Samuel C. Phillips Papers
A Finding Aid to the Collection in the Library of Congress

Manuscript Division, Library of Congress
Washington, D.C.
2008
Revised 2010 April

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Prepared by Karen Linn Femia and Bradley E. Gernand with the assistance of Brian McGuire and Andrew Passett
Revised by Karen Linn Femia with the assistance of Michael W. Giese
Collection Summary
Title: Samuel C. Phillips Papers
Span Dates: 1929-1990
Bulk Dates: (bulk 1958-1989)
ID No.: MSS80934
Creator: Phillips, Samuel C. (Samuel Cochran), 1921-1990
Extent: 67,200 items ; 174 containers plus 1 oversize and 1 classified ; 49.6 linear feet
Language: Collection material in English
Location: Manuscript Division, Library of Congress, Washington, D.C.
Summary: United States Air Force officer, space agency official, intelligence agency director, and defense industry executive. Correspondence, diaries, memoranda, reports, family and personal papers, and photographs documenting Phillips's career in the United States Air Force where he specialized in ballistics and weapons research; as director of Project Apollo (U.S.), the lunar landing program of the National Aeronautics and Space Administration; and as an executive with TRW Inc. and other defense contracting firms. Includes material on the Minuteman intercontinental ballistic missile system, atomic weapons tests, Saturn Project (U.S.) (rocket development), the Superconducting Super Collider, the Strategic Defense Initiative, and other defense and aeronautical projects.

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
Phillips family.

Organizations
Grumman Aircraft Engineering Corporation--Correspondence.
North American Aviation--Correspondence.
Project Apollo (U.S.)
Saturn Project (U.S.)
Space and Missile Systems Organization (U.S.)
TRW Inc.
United States. Air Force.
United States. National Aeronautics and Space Administration.

Subjects
Ballistic missile defenses.
Ballistics--Research.
Ballistics.
Cold War.
Defense contracts--United States.
Defense industries--United States.
Intercontinental ballistic missiles.
Launch vehicles (Astronautics)
Military weapons--Research.
Military weapons.
Minuteman (Missile)
Nuclear arms control.
Nuclear weapons--Testing.
Particle accelerators.
Particles (Nuclear physics)
Rockets (Aeronautics)
Space flight to the moon.
Space race--Soviet Union.
Space race--United States.
Strategic Defense Initiative.
Superconducting Super Collider.

**Places**
Moon--Exploration.

**Occupations**
Air Force officers.
Executives.
Public officials.

## Administrative Information

**Provenance**
The papers of Samuel C. Phillips, U.S. Air Force general, space agency director, intelligence agency director, and defense industry official, were given to the Library of Congress by his wife in 1991 and 1993.

**Processing History**
The papers of Samuel C. Phillips were arranged and described in 1996. The finding aid was revised in 2004. Revisions were also made to the collection in 2008.

**Transfers**
Items have been transferred from the Manuscript Division to other custodial divisions of the Library. Audio and video recordings have been transferred to the Motion Picture, Broadcasting, and Recorded Sound Division. Maps and charts have been transferred to the Geography and Map Division. Musical scores have been transferred to the Music Division. All transfers are identified in these divisions as part of the Samuel C. Phillips papers.

**Copyright Status**
Copyright in the unpublished writings of Samuel C. Phillips in these papers and in other collections of papers in the custody of the Library of Congress has been dedicated to the public.

**Access and Restrictions**
The papers of Samuel C. Phillips 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 security classified items 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 or reel number, Samuel C. Phillips Papers, Manuscript Division, Library of Congress, Washington, D.C.

## Biographical Note

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>1921, Feb. 19</td>
<td>Born, Springerville, Ariz.</td>
</tr>
</tbody>
</table>
1942 B.S., University of Wyoming, Laramie, Wyo.
Married Betty Anne Brown
Pilot trainee, United States Army Air Corps flying school

1943-1945 Pilot, United States Army Air Corps, England

1945-1947 Military officer, European theater headquarters, Frankfurt, Germany


1950 M.S., University of Michigan, Ann Arbor, Mich.

1950-1951 Guided missile research and development project engineer, Wright-Patterson Air Force Base (Ohio)

1951 Electronics officer, joint task group 342, Operation Greenhouse atomic weapons tests, Eniwetok atoll

1952 Chief, bomber defense branch, Armament Laboratory, Wright-Patterson Air Force Base (Ohio)

1952-1954 Assistant chief and chief of operations, Armament Laboratory, Wright-Patterson Air Force Base (Ohio)

1954-1955 Chief, B-52 weapon system project office, Wright-Patterson Air Force Base (Ohio)

1955 Chief, bombardment aircraft division, Wright-Patterson Air Force Base (Ohio)

1955-1956 Chief, fighter missiles and drones division, Wright-Patterson Air Force Base (Ohio)

1957-1959 Logistics chief and materiel director, United States Air Force Strategic Air Command, England

1959-1963 Director, Minuteman intercontinental ballistic missile program, Los Angeles, Calif.

1963 LL.D., University of Wyoming, Laramie, Wyo.

1963-1964 Vice commander, ballistic systems division, Norton Air Force Base (Calif.)

1964 Deputy director, Project Apollo (U.S.), manned lunar landing program, National Aeronautics and Space Administration, Washington, D. C.

1964-1969 Director, Project Apollo (U.S.), manned lunar landing program, National Aeronautics and Space Administration, Washington, D. C.

1969-1972 Commander, Space and Missile Systems Organization (U.S.), Los Angeles, Calif.

1972-1973 Director, United States National Security Agency, Fort George G. Meade (Md.)


1978-1979  Consultant, National Aeronautics and Space Administration
1980  Member, National Aeronautics and Space Administration transition team, Office of the President-Elect
1984-1987  Member, Titan III independent review panel
1986-1989  Member, National Aeronautics and Space Administration Management Study Group, National Academy of Public Administration
1987  Member, National Aeronautics and Space Administration Advisory Council
1987-1988  Member, strategic defense management review panel
1990, Jan. 31  Died, Palos Verdes Estates, Calif.

Scope and Content Note

The papers of Samuel Cochran Phillips (1921-1990) span the years circa 1929-1990, with the bulk of the items concentrated in the period 1958-1989. Phillips witnessed several of the seminal events of the post-World War II Cold War period, including Soviet consolidation in Europe and American atomic weapons testing in Oceania. He assisted in developing guided missile and other armament technologies and directed the nation's intercontinental ballistic missile and manned lunar landing programs. He ended his career as an executive of TRW Inc., a large defense firm. Phillips's papers are organized into the following series: Personal and Family Papers, United States Air Force, National Aeronautics and Space Administration, Subject File, Classified, and Oversize.

Phillips's papers include correspondence and memoranda, reports, and diaries documenting the competition which characterized relations between the United States and the Soviet Union during the Cold War. They are more complete for the latter portion of his career, offering significant detail concerning the Minuteman intercontinental ballistic missile system, the National Aeronautics and Space Administration (NASA) manned lunar landing program, and Phillips's work at TRW Inc., a prominent defense contractor. The papers are less substantial regarding his association with atomic weapons tests at Eniwetok atoll in 1951 and his work establishing the B-52 long-range bomber as a viable armament. They contain almost no information regarding his brief stint as National Security Agency chief. Phillips's “systems management” technique, an administrative hallmark for which he and the programs he administered became well known, figures prominently in the Minuteman and NASA materials.

The papers are chiefly professional in nature, but a Personal and Family Papers series includes material related to general family matters such as finances, homes, hobbies, automobiles, friends, and the marriages of Phillips's daughters. Photographs record the infancies and youths of the daughters as well as other family members and special events. Of particular interest are several oversize electrical and schematic diagrams by Phillips of the family's home in Washington, D. C., illustrating his attention to detail and holistic view of systems and organizations.

Phillips served in the United States Air Force (USAF) until he became a private sector defense official. All papers related to the USAF except those regarding his assignment to NASA appear in the USAF File. Documentation regarding Phillips's role developing early guided missile technology, drone aircraft, F-111 and A-10 combat aircraft, and B-52 long-range bomber aircraft is sparse. Documentation regarding the development and implementation of the Minuteman intercontinental ballistic missile is substantial, however, and that regarding the Titan III launch system is only slightly less so. Phillips's post-NASA assignments made use of his management and administrative abilities as he became commander first of the Space and Missile Systems Organization and then of the Air Force Systems Command. The files from these latter
assignments are administrative in content, reflecting the nature of his postings. Phillips made extensive use of chronological files consisting of correspondence and memoranda regarding many subjects. Additionally, he kept detailed notes regarding most subjects and often interfiled correspondence or memoranda with these notes.

The NASA File constitutes the bulk of the papers. Phillips directed the Project Apollo (U.S.) component of the manned lunar landing program which was charged with developing the spacecraft to transport astronauts from earth's orbit to the moon. In the early years of the lunar landing endeavor, however, much of the emphasis was on a related component, Saturn Project (U.S.), which involved developing the massive rockets necessary to boost astronauts and their spacecraft into orbit. The NASA File traces the developmental focus as it shifted from Saturn to Apollo. Saturn files detail rocket and launch system components, systems, tests, and flights. Apollo files detail spacecraft components, systems, tests, flights, lunar exploration and operations, and personnel and administrative issues. The files include correspondence with corporate contractors who designed, built, or operated program and hardware components, such as North American Aviation (now Rockwell International) and Grumman Aircraft Engineering Corp. (now Northrop Grumman). An Apollo spacecraft test which killed three astronauts in 1967 is extensively documented. Later files from Phillips's role as consultant and advisor to the space agency include a report he authored regarding the efficiency of agency management.

Papers regarding Phillips's association with institutional and nongovernmental organizations make up the Subject File. A major part of this file relates to the administration and activities of TRW Inc., the defense firm which Phillips joined after his retirement from the air force. Two of TRW Inc.'s most lucrative government contracts during the 1980s concerned the United States Dept. of Energy's superconducting super collider project and the United States Dept. of Defense's Strategic Defense Initiative. Many of these files address the administration and conduct of both contracts.

