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 Lunar power system *See same container, Lunar exploration*  
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 McKenzie, Jim, 1985  
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 Missouri School of Mines, Rolla, Mo. *See Container 326, University of Missouri*  
 Murray, Bruce, "Destination Mars: A Manifesto," 1990  
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- BOX 294** National Academy of Engineering, Washington, D.C.  
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 National Aeronautics and Space Administration, Washington, D.C.  
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 "America's Next Decade in Space: A Report from the Space Task Group," 1969, 1989  
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*Issues in NASA Program and Project Management*,  
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*NASA Magazine*, 1992  
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- BOX 298** Sept. 1986-Oct. 1987  
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BOX 304	Ocean Corp., Houston, Tex., 1984-1993 (2 folders) Office of Technology Assessment, Washington, D.C. Jan.-May 1984 (6 folders)
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- BOX 309** Sept. 1993-June 1995  
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- Rogers, T. F., "A Financial-Institutional Strategy for U.S. Solar System Exploration and Settlement," 1992  
Royal Centre for Remote Sensing, Rabat, Morocco, undated  
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- Scripps Clinic and Research Foundation, LaJolla, Calif., 1985, undated  
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Zaman, Sikandar, "Building International Cooperation Through ISY," circa 1992
- BOX 328-398           **Addition, 1939-2012**  
Business and government records, correspondence, academic files, printed matter,  
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BOX 397	Printed matter, 1961-1970, 1981-2009
BOX 398	Spacehab, 1983-1987, 2007
BOX 398	Speeches by Mueller, 1969, 1983-1991
BOX 398	Shock-free supersonic aircraft
BOX 398	Miscellany, 1983-1984
BOX 398	Reports, 1982-1983 (2 folders)
BOX OV 1-OV 5	<b>Oversize, 1893-1993</b> 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 OV 1	Family Papers Correspondence



- Mueller, Maude Elizabeth (wife), 1940 ([Container 3](#))
- Subject File
- Mueller, Edwin and Ella (parents)
- National Electrical Contractors Association, 1946 ([Container 13](#))
- Residences
- 6 Villa Wood Lane, Webster Groves, Mo., 1941 ([Container 13](#))
- 2933 Moniteau Drive, St. Louis, Mo., undated ([Container 13](#))
- St. Louis, Mo., bicentennial, 1964 ([Container 13](#))
- Mueller, George and Margaretha (grandparents), 1893 ([Container 14](#))
- Normandy High School, St. Louis, Mo., 1940 ([Container 15](#))
- Residences
- 2440 Delbert Road, Columbus, Ohio, 1946 ([Container 15](#))
- 3690 West Granville Road, Worthington, Ohio, 1951 ([Container 15](#))
- Ohio State University, Columbus, Ohio
- Audio equipment, 1942 ([Container 20](#))
- Doppler radar, 1956 ([Container 23](#))
- Space Technology Laboratories, Redondo Beach, Calif.
- Subject File
- Marlo Towers, New York, N.Y., undated ([Container 35](#))
- National Aeronautics and Space Administration, Washington, D.C.
- Correspondence
- "S" miscellaneous, 1969 ([Container 43](#))
- Subject File
- Apollo Program
- Apollo 8, 1968 ([Container 53](#))
- Apollo 204, 1967 ([Container 60](#))
- Meeting notes and transcriptions
- Seamans, Robert C., 1964 ([Container 80](#))
- Multicon, Columbus, Ohio, 1968 ([Container 80](#))
- Office of Manned Space Flight
- Organization and management, 1963-1969, undated ([Containers 84-85](#))
- (3 folders)
- Program planning, 1967 ([Container 85](#))
- Organization and management, 1967-1969, undated ([Container 86](#))
- Personnel
- Applicant binders
- No. 1, undated ([Container 86](#))
- Project Gemini, 1965 ([Container 89](#))
- Saturn Program, 1967 ([Container 91](#))
- Social engagements, 1968 ([Container 96](#))
- University of Missouri, Rolla, Mo., 1966 ([Container 108](#))
- System Development Corp., Santa Monica, Calif.
- Subject File
- National Aeronautics and Space Administration, Washington, D.C.
- Apollo Program
- Apollo Soyuz Test Project, 1975 ([Container 193](#))

BOX OV 2

- 
- Skylab Program
    - General, circa 1971 ([Container 200](#))
    - Photographs, undated ([Container 221](#))
    - Space and Range Division, 1971 ([Container 225](#))
    - Travel, 1982 ([Container 235](#))
    - Valley Ventures Club, Los Angeles, Calif., 1967 ([Container 241](#))
    - White House News Photographers Association, 1972 ([Container 241](#))
  - International Academy of Astronautics
    - Subject File
      - Symposium on Space Commercialization: Roles of Developing Countries, Taipei, China, 1987 ([Container 268](#))
  - Consulting and Professional File
    - Subject File
      - International Astronautical Federation
        - Cankarjev dom Kulturni in Kongresni Center, Ljubljana, Yugoslavia, undated ([Container 288](#))
      - National Academy of Engineering, Washington, D.C., 1985 ([Container 294](#))
      - Santa Barbara County, Calif.
        - Oak Creek Canyon Ranch, 1988 ([Container 312](#))
      - Spaceweek, 1991-1993 ([Containers 317-318](#))
  - BOX OV 3 Addition
    - National Aeronautics and Space Administration
      - Desks calendars
        - 1964-1966
        - 1967
          - Jan.-Aug
          - Sept.-Dec.
      - 1968-1970 ([Container 332](#))
  - BOX OV 4
    - Organization charts, 1961-1966 ([Container 335](#))
  - BOX OV 5
    - Miscellany
      - "Integrated Space Plan," Rockwell International, 1989 ([Container 397](#))
  - 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.
  - BOX CL 1
    - Bell Telephone Laboratories, New York, N.Y.
      - Intermediate frequency transformers, 1942 ([Container 18](#))
      - Writings
        - "Propagation of Six Millimeter Waves," 1944-1945 ([Container 19](#))
    - Ohio State University, Columbus, Ohio
      - Advanced guidance program, 1957 ([Container 19](#))
      - Communication satellites, undated ([Container 23](#))
      - Dovap system, 1956 ([Container 23](#))
      - High frequency rate system, 1956, undated ([Container 24](#))
      - Improved tracker, undated ([Container 24](#))
      - Noise measurement, 1945 ([Container 25](#))

National Aeronautics and Space Administration, Washington, D.C.

Correspondence

"Ch-CI" miscellaneous, 1964 ([Container 40](#))

Subject File

Travel, 1966 ([Container 102](#))

System Development Corp., Santa Monica, Calif.

Subject File

National Research Council, Washington, D.C., 1979 ([Container 211](#))

**BOX DF 1**

**Digital Files, 1987**

Digital files are from digital storage media removed from paper files in the course of processing. There are 146 files/ 0.00420 GB. A cross reference to the original location in the paper files is provided for each file. Request files using the Digital ID.

Arranged and described according to the series, containers, and folders from which the items were removed.

**BOX DF 1**

**Addition**

G. E. Mueller Papers, database, 1987 ([Container 397](#))

Database prepared by Peter Neushul using Decathlon software as a guide for Mueller to his papers

**Digital ID:** mss 83747\_122\_001

**Digital ID:** mss 83747\_122\_002

**Digital ID:** mss 83747\_122\_003

**Digital ID:** mss 83747\_122\_004

**Digital ID:** mss 83747\_122\_005

**Digital ID:** mss 83747\_122\_006