

# **Thomas O. Paine**

## **A Register of His Papers in the Library of Congress**

**Prepared by Kathleen M. Dondanville and Joseph K. Brooks  
with the assistance of Scott McLemee**



**Manuscript Division, Library of Congress**

**Washington, D.C.**

**1993**

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Latest revision: 2004-10-22

## Collection Summary

**Title:** Papers of Thomas O. Paine

**Span Dates:** 1931-1992

**Bulk Dates:** (bulk 1960-1982)

**ID No.:** MSS49866

**Creator:** Paine, Thomas O., 1921-

**Extent:** 64,050 items; 183 containers plus 1 classified; 73.2 linear feet; 1 microfilm reel

**Language:** Collection material in English

**Repository:** Manuscript Division, Library of Congress, Washington, D.C.

**Abstract:** Engineer, corporate executive, and National Aeronautics and Space Administration official. Correspondence, memoranda, reports, minutes of meetings, appointment books, family and genealogical papers, and printed matter chiefly relating to Paine's engineering career with General Electric Company and Northrop Corporation and as deputy and acting administrator at NASA, where he directed seven Apollo missions, including the first to the moon.

## 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.

### Names:

Paine, Thomas O., 1921-

Aldrin, Buzz

Bradbury, Ray, 1920-

Glenn, John, 1921-

Hollomon, J. Herbert (John Herbert)

Jones, Thomas V.

Seamans, Robert C.

Engineers Joint Council

General Electric Company

Northrop Corporation

Project Apollo (U.S.)

United States. Advisory Committee on the Future of the U.S. Space Program

United States. National Aeronautics and Space Administration.

United States. National Commission on Space.

United States. Navy--Foreign service--Japan

Case for Mars Conference

### Subjects:

Planets--Exploration

Space colonies

Space flight to the moon

Submarine boats--Japan

Japan--History--Allied occupation, 1945-1952

Mars (Planet)

Outer space--Exploration

### Occupation:

Engineers

## Administrative Information

### Provenance:

The papers of Thomas O. Paine, engineer and government official, were given to the Library of Congress by Paine in 1972. Subsequent additions were given by him between 1983 and 1992.

### Transfers:

Items have been transferred from the Manuscript Division to other custodial divisions of the Library. Sound recordings have been transferred to the Motion Picture, Broadcasting, and Recorded Sound Division. Some photographs have been transferred to the Print and Photographs Division. All transfers are identified in these divisions as part of the Thomas O. Paine Papers.

### Copyright Status:

The status of copyright in the unpublished writings of Thomas O. Paine in these papers and in other collections of papers in the custody of the Library of Congress is governed by the Copyright Law of the United States (Title 17, U.S.C.).

### Security Classified Documents:

Government regulations control the use of security classified material in this collection. Manuscript Division staff can furnish information concerning access to and use of classified items.

### Microfilm:

One reel of microfilm in the Thomas O. Paine Papers of a petition concerning the use of religious references by Apollo astronauts is available for use in the Manuscript Division subject to the Copyright Law of the United States (Title 17, U.S.C.). The microfilm is not available for purchase and may not be borrowed on interlibrary loan.

### Preferred Citation:

Researchers wishing to cite this collection should include the following information: Container number, Thomas O. Paine Papers, Manuscript Division, Library of Congress, Washington, D.C.

## Biographical Note

| <i>Date</i>  | <i>Event</i>  |
|--------------|---|
| 1921, Nov. 9 | Born, Berkeley, Calif.  |
| 1942         | A.B., Brown University, Providence, R.I.  |
| 1943-1945    | Graduated from Naval Reserve Midshipman Training at Annapolis, Md., and Submarine School at New London, Conn.<br>Radar and assistant engineering officer, submarine <i>Pompon</i>             |
| 1945         | Awarded Submarine Combat Insignia with stars and United States Navy Commendation Medal  |
| 1946, Oct. 1 | Married Barbara Helen Taunton Pearse  |
| 1947-1949    | M.S. and Ph.D., Stanford University, Palo Alto, Calif.  |
| 1949-1963    | Successive appointments as research engineer, manager of materials and processes, research metallurgist, and manager of engineering applications, General Electric Company, Schenectady, N.Y. |
| 1963-1968    | Manager of Technical Military Planning Operation, General Electric Company, Santa Barbara, Calif.   |