Organization of the Papers

The collection is arranged in six series:

- Personal and Family Papers, circa 1929-1975
- United States Air Force, 1942-1989
- National Aeronautics and Space Administration, 1963-1990
- Subject File, 1942-1990
- Classified, 1970-1973
- Oversize, 1942-1968
# Description of Series

<table>
<thead>
<tr>
<th>Container</th>
<th>Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOX 1-5</td>
<td><strong>Personal and Family Papers, circa 1929-1975</strong></td>
</tr>
<tr>
<td></td>
<td>Correspondence, photographs, and printed matter regarding Phillips, his</td>
</tr>
<tr>
<td></td>
<td>wife, their respective families, and their children.</td>
</tr>
<tr>
<td></td>
<td>Arranged alphabetically by type of material and thereunder chronologically.</td>
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<tr>
<td>BOX 6-39</td>
<td><strong>United States Air Force, 1942-1989</strong></td>
</tr>
<tr>
<td></td>
<td>Correspondence, memoranda, reports, notes, and related material</td>
</tr>
<tr>
<td></td>
<td>regarding the development and implementation of air-based defensive</td>
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<td></td>
<td>and offensive weapons systems.</td>
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<td>Arranged alphabetically by subject and thereunder chronologically.</td>
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<tr>
<td>BOX 40-131</td>
<td><strong>National Aeronautics and Space Administration, 1963-1990</strong></td>
</tr>
<tr>
<td></td>
<td>Correspondence, memoranda, reports, notes, minutes of meetings, maps,</td>
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<tr>
<td></td>
<td>charts, clippings, and other printed matter.</td>
</tr>
<tr>
<td></td>
<td>Arranged chronologically by year and thereunder alphabetically by subject.</td>
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<tr>
<td>BOX 131-174</td>
<td><strong>Subject File, 1942-1990</strong></td>
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<tr>
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<tr>
<td></td>
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<tr>
<td>BOX CL 1</td>
<td><strong>Classified, 1970-1973</strong></td>
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<tr>
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<td>Classified material consisting mostly of correspondence, memoranda,</td>
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<td>reports, and printed matter.</td>
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<td>from which the items were removed.</td>
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<td>BOX OV 1</td>
<td><strong>Oversize, 1942-1968</strong></td>
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<tr>
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<td>Oversize material consisting mostly of architectural drawings,</td>
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<td>artwork, certificates, photographs, and printed matter.</td>
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<td>Organized and described according to the series, folders, and boxes</td>
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<td>from which the items were removed.</td>
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# Container List

<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
</tr>
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</table>
| BOX 1-5   | **Personal and Family Papers, circa 1929-1975**  
 Correspondence, photographs, and printed matter regarding Phillips, his wife, their respective families, and their children.  
 Arranged alphabetically by type of material and thereunder chronologically. |
| BOX 1     | Address books and cards, 1962, circa  
 Artwork by Betty Anne Brown, circa *See also Oversize*  
 Automobiles  
 Biographical, 1945-1974  
 Clippings, 1954-1973, circa  
 Correspondence  
 Family  
 Brown family, 1945-1974, circa  
 Cochran, Gertrude E. (grandmother), 1949-1973, circa  
 Culpepper, Donnie Dale (son-in-law), 1965-1966  
 Norcross and Phillips families, 1966, circa  
 Phillips  
 Betty Anne (wife), 1974  
 Connie (sister), 1949  
 Dana Kay (daughter), 1963-1971, circa  
 Janie Dale (daughter), 1961-1966, circa  
 Kathleen (daughter), 1960-1970, circa  
 Mabel (mother), 1949-1975  
 (2 folders)  
 Miscellaneous, 1945-1989, circa  
 (2 folders) |
| BOX 2     | (10 folders)  
 Financial papers  
 Banks, 1971  
 Miscellany, 1951-1988  
 Net worth, 1952-1965 |
| BOX 3     | (2 folders)  
 Planning, 1947-1969, circa  
 Salary, 1942-1963  
 Hunting and fishing, 1974, circa  
 Identification and membership cards, 1942-1959  
 Medical, 1945-1974  
 Miscellany, 1946-1975, circa  
 Move from England to United States, 1959  
 Notes, 1951-1975, circa  
 Papers of other family members, 1943-1975  
 Personal goods, shipping, 1959-1970 |
Photographs
- Brown family, circa 1929-1944, circa
- Non-family and unidentified, 1945-1971, circa
- Phillips family, 1942-1972, circa
  (1 folder)

**BOX 4**
(5 folders)

Residences
- California, 1962-1972, circa
- On base housing, 1960-1965
- Washington, D.C., 1964-1972, circa *See also Oversize*
  (4 folders)

**BOX 5**
(6 folders)

School and colleges
- Cheyenne High School, Cheyenne, Wyo., and University of Wyoming, Laramie, Wyo., 1938-1942
- University of Michigan, Ann Arbor, Mich.
  - Class notes, 1949, circa
  - Correspondence, etc., 1948-1951
- Social events with directional maps, 1972-1974, circa
- World War II rations and pay cards, 1945, circa

**BOX 6-39**

**United States Air Force, 1942-1989**
Correspondence, memoranda, reports, notes, and related material regarding the development and implementation of air-based defensive and offensive weapons systems.
Arranged alphabetically by subject and thereunder chronologically.

**BOX 6**

A-10 Fairchild combat aircraft production problems
- Complaint by John R. Smith, 1974
- DSARC (Defense Systems Acquisitions Review Council), review, 1974
- Letter to John C. Stennis, 1974
- Reports by
  - Ellis, R. H., 1974
    (4 folders)
  - Rogers, F. M., 1974
- Reprimands, 1974
- Aerospace Corp., 1971
- Air Research and Development Command tours, 1954
- Air Staff organizational chart, 1975
- Air War College lecture, 1974
- Airmen aides, 1970-1974
- Armed Forces Management Association, 1968-1970
- B-1 bomber aircraft, 1973-1974
  (2 folders)

**BOX 7**

B-57 light bombardment aircraft, 1954-1955, circa
Ballistic Systems Division
<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
</tr>
</thead>
</table>
| General   | Change of command, 1962  
Correspondence, 1959  
Financial  
  Procurement management system, 1963  
  Vouchers, 1959-1964  
    (5 folders)  
Miscellany, 1963  
Uniformed officer record, 1962-1963  
Minuteman intercontinental ballistic missile  
  Aerospace Division photographic record, circa  
    (1 folder)  
    (2 folders)  
Agendas, 1961-1963, 1970  
Award recommendations, 1961-1964  
Base visits, 1962-1963  
Briefings, 1962-1963, circa  
Briefings and temporary tours of duty, 1959-1962  
Calendars, 1961-1963  
Cartoons and caricatures, 1961-1963, circa  
Chronological files  
  BSQ 275, 1963  
BOX 8  
BSQE #1 64-14, 1962-1963  
    (2 folders)  
General, 1961-1963  
    (5 folders)  
BOX 9  
(3 folders)  
Contractors, list of, 1963  
Correspondence  
  General, 1960-1964, 1972  
  Minuteman, 1960-1963  
    (3 folders)  
Costs  
  Correspondence, 1961-1963  
    (2 folders)  
BOX 11  
Notes, 1961-1963, circa  
    (4 folders)  
Reports and other documents, 1962-1963  
Defense of Minuteman against Soviet missiles, 1970  
Films, 1962  
Guidance systems, 1960-1967  
    (2 folders)  
BOX 12  
(2 folders)  
Interviews, 1962-1963  
Leave, 1960-1963
<table>
<thead>
<tr>
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| BOX 13 | Letters of appreciation, 1961-1963  
      Malstrom Air Force Base, Mont., 1962-1963  
      McNamara, Robert S., 1961-1963  
      Miscellany, 1961-1963, 1973  
      Missiles  
      Atlas, 1961  
      Minuteman, 1960-1963, 1971  
      (1 folder)  
      Nike Zeus, 1963  
| BOX 14 | News  
      Clippings  
      General, 1960-1971  
      (6 folders)  
      Lists of, 1960-1962  
| BOX 15 | Releases  
      Ballistic Missile Division, 1960-1963  
      Contractors, 1960, circa  
| BOX 16 | Not-for-profit corporate participation, 1963  
| BOX 17 | Notes  
      General 1961-1964, circa  
      (8 folders)  
| BOX 16 | Orders, 1959-1963  
| BOX 16 | Organizational charts, 1962, circa  
| BOX 16 | Photographs, 1959-1972 *See also Oversize*  
      (7 folders)  
| BOX 16 | Plant dedications  
      General, 1961  
      Plant 77 opening, Ogden, Utah, 1962  
| BOX 17 | Plant 78 opening, near Brigham City, Utah, 1962  
      Plant 81, Bacchus, Utah  
      Groundbreaking, 1961  
      Opening, 1962  
| BOX 17 | Press  
      Conferences, 1962-1963  
      Tour, Edwards Air Force Base, Calif., 1960  
| BOX 17 | Printed matter, 1961-1976  
      (2 folders)  
| BOX 17 | Problems, 1962  
| BOX 17 | Procurement  
      Boeing Co., 1961-1963  
| BOX 17 | Defense Department conference, 1962  
| BOX 17 | Miscellany, 1958-1974  
      (2 folders)  
| BOX 17 | Reports and reviews, 1961-1962, 1970  
| BOX 17 | Site security, 1962-1963
Speaking engagements
   American Rocket Society, 1962, Jan. 24
   Institute of the Aerospace Sciences, 1962, Mar. 21
   Whiteman Air Force Base, Mo., 1962, Apr. 14
   Autonetics, 1962, Oct. 2
   Cheyenne group visit, Warren Air Force Base, Wyo., 1963, Apr. 19
   Presentation of missile to city of San Bernardino, Calif., 1963, July 22

Speeches and writings by others, 1960-1963, circa
   (1 folder)
   (1 folder)

BOX 18
   Staffing, 1962-1963, circa See also Oversize
   (3 folders)

Systems management
   Miscellany, 1957-1964, circa
   (3 folders)

BOX 19
   Monterey, Calif., meeting follow through, 1962
   Rubel, John H., viewpoints, 1961-1962
   Taylor, Maxwell D., “overkill” statement, 1962
   Television interview with Gale McGee, 1962
   Tenth anniversary, circa 1971
   Thiokol Chemical Corp.
   Miscellany, 1961-1962
   Solid Ground, 1962-1963
   Travel orders, 1959-1963
   Twenty-fifth anniversary, 1987
   Uniform evaluation, 1962, circa
   Value engineering, 1961-1964
   (4 folders)
   (1 folder)

BOX 20
   War games, 1962
   (2 folders)
   Wing II, 1963
   Titan III launch system
   Independent panel reviews, 1986-1987
   (4 folders)

BOX 21
   (6 folders)

BOX 22
   (6 folders)

BOX 23
   Photographs, circa
   Program status report, thirteenth flight, 1969
   Task Group report to Secretary of Defense, 1963
   (2 folders)
   Beep channel coding methods for remote control systems, 1951
   Biographical, 1954-1963
   Brigadier General Screening Board, 1974-1975
   (2 folders)
   Civilian scientists' promotions, 1973
“Corona” Commanders’ Conferences, 1973-1975
(3 folders)

BOX 24
Defense Supply Agency, 1975
(2 folders)

Education
   Aerospace physiological training, [1952]
   Air Command and Staff School, 1949-1951
   Air Force Management Manpower Training Program, 1952-1953
      (3 folders)
   Certificates, 1953-1958
   Graduate training applications, 1947-1948
   Industrial College of the Armed Forces, 1959
   Special Weapons Orientation Course, 1951
   USAF Institute of Technology, 1948-1950

European trips and air shows
   Air force visits, 1974-1975
   Farnborough International ’74 air show, Farnborough, England, 1974

BOX 25
   Paris Air Show, Paris, France, 1975
      (2 folders)
   F-5A fighter-trainer aircraft, 1963
   F-111 combat aircraft, cost overruns, 1972-1974
   Flight pay legislation, 1973
   General Officers Selection Board, 1968-1973 See also Classified
      (2 folders)
   “A Guide for Professional Reading by Air Force Officers;” 1950
   Hage, Gregg, 1974-1975

BOX 26
   Hinds, John, Ace in the Hole, draft, circa
   Joint Logistics Commanders meetings, 1974-1975
      (5 folders)
   Leadership and command, 1946-1975
   LeMay, Curtis E., interview, 1963
   Martin, [?], American Institute of Aeronautics and Astrophysics paper, 1972 See Classified
   Miscellany, 1960-1985, circa
   Office of Special Investigations, re O’Neil, 1971
   Operation Greenhouse, 1950-1952, circa

BOX 27
   Oral histories
      Air Interdiction in World War Two, Korea and Vietnam, 1985
      Cosby, J. T., 1973-1974
   Orders and related material
      Europe, 1945-1947
      United States and Europe, 1948-1959
   Permanent Brigadier General/Major General and Temporary General selection boards, 1970-1974
      (2 folders)
   Pilot training and qualification
United States Air Force, 1942-1989

Container

Contents

Correspondence, tests and results, and notes, 1943-1958  
(2 folders)
Printed matter, 1941-1966  
(1 folder)

BOX 28
Postretirement correspondence, 1980-1989  
(5 folders)

BOX 29
Promotion and congratulatory letters  See also Oversize
Correspondence, 1958-1973  
(2 folders)
Photographs, 1961-1968  
(2 folders)
Records transferral, circa 1976
Retired generals rosters, 1975-1982
Retirement, 1975  
(3 folders)
Rockwell International, special AFSATCOM on-satellite test, circa 1960s
Schultz, Kenneth W., retirement, 1975
Scientific Advisory Board, 1957, 1968-1977  
(2 folders)

BOX 30
Senior statesmen symposiums, 1976-1987  
(3 folders)
Service cards, 1952-1967, circa
Seventh Air Division, Strategic Air Command
Base visits, 1958
Correspondence, 1956-1959
Miscellany, 1958-1959, circa
Notes, 1957-1958
Orders and related material, 1956-1958
Reports, 1958
Sixth Air Force Academy Assembly, United States Air Force Academy, Colorado Springs, Colo., 1964
Space and Missile Systems Organization (SAMSO)
Agendas, 1970-1971
Appointment books, 1970-1972  
(1 folder)

BOX 31
(3 folders)
Base visits, 1970-1971
Brochure, 1968-1970
Canton Island, Phoenix Islands, importance of, 1971
Change of command, 1969  
(3 folders)

BOX 32
Correspondence, 1969-1972  
(3 folders)
Inter-American Chiefs Conference, 1970
### Container | Contents
--- | ---

Kirtland Air Force Base, N.Mex., and Los Alamos, N.Mex., visit, 1971
Mayors tour, 1972
Miscellany, 1970, circa
Missiles, 1970-1972
News clippings, 1969-1972
Notes, 1969-1972

(7 folders)
Officers, 1970-1972

**BOX 33**
Organizational chart, 1969
Packard, 1970
Photographs, 1970-1973
Procurement, 1969-1971, circa
Program reviews, 1970-1971
SAMSO Advisory Group, 1970
SAMSO, 1969-1972
Telephone book, 1970

Space Division Advisory Group
Meetings
Vandenberg Air Force Base, Calif.
Background, 1983-1986
Correspondence, 1987
Meeting manual, 1987

Various, 1985-1987
Notes, 1986-1987
Reports, 1983-1987

Space Transportation System, 1974

Speaking engagements
Air Force Commanders' Conference, 1973

**BOX 34**
Armed Forces Staff College, Norfolk, Va., 1974


Systems Command
Appointments, 1974-1975
Arnold Engineering Development Center, 1974
Base visits, 1974
Briefings, 1974
Budgets, 1975
Change of command, 1987
Commanders conference, 1969
Correspondence, 1971-1975

(3 folders)

European Office of Aerospace Research and Development, 1974
Management conference
Newsletters, 1962
Proceedings, 1962

(1 folder)

**BOX 35**

(2 folders)

Miscellany, 1970-1974, circa
United States Air Force, 1942-1989

Container        Contents

Missile firings over public lands, 1974
Newsletter, 1975
North American Air Defense Command (NORAD), Cheyenne Mountain, Colo., 1974
Notes, 1973-1975, circa
   (4 folders)
Personnel, 1973-1975
Procurement, 1965-1975
Program reviews, 1965, 1973-1975, circa

BOX 36
Senior officer rosters, 1961-1964
   (2 folders)
Staffing, 1972-1975
Systems management, 1962-1974
   (5 folders)
Telephone numbers, 1973-1975, circa

BOX 37
Weapon systems effectiveness, 1965, 1974
Systems Program Office, Systems Program Management Course
   Course information, 1964
   Phillips's presentations
      Background material, circa 1962-1963
         (2 folders)
      Correspondence, 1963
      Notes, 1962-1963
      Students, circa 1963
      Teaching file, 1962
         (2 folders)
   Program regulations, 1958-1962
   TIPI program (computer software), 1975

BOX 38
“Vulcan's Forge,” history of Air Force Systems Command,
   1985-1986
   (2 folders)
World War II
to the Secretary of War,” 1945, 1975
   Awards, citations, and commendations, 1944-1945
   Miscellany, 1942, circa
   Orders and related material, 1942-1945
      (4 folders)
   384th Fighter Squadron, 1944-1945, circa
   Wright-Patterson Air Force Base, Ohio
   Anticommunist indoctrination, 1957
   Civilian scientists' employment problems at base, 1946
   Correspondence, 1953-1955

BOX 39
Engineering Division, 1950, circa
Leadership and command, 1951-1953
Notes, 1952-1956, circa
Officer effectiveness report guidelines, 1950-1953
Orders and related material, 1950-1957
Organizational material, 1953-1954
Reports, 1950, 1956
Research and development, 1950-1956, circa
YR-17 combat aircraft
Ceremonies, 1974
Correspondence, 1974
Flight test progress, 1974

National Aeronautics and Space Administration, 1963-1990
Correspondence, memoranda, reports, notes, minutes of meetings, maps, charts, clippings, and other printed matter.
Arranged chronologically by year and thereunder alphabetically by subject.

1963
Manned Lunar Landing Program
   Organization and management
      Project Apollo, spacecraft development plan, terminology
   Space and aeronautical activities
   Study report
   United States Air Force, Phillips's assignment to NASA

1964
Guide to NASA
Manned Lunar Landing Program
   Administrative structure
   Briefings for
      Joint chiefs of staff
      Seamans, Robert C., Jr.
      Webb, James E.

Capsule summary of program
Chronological file
Configuration management
   Manual
      Provisional report by North American Aviation
         (2 folders)
      Symposium, Feb. 24-28
      System model by North American Aviation

Congratulatory letters
Contractors, subcontractors, and vendors
Cost reduction program
Daily diary
Defense Department
Defense Weapon Center management school
Executives meetings
   (3 folders)
General correspondence

Interviews
Inventions and Contributions Board
Invitations
Joint operations group
Lunar Orbiter
Manned space flight program management council
North American Aviation
Notes
(3 folders)
Organization and management
(3 folders)
Personnel
Civilian
Military
Personnel positions request
Correspondence and reports
BOX 44
Manpower requirements
(2 folders)
Position vacancies
Staffing patterns
Presidents' Science Advisory Committee
Program managers' visits to
Douglas Aircraft Co.
Douglas Aircraft Co. and North American Aviation
Manned space flight centers
Program status reviews
Program summary
BOX 45
Project Apollo
Apollo Development Program
Bellcomm
Communications
Cost analyses
Fuel cells
Guidance systems
Instrumentation aircraft
Lunar Excursion Module (LEM)
Photographic capability
Reference trajectories
Reliability and quality assurance
Rescue
Test office
Project Pegasus
Project Ranger
Project Saturn
Flights
Saturn I
No. SA-5
No. SA-6
BOX 46

No. SA-7
Saturn IB
No. 203
No. 206
Launch complexes
(2 folders)
Launch vehicles
Propulsion systems
Stage systems
S-IC
S-II
S-IV
S-IVB
Transportation by air and sea
Vehicles
Saturn I
Saturn IB
Saturn V

Report, “Mode Comparison”
Science and Technology Advisory Committee
Systems management
TRW Inc.
Travel vouchers

Panel discussions
Apr. 2, Sixth Air Force Academy assembly, Colorado Springs, Colo.
Sept. 24, joint meeting, National War College and Industrial College of the Armed Forces, Washington, D.C.