|             |   |
|-------------|---|
| 1968-1970   | Successive appointments as deputy administrator and administrator, National Aeronautics and Space Administration<br>Directed seven Apollo missions, including the first landings on the moon<br>Awarded Distinguished Service Medal |
| 1970-1976   | Vice president and group executive, Power Generation Group, and senior vice president for science and technology, General Electric Company, New York, N.Y.  |
| 1976-1982   | President, Northrop Corp., Los Angeles, Calif.  |
| 1982-1992   | President, Thomas Paine Associates, Santa Monica, Calif.  |
| 1985        | Appointed Chairman of the National Commission on Space  |
| 1990        | Appointed to the Advisory Committee on the Future of the United States Space Program  |
| 1992, May 4 | Died, Los Angeles, Calif.   |

## Scope and Content Note

The papers of Thomas Otten Paine (1921-1992) span the years 1931-1992, with the bulk of the materials concentrated in the period 1960-1982. The collection documents Paine's engineering and administrative career with the General Electric Company and Northrop Corporation, his administration of the National Aeronautics and Space Administration during the first seven Apollo missions, and his membership and participation in professional, scientific, and educational organizations. Primarily consisting of correspondence, memoranda, reports, minutes of meetings, drafts, and printed matter, the papers are organized into the following series: [Personal File](#), [General Correspondence](#), [Government File](#), [Corporate File](#), [Professional Associations](#), [Miscellany](#), and [Classified Material](#).

The [Personal File](#) (1931-1992) contains appointment books, biographical and genealogical materials, and documents relating to Paine's naval service during World War II. Included is a copy of a personal journal recording Paine's participation in the demilitarization of Japanese submarine forces during the early days of the occupation of Japan. Also in the file is a bibliography representing over three thousand books in Paine's personal library relating to submarines and submarine warfare. Completing the series are family correspondence, material relating to Paine's membership in submarine veterans' organizations, and a few personal business papers of his father, George T. Paine.

The [General Correspondence](#) series (1955-1991) consists of incoming and outgoing correspondence between Paine and friends, colleagues, and the general public primarily relating to employment and professional opportunities, space and planetary exploration, submarine technology, and topics of a routine nature.

Correspondence, memoranda, reports, and other materials pertaining to Paine's work as deputy and acting administrator of the National Aeronautics and Space Administration are found in the [Government File](#) (1965-1991). Material in this section include comprehensive subject files relating to the Apollo missions, including the Apollo Eleven flight when Neil Armstrong and Buzz Aldrin became the first human beings to set foot on the moon. Other papers in this section include chronological files of letters and memoranda by Paine and reading files containing correspondence, memoranda, reports, printed matter, and other material received by Paine on a daily basis.

The [Government File](#) also contains material pertaining to Paine's role as chairman of the National Commission on Space. Included are drafts and the commission's final report entitled *Pioneering the Space Frontier*. The series also contains correspondence, memoranda, and reports relating to Paine's work on the Advisory Committee on the Future of the United States Space Program.

The largest segment of the collection is the [Corporate File](#) (1950-1992). Primarily comprised of correspondence, memoranda, minutes of meetings and reports, the series contains extensive files pertaining to Paine's long career with the General Electric Company and his work as president of the Northrop Corporation. General Electric files include documentation of his original

research on fine-particle magnets and the innovative programs he instituted to develop lasers, medical electronic equipment, and electric vehicles. Northrop files are largely comprised of material relating to visits he made to foreign air force bases as president of the company. In the personal logbooks from these travels are narratives, photographs, and accounts of private discussions held with Bandar Bin Sultan of Saudi Arabia, Admiral Soong, head of Taiwan's armed forces, and officials from the Soviet Union. Also in the series are files pertaining to his membership on the board of directors of several space-related companies and to Thomas Paine Associates, a consulting firm started by Paine after retiring from Northrop.