Speeches by
Phillips
June 5, Civil Engineers School, Wright-Patterson Air Force Base, Ohio
July 6, System Program Management Course, School of Systems and Logistics, United States Air Force, Wright-Patterson Air Force Base, Ohio
Aug. 5, Defense Science Seminar, University of California, Los Angeles, Calif.

Others
Mueller, George E.
Webb, James E.

United States Air Force
Cooperative projects
Phillips, Samuel C.
Assignment to NASA
Flight record
Personal matters
Relationship with NASA

BOX 47
United States Navy
POLARIS missile system management, presentation to NASA, Apr. 29

1965
Commissioning, Von Steuben (submarine), Newport News, Va.
Manned Lunar Landing Program
Applications
Briefings for
Air Council
Air Force
Army
Congress

BOX 48
Navy
Presidential Science Advisory Committee
Budget/Procurement Management System
Bureau of the Budget
Chronological file
(3 folders)

BOX 49
Contractors, subcontractors, and vendors
General
Space Technology Laboratory
Daily diary and calendar
(2 folders)
Executives meetings
(3 folders)
Flight missions

BOX 50
General correspondence
Invitations
Math model meeting
North American Aviation
Apollo program management scheme
NASA review
Correspondence and memoranda
Personnel and management
Reports
(3 folders)

BOX 51
Notes
(5 folders)
Organization and management
Overview

BOX 52
Personnel
Civilian
Military
Problem-solving meetings
Program status review
Project Apollo
Communications
Cost analyses
Gemini
Guidance and navigation
Information summaries
Landing systems
Logistics Requirement Plan

BOX 53
Lunar Excursion Module
Lunar-Orbit Rendezvous (LOR)
Management meeting, June 13-15, Myrtle Beach, S.C.
Metrology requirements
Mission reliability
Mission sequence plan
Rescue
Scheduling
Site selection
Space suit
Systems engineering
Project Gemini
Project Saturn
Flights
Saturn I
Nos. SA-8 and SA-9
No. SA-10
Countdown manual
General
Saturn 1B, No. AS-201

BOX 54
Handbooks
Launch complexes
Equipment
Ground operational support
Launch vehicles
Equipment
Stage systems, S-IVB
Vehicles, Saturn IB
Science and Technology Advisory Committee meetings
(2 folders)

BOX 55
Space and aeronautical activities
Systems management
(3 folders)
Travel vouchers
Speeches by
Phillips
Mar. 3, NASA-University Program Review Conference, Kansas City, Mo.
Mar. 9, American Institute of Aeronautics and Astronautics, Seattle, Wash.
Mar. 19, Southeastern Symposium on Government Contracts, Cocoa Beach, Fla.
Apr. 2, Zero Defects Day, General Electric, Apollo Support Department, Daytona Beach, Fla.
Apr. 3, Space Age Management Conference, Cocoa Beach, Fla.

BOX 56
June 4, Civil Engineering Center, Wright-Patterson Air Force Base, Ohio
July 1, Tennessee Valley Chapter, Air Force Association, Huntsville, Ala.
July 30, Society of Mechanical Engineers, Washington, D.C.
Oct. 19-20, First Electronic Industries Association Conference on Systems
Effectiveness, Washington, D.C.

Undated

Others
United States Air Force
General
Organization and management

1966
Calendar
Cartoons and caricatures
Manned Lunar Landing Program
Apollo Lunar Landing Symposium, June 25-27
(3 folders)
Chronological file
(2 folders)

BOX 57
Daily diary
(2 folders)
General correspondence
Interviews
Invitations
Kennedy Space Center
LTV (Ling, Temco, Vought), Inc.
North American Aviation
Briefing for Robert C. Seamans

BOX 58
General
NASA review
Space and Information Systems Division
Work with Garrett Corp. AiResearch Manufacturing Division
Notes
(2 folders)
(2 folders)

BOX 59
Office of Manned Space Flight, executive sessions
Operations Executive Group
Organization and management
General
NASA/Defense Department/Council of Defense and Space Industry Associations
Personnel
Civilian
Military
Program changes
Project Apollo
Contracts
Defense Department support of operations
Environmental data requirements

BOX 60
Executives meetings
Flight program description
Flight simulations, Apollo 204, Command and service module
Flights
Apollo 4 (Apollo-Saturn 501)
(4 folders)
Apollo 8 (Apollo-Saturn 503)

BOX 61
Guidance and navigation
(2 folders)
Lunar Excursion Module (LEM)
Operating plan
Program directives
Recovery
Reliability and quality assurance
Rescue
Solar flares
Spacecraft, operations checkout procedure
(2 folders)

BOX 62
Systems engineering
Project Gemini
Project Pegasus
Project Saturn
Flights
Saturn IB
No. 201
General
Launch operations
(3 folders)
Mission rules
No. 202
No. 203
No. 204

BOX 63
Saturn V, No. 501
Instrument unit functional requirements
Launch complexes, security
Launch schedules
Launch vehicles
Stage systems
S-IC
S-II
(3 folders)
Vehicles, Saturn V
Program specification plan
Project development plan
Surveyor orbiter program
Travel vouchers
White Sands Test Facility, White Sands, N. Mex.
Panel discussions, First Annual Logistics Symposium, Huntsville, Ala., Sept. 13

BOX 64
President’s Science Advisory Committee
   Space Technology Panel report
   Study of future space programs
Space and aeronautical activities
Technical Support Functions Committee
United States Air Force
   Biographical (“201”) file
General

1967
Manned Lunar Landing Program
   Boeing Co.
   Cartoons and caricatures
Chronological file
   Contractors, subcontractors, and vendors
      Contractor notebooks
         “Volume I: Spacecraft”
         “Volume II: Launch vehicles”
BOX 65
   Contractor support for Kennedy Space Center, Fla.
   Cost and expenditure reductions
General
   Daily diary
      (2 folders)
   General correspondence
   General Electric Co.
   Invitations
   Lunar orbiter
   Manned Space Flight Management Council
      General
         Meeting, Asheville, N. C., Aug. 3-7
News clippings

BOX 66
North American Rockwell
   Contract negotiations
      (2 folders)
   General
   Management meeting with NASA, June 29
   NASA review
      Contractual history
      General
   Notes
      (3 folders)
BOX 67
   Office of Manned Space Flight, executive sessions
Organization and management
   General
Kennedy Space Center, Fla.
Overview
Personnel
  Civilian
  Military
Pressure vessels
Project Apollo
  Apollo Program Management System
  Apollo Site Selection Board
    (2 folders)
  Command and service module (CMS)
  Contracts
  Executives meetings
  Flight mission assignments
  Flight simulations
  Apollo 204 ("Apollo 1")
    Briefings for
    Seamans, Robert C., Jr.
    Webb, James E.
  Condolences
  Congressional hearings
    House of Representatives, Committee on Science and Astronautics,
    Subcommittee on NASA Oversight
    Notes by Phillips
      (2 folders)
  (1 folder)
    Transcripts of testimony
      (5 folders)
  (1 folder)
BOX 69
  Senate, Committee on Aeronautical and Space Sciences
  Notes by Phillips
    (3 folders)
  Transcripts of testimony
    (3 folders)
  (2 folders)
BOX 70
Correspondence and memoranda
  (4 folders)
BOX 71
Data from Manned Spacecraft Center
News clippings
Poems
Press clippings
Press conference by Phillips
Review Board
  Closeout materials
    (3 folders)
  Final report appendices
    (2 folders)
<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOX 73</td>
<td>(7 folders)</td>
</tr>
</tbody>
</table>
| BOX 74    | (5 folders)  
          Interim report |
| BOX 75    | NASA response  
          (3 folders)  
          Summary of findings and recommendations  
          White paper for James E. Webb  
          Unidentified report, talking points, or testimony  
          (2 folders) |
| BOX 76    | Flights  
          Apollo 4 (Apollo-Saturn 501)  
          Briefing for James E. Webb  
          General correspondence  
          Photographs  
          General  
          (2 folders)  
          Questionable contractor workmanship  
          Rollout  
          Apollo 5  
          Apollo 7  
          Schedule |
| BOX 77    | Launch schedule  
          Lunar landing mission  
          Meeting, Houston, Tex., Dec. 13  
          Science and technology advisory committee on manned space flight, briefing and review  
          Weights and performance  
          Lunar modules  
          Mission failure contingency plan  
          Objectives and alternative objectives  
          Organization and management  
          (5 folders) |
| BOX 78    | Program directive, program schedule, and hardware planning  
          Program review  
          Management review by associate administrator  
          Task force re expenditure control and budget planning  
          Reliability and quality assurance  
          Spacecraft  
          Changes  
          Checkout  
          Flight test program  
          Weight and mission performance  
          Project approval documentation  
          Project Gemini, technology transfers to Project Apollo  
          Project Saturn  
          Flights  
          AS-501 (Apollo 4) |
Briefing for James E. Webb
Launch operations, countdown

BOX 79
Launch vehicles
Stage systems
S-II
Destacking
Fracture mechanics review
General
Vehicles, Saturn V
Records management
Science and Technology Advisory Committee on Manned Space Flight, briefings and review
Systems management
Travel vouchers
News releases and speeches, index to

BOX 80
President's Science Advisory Committee
Briefing, Nov. 1
Report, “The Space Program in the Post-Apollo Era”
Space and aeronautical activities
Speeches and addresses by Phillips
Aug. 17, 397th Bombardment Wing dining-in, Strategic Air Command, Dow Air Force Base, Maine
Undated, Appropriations committee, United States Senate, Washington, D. C.
Tracking stations
(3 folders)
United States Air Force
1968
Budget, fiscal year 1970
Manned Lunar Landing Program
Bellcomm

BOX 81
Boeing Co.
General
Technical integration and evaluation (TIE) contract
Chronological file
(4 folders)
Contractors, subcontractors, and vendors
Daily diary and calendar
(1 folder)

BOX 82
(1 folder)
General correspondence
Grumman Aircraft Engineering Corp.
Interview
Invitations
Lunar missions review
Lunar sample program, Lunar Receiving Laboratory
North American Aviation, worker tools
North American Rockwell
<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOX 83</td>
<td>Notes</td>
</tr>
<tr>
<td></td>
<td>General</td>
</tr>
<tr>
<td></td>
<td>(3 folders)</td>
</tr>
<tr>
<td></td>
<td>Manpower requirements</td>
</tr>
<tr>
<td></td>
<td>(2 folders)</td>
</tr>
<tr>
<td>Organization and management</td>
<td>General</td>
</tr>
<tr>
<td></td>
<td>Manned Spacecraft Center, Houston, Tex., and Kennedy Space Center, Fla.</td>
</tr>
<tr>
<td>Personnel</td>
<td>Civilian</td>
</tr>
<tr>
<td>BOX 84</td>
<td>Military</td>
</tr>
<tr>
<td></td>
<td>(2 folders)</td>
</tr>
<tr>
<td>Photographs</td>
<td>(2 folders)</td>
</tr>
<tr>
<td>Project Apollo</td>
<td>Apollo Lunar Surface Experiment Package (ALSEP)</td>
</tr>
<tr>
<td></td>
<td>Ascent engine selection</td>
</tr>
<tr>
<td></td>
<td>(2 folders)</td>
</tr>
<tr>
<td></td>
<td>Crew Safety Review Board</td>
</tr>
<tr>
<td></td>
<td>Directives</td>
</tr>
<tr>
<td>BOX 85</td>
<td>Executives meetings</td>
</tr>
<tr>
<td></td>
<td>(2 folders)</td>
</tr>
<tr>
<td>Flight mission assignments</td>
<td>Flights</td>
</tr>
<tr>
<td></td>
<td>Apollo 5</td>
</tr>
<tr>
<td></td>
<td>Apollo 6</td>
</tr>
<tr>
<td></td>
<td>(4 folders)</td>
</tr>
<tr>
<td>BOX 86</td>
<td>Apollo 7</td>
</tr>
<tr>
<td></td>
<td>Command and service module</td>
</tr>
<tr>
<td></td>
<td>General</td>
</tr>
<tr>
<td></td>
<td>(3 folders)</td>
</tr>
<tr>
<td></td>
<td>Photographs</td>
</tr>
<tr>
<td></td>
<td>Spacecraft</td>
</tr>
<tr>
<td>BOX 87</td>
<td>Apollo 8</td>
</tr>
<tr>
<td></td>
<td>Briefings for</td>
</tr>
<tr>
<td></td>
<td>Air Staff</td>
</tr>
<tr>
<td></td>
<td>International Business Machines Corp.</td>
</tr>
<tr>
<td></td>
<td>Joint Chiefs of Staff</td>
</tr>
<tr>
<td></td>
<td>Presidential Science Advisory Committee</td>
</tr>
<tr>
<td></td>
<td>Cartoons and caricatures</td>
</tr>
<tr>
<td></td>
<td>General</td>
</tr>
<tr>
<td></td>
<td>(4 folders)</td>
</tr>
<tr>
<td>BOX 88</td>
<td>General correspondence</td>
</tr>
<tr>
<td></td>
<td>(1 folder)</td>
</tr>
</tbody>
</table>
Maneuvering attitudes
Memoranda
Mission C
Mission commentary
(2 folders)

BOX 89
Mission decision
Mission implementation plan
Mission operation report
News releases and clippings
(4 folders)

BOX 90
Operational handbook
Photographs
Postmission notebook
Program action reviews
(2 folders)
Radiation
Spacecraft
Three-day report
Trajectories
Apollo 11, mission implementation plan

General
Guidance software
Lunar excursion module
Lunar module
General
Management reference handbook
Lunar roving vehicles
Lunar Surface Experiments Package, Snap-27 radio isotope thermoelectric generator
Lunar surface operations
Mission failure contingency plan

BOX 92
Polar Orbiting Geophysical Observatory
Program development plan
Reliability and quality assurance
Schedules
Spacecraft, design certification
Test requirements
Project Saturn
Launch vehicles
Vehicles
Saturn IB
Saturn V

BOX 93
Surveyor orbiter program
Systems management
Travel vouchers
News releases and clippings
Procurement
Semiannual reports to congress, Nineteenth, Jan.-June
<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOX 94</td>
<td>1969 Aerospace Corporation</td>
</tr>
<tr>
<td>BOX 95</td>
<td>Manned Lunar Landing Program</td>
</tr>
<tr>
<td>BOX 96</td>
<td>Contractors, subcontractors, and vendors, engineering support</td>
</tr>
<tr>
<td>BOX 97</td>
<td>General correspondence</td>
</tr>
<tr>
<td>BOX 98</td>
<td>Manned Space Flight Management Council, meeting, Washington, D.C., Sept. 9</td>
</tr>
<tr>
<td>BOX 99</td>
<td>Office of Manned Space Flight</td>
</tr>
</tbody>
</table>

Space and aeronautical activities
United States Air Force
General
Promotion in rank for Phillips

Awards and recognition
(3 folders)
Budget
(2 folders)
History of NASA
(1 folder)

BOX 96
(2 folders)

Contracts, subcontractors, and vendors, engineering support
(3 folders)
Daily diary and calendar

BOX 97
General correspondence
(2 folders)
Integrated program plans
Interviews
Invitations
Launch operations
Mail review notes

BOX 98
Manned Space Flight Management Council, meeting, Washington, D.C., Sept. 9
(2 folders)
News releases and clippings
North American Rockwell
Notes
(3 folders)

BOX 99
Office of Manned Space Flight
Executive session, Titusville, Fla., Apr. 10
Hideaway and dinner, Titusville, Fla., Mar.
Management council review
Organization and management
Personnel
Civilian

Container Contents
Military

**BOX 100**

- Post-Apollo mission study
- Program reviews
  - (3 folders)

*Project Apollo*

- Applications
- Directives
  - (2 folders)
- Environment

**BOX 101**

- Executives meetings
- Flight mission summaries, 1966-1969
  - (2 folders)

*Flights*

- Apollo 8
  - Briefing for George E. Mueller and Phillips
  - *Congressional Record*
  - General correspondence
    - (2 folders)
- (6 folders)

*BOX 102*

- receptions and public events

*BOX 103*

- Writings by Phillips
  - (2 folders)

*Apollo 9*

- Crew debriefing
- Flight plan
- General
  - (2 folders)
- Mission director's reference notebook

**BOX 104**

- Mission implementation plan
- Mission operation report
  - (3 folders)
- News releases
- Photographs
- Publications
- Readiness
  - (2 folders)