The Professional Associations series (1945-1992) is mostly comprised of correspondence, memoranda, minutes of meetings, and reports pertaining to Paine's membership in professional, educational, and scientific organizations. Papers documenting his work as a member of the Engineers Joint Council constitute the bulk of the series. Included are numerous reports Paine helped prepare as a member of the Council's Engineering Research Committee. Also in the series are papers relating to Case for Mars conferences in which Paine and others promoted the exploration and colonization of the planet Mars.

Among the Miscellany (1947-1991) are handwritten notes by Paine, reports and drafts pertaining to his work as a research assistant at Stanford University, and drafts of books and screenplays by others regarding planetary and space exploration.

Prominent correspondents include Edwin E. "Buzz" Aldrin, Ray Bradbury, John Glenn, J. Herbert Hollomon, Thomas V. Jones, and Robert C. Seamans.

## Organization of the Papers

The collection is arranged in seven series:

- Personal File, 1930-1992, n.d.
- General Correspondence, 1955-1991, n.d.
- Government File, 1965-1991, n.d.
- Corporate File, 1949-1992, n.d.
- Professional Associations, 1945-1992, n.d.
- Miscellany, 1947-1991, n.d.
- Classified, 1968-1970

## Description of Series

### *Container*

### *Series*

BOX 1-7

**Personal File, 1930-1992, n.d.**

Appointment books, correspondence, biographical and genealogical material, naval records, photographs, certificates, bibliographic material, and printed matter.

Arrangement is alphabetical by topic or type of material and chronological therein.

BOX 8-13

**General Correspondence, 1955-1991, n.d.**

Incoming and outgoing correspondence with attachments between Paine and friends, colleagues, organizations, and the general public.

Arrangement is chronological.

BOX 13-68

**Government File, 1965-1991, n.d.**

Correspondence, memoranda, reports, agendas, minutes of meetings, notes, printed matter, address books, schedules, press releases, newspaper clippings, speeches, articles, and photographs relating to Paine's public service.

Arrangement is alphabetical by topic or type of material and chronological therein.

BOX 69-143

**Corporate File, 1949-1992, n.d.**

Correspondence, memoranda, reports, agendas, minutes of meetings, notes, speeches, articles, itineraries, schedules, logbooks, press releases, newspaper clippings, photographs, and printed matter relating to Paine's career at General Electric, Northrop, and Thomas Paine Associates, and his membership on various boards of directors.

Arrangement is alphabetical by topic or type of material and chronological therein.

BOX 143-181

**Professional Associations, 1945-1992, n.d.**

Correspondence, memoranda, reports, agendas, minutes of meetings, notes, schedules, press releases, newspaper clippings, and printed matter relating to Paine's membership in professional, educational, and scientific organizations.

Arrangement is alphabetical by topic or type of material and chronological therein.

BOX 182-183

**Miscellany, 1947-1991, n.d.**

Notes, drafts of books and scripts, speeches, articles, reports, and printed matter.

Arrangement is alphabetical by topic or type of material.

BOX CL 1

**Classified, 1968-1970**

Documents containing national security information removed from the collection.