**BOX 105**

- Safety analysis

*Apollo 10*

- Back contamination
- Briefing for dignitaries
- Command and service module
  - Communications
  - General
- Event chronology
- Flight plans
  - (3 folders)
- General
<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
</tr>
</thead>
</table>
| BOX 106   | General correspondence  
(1 folder)  
Launch complexes  
Launch vehicle  
Lunar module  
Mission decision  
(3 folders) |
| BOX 107   | Mission director's reference notebook  
(3 folders)  
Mission implementation plan  
Mission operation report  
(2 folders)  
Mission profile  
News releases  
(2 folders) |
| BOX 108   | Overview  
Readiness  
Recovery  
Safety analysis  
Apollo 11  
Briefing for Joint Chiefs of Staff  
Cartoons and caricatures  
Command and service module  
Contamination  
Countdown  
Crew debriefing  
Defense Department  
Design certification review  
Equipment  
Flight plan  
(2 folders)  
General  
(3 folders) |
| BOX 109   | Flight plan  
(2 folders)  
General  
(3 folders) |
| BOX 110   | General correspondence  
(5 folders)  
Launch vehicle  
Lunar environs operations  
(2 folders) |
| BOX 111   | Lunar module  
Medical affairs  
Mission decision  
Mission director's reference notebook  
Mission implementation plan  
Mission operation report  
(3 folders)  
Mission rules |
<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mission summary</td>
</tr>
<tr>
<td></td>
<td>News releases and clippings</td>
</tr>
<tr>
<td>BOX 112</td>
<td>Photographic and television operations plan</td>
</tr>
<tr>
<td></td>
<td>Photographs</td>
</tr>
<tr>
<td></td>
<td>(3 folders)</td>
</tr>
<tr>
<td></td>
<td>Preliminary science report</td>
</tr>
<tr>
<td></td>
<td>Public affairs plan</td>
</tr>
<tr>
<td></td>
<td>Publications</td>
</tr>
<tr>
<td></td>
<td>Quality and reliability assurance</td>
</tr>
<tr>
<td></td>
<td>Quarantine</td>
</tr>
<tr>
<td></td>
<td>Radiation</td>
</tr>
<tr>
<td>BOX 113</td>
<td>Readiness</td>
</tr>
<tr>
<td></td>
<td>(5 folders)</td>
</tr>
<tr>
<td></td>
<td>Recovery</td>
</tr>
<tr>
<td></td>
<td>Safety analysis</td>
</tr>
<tr>
<td></td>
<td>Spacecraft</td>
</tr>
<tr>
<td></td>
<td>Splashdown party</td>
</tr>
<tr>
<td>BOX 114</td>
<td>Symbolic activities</td>
</tr>
<tr>
<td></td>
<td>System support list</td>
</tr>
<tr>
<td></td>
<td>Writings</td>
</tr>
<tr>
<td></td>
<td>Apollo 12</td>
</tr>
<tr>
<td></td>
<td>Cartoons and caricatures</td>
</tr>
<tr>
<td></td>
<td>Defense Department</td>
</tr>
<tr>
<td></td>
<td>Flight plan</td>
</tr>
<tr>
<td></td>
<td>(2 folders)</td>
</tr>
<tr>
<td></td>
<td>General</td>
</tr>
<tr>
<td></td>
<td>Ground support</td>
</tr>
<tr>
<td></td>
<td>Launch</td>
</tr>
<tr>
<td></td>
<td>(2 folders)</td>
</tr>
<tr>
<td>BOX 115</td>
<td>Mission implementation plan</td>
</tr>
<tr>
<td></td>
<td>Mission operation report</td>
</tr>
<tr>
<td></td>
<td>Mission rules</td>
</tr>
<tr>
<td></td>
<td>(3 folders)</td>
</tr>
<tr>
<td></td>
<td>Key Data Notebook</td>
</tr>
<tr>
<td></td>
<td>Low, George M.</td>
</tr>
<tr>
<td></td>
<td>Lunar exploration</td>
</tr>
<tr>
<td></td>
<td>Missions review</td>
</tr>
<tr>
<td></td>
<td>Orbital science</td>
</tr>
<tr>
<td>BOX 116</td>
<td>Program objectives and plans</td>
</tr>
<tr>
<td></td>
<td>Surface operations</td>
</tr>
<tr>
<td></td>
<td>(2 folders)</td>
</tr>
<tr>
<td></td>
<td>Lunar module</td>
</tr>
<tr>
<td></td>
<td><em>Lunar Orbiter: A Preliminary History</em></td>
</tr>
<tr>
<td></td>
<td>Lunar photography</td>
</tr>
<tr>
<td>BOX 117</td>
<td>Lunar samples</td>
</tr>
<tr>
<td></td>
<td>Lunar Surface Experiments Package</td>
</tr>
<tr>
<td></td>
<td>General</td>
</tr>
</tbody>
</table>
SNAP-27 radioisotope thermoelectric generator
Mission failure plan
O’Hair v. Paine
Operations support
Photographs
Program configuration
Reliability and quality assurance
Spacecraft, launch escape system
Status report
Trajectories
Project Saturn
Flights, AS-505 (Apollo 10)
BOX 118
Launch vehicles
Stage systems, S-IC
Vehicles, Saturn V
Travel vouchers
Writings by Phillips, article for New York Times, July 17
Manned space flight, history
Nixon, Richard M., presidential inauguration For additional material see Container 146, Nixon, Richard M.,
President’s Space Task Group, staff director’s committee conference, Warrenton, Va., June 12
Space program, plans, objectives, and goals
(2 folders)
(3 folders)
BOX 119
Space station program
General
Review
Speeches
Lee, Chester M.
Mueller, George E.
Newell, Homer E.
BOX 120
Paine, Thomas O.
Phillips
Sedov, Leonid Ivanovich
United States Air Force
Air Force Association convention, Houston, Tex., Mar. 18-21
Airmen aides
Biographical (“201”) file
“Corona” commanders’ conference, Ramey Air Force Base, P. R., Jan. 22-26
Flight record
General
NASA/USAF memorandum of agreement re manned space flight 1970
Budget, proposed, testimony by Dale Myers before Congress
(1 folder)
(2 folders)
<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Industry briefing, Feb. 6</td>
</tr>
<tr>
<td></td>
<td>Manned Lunar Landing Program</td>
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<tr>
<td></td>
<td>Manned space flight schedules</td>
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<td></td>
<td>Project Apollo</td>
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<td>Configuration management</td>
</tr>
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<td></td>
<td>Flights</td>
</tr>
<tr>
<td></td>
<td>Apollo 11, fifty-state tour by astronauts, goodwill messages</td>
</tr>
<tr>
<td>BOX 122</td>
<td>Apollo 13</td>
</tr>
<tr>
<td></td>
<td>Flight plan</td>
</tr>
<tr>
<td></td>
<td>General</td>
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<tr>
<td></td>
<td>Landing site and activity</td>
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<td></td>
<td>Mission operation report (prelaunch)</td>
</tr>
<tr>
<td></td>
<td>Press kit</td>
</tr>
<tr>
<td></td>
<td>Review Board</td>
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<tr>
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<td>BOX 123</td>
<td>(2 folders)</td>
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<tr>
<td></td>
<td>General</td>
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<tr>
<td></td>
<td>Program and hardware description</td>
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<td>Safety analysis reports</td>
</tr>
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<td></td>
<td>Speeches by</td>
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<tr>
<td></td>
<td>Phillips</td>
</tr>
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<td>Others</td>
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<td>1971</td>
<td>Manned Lunar Landing Program</td>
</tr>
<tr>
<td>BOX 124</td>
<td>Panel discussions, American Institute of Aeronautics and Astronautics, Washington, D.C., Oct. 28</td>
</tr>
<tr>
<td>1972</td>
<td>Manned Lunar Landing Program, Project Apollo, Flights, Apollo 17</td>
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<td>Space program plans, goals, and objectives</td>
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<td>(2 folders)</td>
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<td>1975</td>
<td>Apollo-Soyuz mission</td>
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<td>Manned Lunar Landing Program, Project Apollo</td>
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<tr>
<td></td>
<td>History</td>
</tr>
<tr>
<td></td>
<td>Program summary report</td>
</tr>
<tr>
<td>BOX 125</td>
<td>Space Shuttle Program</td>
</tr>
<tr>
<td>1976</td>
<td>Space Shuttle Program</td>
</tr>
<tr>
<td></td>
<td>Flight systems engineering plan</td>
</tr>
<tr>
<td></td>
<td>System summary</td>
</tr>
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<td>Consultancy with NASA</td>
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<td>Space Shuttle Program</td>
</tr>
<tr>
<td></td>
<td>Approach and landing tests</td>
</tr>
<tr>
<td></td>
<td>Main engine systems</td>
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<td>Safety</td>
</tr>
<tr>
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<td>Contents</td>
</tr>
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<td>-----------</td>
<td>----------</td>
</tr>
</tbody>
</table>
| **BOX 126** | Shuttle systems engineering  
Vol. I  
Vol. II  
Management review  
Solid rocket boosters  
1978  
Consultancy with NASA  
History of Apollo  
1979  
Consultancy with NASA  
General correspondence  
1980, NASA transition team, Office of the President-Elect  
(3 folders)  
1984, National Research Council, report re candidate expendable launch vehicles  
1985  
Large Scale Program Institute, report re lunar base methodology development |
| **BOX 127** | NASA Alumni League  
1986  
General correspondence  
NASA Alumni League  
NASA Management Study Group, National Academy of Public Administration  
Correspondence and telephone calls  
Meeting notes  
Report re effectiveness of NASA headquarters  
Report to administrator (“Phillips Report”)  
Space Shuttle Program, report of presidential commission re space shuttle Challenger accident  
1987  
General correspondence  
NASA Advisory Council  
General |
| **BOX 128** | Presentations by NASA  
(3 folders)  
NASA Alumni League, presentations by NASA  
NASA Management Study Group, National Academy of Public Administration  
General  
(3 folders)  
Report re effectiveness of NASA headquarters  
General |
| **BOX 129** | Notes  
Report re NASA organization and management  
Space Operations Task Force  
Space program plans, goals, and objectives  
Space Station Program  
1988  
Murray, Charles, Apollo, drafts  
NASA Alumni League |
Container | Contents
---|---

NASA Management Study Group, National Academy of Public Administration
Meeting minutes
Report re effectiveness of NASA headquarters

1989

**General**

**BOX 130**

Great Exploration Program

NASA Management Study Group, National Academy of Public Administration, report re commercially developed space facility

1990, NASA Management Study Group, National Academy of Public Administration, report re commercially developed space facility

Undated

“Chariots for Apollo: A History of Lunar Spacecraft,” draft copy

(3 folders)

**BOX 131**

(2 folders)

**General**

**BOX 131-174**

**Subject File, 1942-1990**

Correspondence, memoranda, reports, notes, photographs, and printed matter.
Arranged alphabetically by subject.

**BOX 131**

Addresses, 1944-1956
Air Force Association, 1958-1975
American Institute of Aeronautics and Astronautics
Atwood, John, dinner honoring, 1988
Boston, Mass., conference, 1966, Nov. 29-Dec. 2
Fellow nominations, 1973-1989

(1 folder)

**BOX 132**

(3 folders)

Membership, 1969
Phoenix, Ariz., space shuttle conference, 1971, Mar. 15-18
Miscellany, 1969-1971
Remarks by Phillips, 1971
Speech by Phillips, 1965
American Management Association, 1966

**BOX 133**

American Society of Mechanical Engineers, Fourth Annual Reliability and Maintainability Conference, 1965

(2 folders)

**Awards**

Astronautics Engineer Award, National Space Club, 1969
Citation of Honor, Air Force Association, 1964
Distinguished Alumnus Award, University of Wyoming, Laramie, Wyo., 1962
Distinguished Service Medal (First Oak Leaf Cluster), United States Air Force, 1969, 1972
Hap Arnold Award for Outstanding Achievement in Aerospace, Air Force Association, H. H. Arnold Chapter, Bethpage, N. Y., 1969
Honorary Citizen of the City of Montgomery, Ala., 1969
Langley Medal, Smithsonian Institution, 1970-1972
Subject File, 1942-1990

Contents

- Man of the Year, Kappa Sigma, 1969-1970
- Simon Ramo Medal, Institute of Electrical and Electronic Engineers, 1983-1984
- Baxter International Research Bureau, 1951-1952
- Boy Scouts of America
  - Los Angeles, Calif., council, 1970-1985
  - (2 folders)
- (3 folders)
  - “Youth and the Issues” television program, 1972
- Braniff International Council, circa 1972-1973, circa
- Certificates, 1961-1975, circa
  - (3 folders)
- Civilian/Military Institute, 1976-1977
  - (2 folders)
- (2 folders)
- Coggan, B. F., reports on Russia, 1968
- Committee on Space Policy, 1988-1989
- Conferences, 1957-1987
- Congress, 1971-1984
- Defense Department
  - Conference on Program Management, 1963, May 15-17
  - Miscellany
  - Notes
- (2 folders)
  - Presentations
  - Proceedings
  - Program
    - Arrangements
    - (2 folders)
    - Manual
    - (2 folders)
    - Reports
    - Logistics Symposium, 1975
- (2 folders)
  - Program management course, 1963
  - Employment opportunities
    - Boeing Co., 1975
    - Gould, 1975
    - International Paper, 1975
    - Miscellany, 1975
    - Rockwell International, 1975
  - Energy Department, superconductor super collider review, 1988-1989
    - (4 folders)
  - (1 folder)
  - Flying Tigers, reunions, 1974, circa
  - International Platform Association, 1970-1971
  - Interviews of Phillips by
Baerwolf, Adalbert, 1975, Apr. 19 Apr.
Brown, Thomas, 1968, July 30
Collins, Martin, 1988-1989
    (3 folders)
Lanier, Buck, 1970, July 20
Ordway, Frederick I., 1988, Jan. 29
Ulsamer, Edgar, 1973-1974
Invitations, 1960-1975
    (3 folders)
Jenkins, Thomas, 1969-1972
Kane, Francis X., 1969-1983
Kappa Sigma, 1954-1975, circa
Keegan, Thomas E., 1974-1975
Mack, Charles C., 1955-1965
Military Benefit Association
    Annual meeting, Atlanta, Ga., 1975
    Miscellany, 1967-1975
    (3 folders)
National Academy of Engineering
    Annual meetings, 1975, 1985
    Biodata re Phillips, 1984
    Correspondence, 1984-1989
    McIntosh, Hugh, moon landing story, 1989
    Nominations
        Gleghorn, George, 1989
        Miscellaneous, 1978-1989
        Mueller, George E., 1982-1984
Press releases, 1985
National Academy of Sciences, Panel on Scientific Communication and National Security, 1982
Correspondence
Drafting session
Meetings
    April
        Background
        Manual
        Minutes
        Notes
    May
        Agenda and manual
        Notes
    June
    July
        Background
        Manual
    (3 folders)
(1 folder)

Subject File, 1942-1990

Container  Contents
BOX 139

BOX 140

BOX 141
<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notes</td>
<td>Recommendation</td>
</tr>
<tr>
<td>Report</td>
<td>(4 folders)</td>
</tr>
<tr>
<td>National Research Council</td>
<td></td>
</tr>
<tr>
<td>Committee on Assessment of Defense Space Technology</td>
<td></td>
</tr>
<tr>
<td>Correspondence, 1989</td>
<td></td>
</tr>
<tr>
<td>Meetings, 1988-1989</td>
<td>(2 folders)</td>
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<tr>
<td>Miscellany, 1988-1989</td>
<td></td>
</tr>
<tr>
<td>Notes, 1989</td>
<td></td>
</tr>
<tr>
<td>BOX 142</td>
<td>Report, 1989</td>
</tr>
<tr>
<td>Committee on Automation in Combat Aircraft, 1980-1982</td>
<td>(4 folders)</td>
</tr>
<tr>
<td>BOX 143</td>
<td>Committee on the Human Exploration of Space</td>
</tr>
<tr>
<td>Correspondence, 1989-1990</td>
<td>(2 folders)</td>
</tr>
<tr>
<td>Miscellany, 1989-1990</td>
<td>(3 folders)</td>
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<tr>
<td>Washington, D.C., meeting, 1990, Jan. 17-21</td>
<td></td>
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<tr>
<td>Presentations, 1990</td>
<td>(1 folder)</td>
</tr>
<tr>
<td>BOX 144</td>
<td>(2 folders)</td>
</tr>
<tr>
<td>Correspondence, 1989</td>
<td></td>
</tr>
<tr>
<td>Technology Assessment Committee to the U. S. Space Command</td>
<td></td>
</tr>
<tr>
<td>Colorado Springs, Colo., 1988, Sept. 28-29</td>
<td></td>
</tr>
<tr>
<td>Irvine, Calif., 1988, July 15-17</td>
<td></td>
</tr>
<tr>
<td>Visits to U. S. Space Command, 1989</td>
<td></td>
</tr>
<tr>
<td>Washington, D.C., 1988, Apr. 11-13</td>
<td></td>
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<tr>
<td>1988, Aug. 11-12</td>
<td></td>
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<td>National Security Agency</td>
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<td>Miscellany, 1968-1974</td>
<td>(1 folder)</td>
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<tr>
<td>BOX 145</td>
<td>(1 folder)</td>
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<tr>
<td>National Security Council, 1983</td>
<td></td>
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<tr>
<td>National Space Club, 1969-1975</td>
<td></td>
</tr>
<tr>
<td>National Space Council, 1989-1990</td>
<td>(2 folders)</td>
</tr>
<tr>
<td>National Space Institute, 1975</td>
<td></td>
</tr>
<tr>
<td>National Space Publications, 1972</td>
<td></td>
</tr>
</tbody>
</table>
Subject File, 1942-1990

<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
</tr>
</thead>
</table>
Non-commissioned Officers Association of the United States of America, 1974
ORTAB meeting, 1989
Office of Science and Technology Policy, 1977-1978
Pease-Fabricated Home, 1952
Photographs, 1942-1975, circa
(6 folders)
Procurement Round Table
Background material, circa 1979-1988
(1 folder) |
| BOX 147   | Correspondence, 1988-1990
Meetings, 1988-1990
(5 folders) |
| BOX 148   | Miscellany, 1988
Project Home Run, withdrawal of surplus material from Vietnam, 1971
Radio, 1949-circa 1972, circa
Raymond, Arthur E., retirement of, 1971
Samuel C. Phillips Parkway, Cape Canaveral, Fla., 1990
Society of Experimental Test Pilots, 1963, 1975
Soviet objectives and strategies, 1975
Speaking and writing guidelines, 1951-1965
Speaking engagements
1962
Apr. 4, Institute of Radio Engineers, Dayton, Ohio
May 18, Armed Forces Day, Cheyenne, Wyo.
BOX 149    | Oct. 17, Sylvania Electronic Products, Mountain View, Calif.
1963, Apr. 30, Pasadena Chamber of Commerce, Pasadena, Calif.
1965
Aug. 3, University of California, Los Angeles, Calif., 1965-1966
Aug. 7, American Bar Association, Committee on Law of Outer Space seminar, Miami
Beach, Fla.
Aug. 25, Utah Committee on Industrial and Employment Planning, Salt Lake City, Utah
1966
Feb. 15, Air Force Association, Billy Mitchell Chapter, Milwaukee, Wis.
Mar. 1, National Conference on Space Maintenance and Extra-vehicular Activities,
Orlando, Fla.
Sept. 13, First Annual Logistics Management Symposium, Huntsville, Ala.
Nov. 17, National Conference on the Management of Aerospace Programs, University of
Missouri, Columbia, Mo.
(1 folder) |
| BOX 150   | (1 folder) |
Nov. 27, Dining-in, officers mess, Ellinton Air Force, Tex.
Dec. 11-12, George C. Marshall Space Flight Center, Huntsville, Ala.

1967
Apr. 26, Engineering management seminar, George Washington University, Washington, D.C.
Aug. 5, graduation, 3615 pilot training wing, Craig Air Force Base, Ala.

1968
Jan. 9, University of Wyoming, Laramie, Wyo.
Mar. 17, Management Club, Tinker Air Force Base, Okla.
May 9, Space Symposium, Burlington, Vt.
Nov. 27, Naval War College, Washington, D.C.
Dec. 4, IBM System Development Division managers meeting, Washington, D.C.

1969
Apr. 17, National Industrial Conference Board, Chicago, Ill.
Oct. 5, XX International Astronautical Congress, Mar del Plata, Argentina
Oct. 29, National Paint, Varnish, and Lacquer Association, Washington, D.C.
Nov. 27, Naval War College, Washington, D.C.
Dec. 1, ASPR Institute, Washington, D.C.
Dec. 12, San Bernardino Chamber of Commerce, San Bernardino, Calif.

1970
Feb. 6, Executive's Club of Chicago, Ill., 1969-1970
Feb. 25, Medical Strollers of New York City, New York, N. Y., 1969-1970
Feb. 27, Southern California Aviation Council, Palm Springs, Calif., 1966-1970
May 14, Armed Forces Day, Torrance, Calif.
May 18, Air Force Materials Symposium, Miami, Fla.
June 6, Joint Military Commissioning Ceremony, Purdue University, West Lafayette, Ind., 1965-1970
Aug. 21, Armed Forces Management Association, Los Angeles, Calif.

1971
July 9, Senior Non-commissioned Officers Commander's Call, Los Angeles Air Force Station, Calif., 1969-1971
Aug. 10, fifth birthday of Navy Space Systems Activity, Los Angeles Air Force Station, Calif.
Aug. 11, second star-pinning of Evelle J. Younger, Los Angeles, Calif.
Aug. 16, Defense research and development budgeting symposium, Los Angeles, Calif.
Nov. 12, Defense Systems Application Program, Los Angeles Air Force Station, Calif.

1972
Mar. 8, Defense Contract Administration Services, Los Angeles Region, Long Beach, Calif.
June 8, Reserve Officers Training Corps, California Institute of Technology, Pasadena, Calif.
1973
Jan. 19, Chamber of Commerce, San Angelo, Calif.
Oct. 17, Chief Sorcerers and Apprentices Dinner, Bolling Air Force Base, Washington, D.C.
Nov. 14, National Security Industrial Association, Washington, D.C.

1974
Jan. 30, American Institute of Aeronautics and Astronautics, Washington, D.C.
Mar. 12, Winter Convention, Institute of Electrical and Electronics Engineers, Los Angeles, Calif.
Apr. 5, Dining-out, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio
Apr. 9, Junior Officers Luncheon, Air Force Systems Command, Kirtland Air Force Base, N. Mex.
May 2, Strategic Weapons Development Seminar, Vandenberg Air Force Base, Calif.
May 13, welcoming remarks, Air Reserve Forces Policy Council, Andrews Air Force Base, Md.
Sept. 12, Non-commissioned Officers Academy, Kirtland Air Force Base, N. Mex.
Nov. 14, Air Force Association symposium, Shreveport, La.
Dec. 13, Wright Brothers Memorial Banquet, Beverly Hills, Calif.

1975
Apr. 19, Rotary Club, San Diego, Calif.
May 16, Armed Forces Day Banquet, Cheyenne, Wyo.
June 24, Air Force Association/National Security Industrial Association symposium, Wright-Patterson Air Force Base, Ohio

1985, Apr. 12, Company Grade Officers' Council, Los Angeles Air Force Station, Calif.
1988
(2 folders)


Speeches by Phillips
Background material, 1969-1970
Description of, 1961-1963
Speeches, 1955-1989
(3 folders)

(5 folders)
Others, 1963-1989
   (1 folder)
   (5 folders)

BOX 156
Strategic Defense Initiative
   Defense Department directives, 1986
   Milestone Panel review, 1987-1988, circa
      (1 folder)

BOX 157
Miscellany, 1984-1988, circa
   (2 folders)
   Strategic Defense Initiative Organization, 1985-1988, circa
      (1 folder)

BOX 158
Synthetic fuel development, 1975
Tadiran, 1984-1985
Torrance, Calif., Armed Forces Day, 1971
Trico Industries, 1983-1984
TRW Inc.
   Aerospace Industries Association of America, 1985-1986
   Aldrin, Edward E. (“Buzz,”), 1978
   Appointment books
      Phillips, 1985
      Short, Ann, 1984-1985
   Appointment books and calendar, 1983-1984
      (2 folders)
   Calendars, 1976-1983

BOX 159
Crescent
   Inventory, 1977
   Miscellany, 1977
   Notes, 1977
   Trenton, N. J.
      Divestiture, 1977
      General manager, 1977
      Manpower, 1977
      Marketing, 1977

Data Systems Architecture Redesign Project (DASARP)
   Correspondence, 1984-1985
      (2 folders)
   Data Systems Architecture for O & SG Services, 1984
   DASARP Management Plan, 1984
   Design view package, 1985
   Evaluation of Data Communication Options, 1984

BOX 160
   Level of Maximum Management (LOMM)
      Correspondence, 1984
<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Data Base Management System Study and Recommendation for Central and LOMM Use,” 1984</td>
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<tr>
<td></td>
<td>Evaluation of Computer Alternatives to Support Principal LOMM Computer Sites, 1984</td>
</tr>
<tr>
<td></td>
<td>LOMM Concept from a Business Perspective, 1985</td>
</tr>
<tr>
<td>BOX 161</td>
<td>Report</td>
</tr>
<tr>
<td></td>
<td>Draft-final, June 1984</td>
</tr>
<tr>
<td></td>
<td>Final, July 1985</td>
</tr>
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<td></td>
<td>(2 folders)</td>
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<td></td>
<td>Project plan, 1985</td>
</tr>
<tr>
<td></td>
<td>Project reviews, 1985</td>
</tr>
<tr>
<td></td>
<td>Space Park reorganization, 1984</td>
</tr>
<tr>
<td></td>
<td>Top Level Requirements Specification, 1985</td>
</tr>
<tr>
<td></td>
<td>(1 folder)</td>
</tr>
<tr>
<td></td>
<td>“What Is a LOMM?” 1984</td>
</tr>
<tr>
<td>Defense Systems Group (DSG)</td>
<td>86-1 population forecast, 1985</td>
</tr>
<tr>
<td></td>
<td>Acronyms, 1984-1985</td>
</tr>
<tr>
<td></td>
<td>Avionics, 1984-1985</td>
</tr>
<tr>
<td></td>
<td>Ballistic Missile Division, 1982-1985</td>
</tr>
<tr>
<td></td>
<td>Correspondence, 1984-1986</td>
</tr>
<tr>
<td></td>
<td>(3 folders)</td>
</tr>
<tr>
<td></td>
<td>Cost reduction, 1984-1985</td>
</tr>
<tr>
<td>BOX 162</td>
<td>Customer complaints, 1984</td>
</tr>
<tr>
<td></td>
<td>Goals, 1984-1985</td>
</tr>
<tr>
<td></td>
<td>Indirect expense data bank, 1984</td>
</tr>
<tr>
<td></td>
<td>Inter-Profit Center Order manual, 1982-1984</td>
</tr>
<tr>
<td></td>
<td>Management opinion survey, 1984</td>
</tr>
<tr>
<td></td>
<td>Organization</td>
</tr>
<tr>
<td></td>
<td>Charts, 1984-1985</td>
</tr>
<tr>
<td></td>
<td>Study</td>
</tr>
<tr>
<td></td>
<td>Calendar, 1984</td>
</tr>
<tr>
<td></td>
<td>Century City, Calif., meeting, 1984</td>
</tr>
<tr>
<td></td>
<td>Correspondence, 1984</td>
</tr>
<tr>
<td></td>
<td>Miscellany, 1984</td>
</tr>
<tr>
<td>BOX 163</td>
<td>Notes, 1984-1985, circa</td>
</tr>
<tr>
<td></td>
<td>Phillips's presentation to S. C. Pace, 1984</td>
</tr>
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<td></td>
<td>(2 folders)</td>
</tr>
<tr>
<td></td>
<td>Steering group meetings, 1984</td>
</tr>
<tr>
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<td>Systems Engineering and Development Division briefings, 1984</td>
</tr>
<tr>
<td></td>
<td>(2 folders)</td>
</tr>
<tr>
<td>BOX 164</td>
<td>Viewgraphs, 1984</td>
</tr>
<tr>
<td></td>
<td>Project Management Modules course</td>
</tr>
<tr>
<td></td>
<td>Contracts management, 1985</td>
</tr>
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<td>Container</td>
<td>Contents</td>
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<td>-----------</td>
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<tr>
<td></td>
<td>Evaluations, 1985</td>
</tr>
<tr>
<td></td>
<td>Pricing, 1985</td>
</tr>
<tr>
<td></td>
<td>Product Assurance, 1985</td>
</tr>
<tr>
<td></td>
<td>Subcontracts management, 1985</td>
</tr>
<tr>
<td></td>
<td>Staffing, 1984-1985</td>
</tr>
<tr>
<td></td>
<td>Strategic Defense Initiative, 1984-1985</td>
</tr>
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<td>Strategic plan, 1987</td>
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<td>Top fifty programs, 1985</td>
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<td>Air Force suspension of payments to, 1984</td>
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<td>Appointment of Phillips to, 1983</td>
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<td>Cost effectiveness programs, 1985</td>
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<td>Legal and ethical conduct, 1975-1985</td>
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<td>Management meeting, Santa Barbara, Calif., 1983-1984, circa</td>
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<td>Notes, 1985, circa</td>
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<td>Organizational material, 1984-1985</td>
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<td>Program management review committee, 1984</td>
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<td>Reorganization, 1985</td>
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<td>Cleveland, Ohio, move to</td>
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<td>BOX 167</td>
<td>Financial statements, 1983</td>
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<td>Goals and objectives, 1983 year-end compensation, 1983</td>
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<td>Marketing conference, 1979</td>
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<td>MICP executive compensation, 1980-1983</td>
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Mission Manufacturing Co. and Applications Mecaniques et Robinetterie Industrielle, S. A.-Brazil, 1977

**BOX 168**

- Notes, 1977-1983, circa
- Personnel, 1983-1984
- Pleuger, 1983-1984
  - (2 folders)
- Project “Allen,” 1984
- Reda Pump Division
  - Correspondence, 1983-1984
  - Notes, 1977, circa
  - Profile, 1977-1978
  - “Reda Today,” 1984
  - Russia business, 1977
  - Water equipment business, 1977
- Transportation control system in Baltimore, Md., 1977
- TRW Ferranti Subsea Ltd., 1982-1984
  - (2 folders)

**General**

- Benefit modifications, 1985

**BOX 169**

- Correspondence, 1977-1986
  - (3 folders)
- Employment reports, 1983-1985
- General Accounting Office systems acquisition study, 1984
- Management conferences
  - CEO planning, 1984
  - Corporate, 1978
- National Security Agency contracting, 1984
- Organizational material, 1984-1985

**BOX 170**

- National Aeronautics and Space Administration
  - Correspondence, 1986, circa
  - Defense and Space Systems Group, financial, 1977
  - Huntsville Laboratory, Huntsville, Ala., 1985
  - Launch vehicles, 1987, circa
  - NASA alumni meeting, 1984
  - Notes, 1986-1987, circa
  - Space station program
  - Miscellany, 1984-1985
  - Proposal for Lockheed, 1984
    - (2 folders)
  - Support contract, 1986-1987
    - (2 folders)

**BOX 171**

- Operations and Support Group (O & SG)
  - 1985 data services plan, 1985
  - Air Force plant office evaluation program, 1984-1985
  - (2 folders)
Correspondence, 1984-1986
Cost effectiveness, 1985
Health and safety, 1985
Miscellany, 1985, circa
Notes, 1985

BOX 172
Project group interaction project, 1985
(2 folders)
Review by Phillips, 1985
(4 folders)
Space and Technology Group
  Correspondence, 1984-1985
  Cost effectiveness, 1984-1985
  Inter-Profit Center Order manual, 1984

BOX 173
Organizational charts, 1984
Space Park headquartered groups
  General manufacturing plan, 1984
  Manufacturing Division strategic plan, 1984
  Telephone log, 1976-1981
United Services Automobile Association
  Automobile Insurance News Digest, 1975-1976
Board of Directors
  Correspondence, 1975-1976
  Meetings, 1973-1976
  Members, 1975
  Phillips's election to, 1972
  Phillips's payments from, 1973-1975
  Bylaws, 1972-1974
  Correspondence, 1973-1974
  Financial statements, 1972-1975
  New headquarters building, 1975
United States Army
  Appointments, 1942
  Infantry School, Fort Benning, Ga., 1942 See also Oversize
  Miscellany, 1942
  Orders, 1942
United States Space Foundation, national symposium, 1987
University of Houston, Houston, Tex., 1974-1975

BOX 174
University of Wyoming, Laramie, Wyo.
  Honorary degree, 1963
  Miscellany, 1963-1974
Writings by
  Phillips, 1942-1988
  (2 folders)
  Others, circa 1950s, 1970-1975
  Wyoming, 1941-1969
<table>
<thead>
<tr>
<th>Container</th>
<th>Contents</th>
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</table>
| BOX CL 1  | **Classified, 1970-1973**  
Classified material consisting mostly of correspondence, memoranda, reports, and printed matter.  
Organized and described according to the series, folders, and boxes from which the items were removed. |
| BOX CL 1  | United States Air Force  
General Officers Selection Board, 1970-1973 ([Container 25])  
Martin, [?], American Institute of Aeronautics and Astronautics paper, 1972 (Container 26) |
| BOX OV 1  | **Oversize, 1942-1968**  
Oversize material consisting mostly of architectural drawings, artwork, certificates, photographs, and printed matter.  
Organized and described according to the series, folders, and boxes from which the items were removed. |
| BOX OV 1  | Personal and Family Papers  
Artwork, circa 1950s-circa 1960s ([Container 1])  
Residences, Washington, D.C., 1964 ([Container 4])  
United States Air Force  
Ballistic Systems Division  
Minuteman intercontinental ballistic missile  
Photographs, circa 1960s ([Container 15])  
Staffing, circa ([Container 18])  
Commission  
Promotions and congratulatory letters, 1968 ([Container 29])  
Subject File  
United States Army  
Infantry school, Fort Benning, Ga., 1942 ([Container 173]) |