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

# Container List

| <i>Container</i> | <i>Contents</i>   |
|------------------|---|
| <b>BOX 1-7</b>   | <b>Personal File, 1930-1992, n.d.</b><br>Appointment books, correspondence, biographical and genealogical material, naval records, photographs, certificates, bibliographic material, and printed matter.<br>Arrangement is alphabetical by topic or type of material and chronological therein.  |
| <b>BOX 1</b>     | Appointment books<br>1966-1975<br>(6 folders)   |
| <b>BOX 2</b>     | 1976-1979<br>(5 folders)  |
| <b>BOX 3</b>     | 1980-1984<br>(5 folders)  |
| <b>BOX 4</b>     | 1984-1992<br>(7 folders)  |
| <b>BOX 5</b>     | Biographical material, 1960-1970, 1983-1985, n.d.<br>(2 folders)<br>Family correspondence, 1942-1946, 1960-1968, 1982-1985, n.d.<br>(6 folders)<br>Genealogical material, 1961-1965, 1980, n.d.<br>Naval service<br>Journal, Transpacific Voyage of His Imperial Japanese Majesty's Submarine I-400, 1945<br>Navy orders, 1942-1951, 1961-1962<br>Notebooks, 1945 |
| <b>BOX 6</b>     | Paine, George T. (father), business papers, 1931, 1952-1953, 1963, n.d.<br>(2 folders)<br>Photographs, ca. 1943, 1963<br>Stanford University, Palo Alto, Calif., 1946-1950, 1960<br>(2 folders)<br>Submarine bibliography<br>1930, 1960-1965<br>(4 folders)   |
| <b>BOX 7</b>     | 1982, n.d.<br>(2 folders)<br>Submarine veterans organizations<br>Background material, 1959<br>Correspondence, 1959-1986, n.d.<br>Printed matter, 1957-1963, 1969<br>Washington Award, Western Society of Engineers, 1972  |
| <b>BOX 8-13</b>  | <b>General Correspondence, 1955-1991, n.d.</b><br>Incoming and outgoing correspondence with attachments between Paine and friends, colleagues, organizations, and the general public.<br>Arrangement is chronological.  |

## General Correspondence, 1955-1991, n.d.

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|                  |   |
|------------------|---|
| <b>BOX 8</b>     | Mar. 1955-June 1982<br>(11 folders)   |
| <b>BOX 9</b>     | July 1982-Sept. 1985<br>(11 folders)  |
| <b>BOX 10</b>    | Oct. 1985-May 1986<br>(8 folders)   |
| <b>BOX 11</b>    | June 1986-Feb. 1988<br>(8 folders)  |
| <b>BOX 12</b>    | Mar. 1988-Dec. 1989<br>(8 folders)  |
| <b>BOX 13</b>    | Jan. 1990-Dec. 1991, n.d.<br>(4 folders)  |
| <b>BOX 13-68</b> | <b>Government File, 1965-1991, n.d.</b><br>Correspondence, memoranda, reports, agendas, minutes of meetings, notes, printed matter, address books, schedules, press releases, newspaper clippings, speeches, articles, and photographs relating to Paine's public service.<br>Arrangement is alphabetical by topic or type of material and chronological therein. |
| <b>BOX 13</b>    | Advisory Committee on the Future of the U.S. Space Program<br>Agendas and working calendars, 1990<br>Background material, 1990<br>(2 folders)<br>Biographical and employment information, 1990<br>Correspondence and memoranda<br>Nov. 1989-Oct. 1990<br>(2 folders)  |
| <b>BOX 14</b>    | Nov. 1990-Dec. 1991<br>(4 folders)<br>Journal re committee and the White House, 1990<br>(2 folders)<br>Mailing lists, 1990<br>Media coverage, 1990  |
| <b>BOX 15</b>    | Minutes of meetings, 1990<br>(2 folders)<br>Notes, 1990<br>Presentations made to committee, 1990<br>(4 folders)   |
| <b>BOX 16</b>    | (7 folders)   |
| <b>BOX 17</b>    | (7 folders)   |
| <b>BOX 18</b>    | (6 folders)   |
| <b>BOX 19</b>    | (2 folders)<br>Reading file, 1990<br>(3 folders)<br>Report<br>Comments and critiques by colleagues, 1991  |

**Government File, 1965-1991, n.d.**

| <i>Container</i> | <i>Contents</i>   |
|------------------|---|
| BOX 20           | Drafts, 1990<br>(6 folders)<br>Printed version, 1990<br>Summary and principal recommendations, 1990<br>Reunion of committee members, 1991   |
| BOX 21           | National Aeronautics and Space Administration<br>Address book, n.d.<br>Administration reference and backup book, 1968<br>(4 folders)  |
| BOX 22           | Advisory boards, 1965-1968, n.d.<br>(2 folders)<br>Chronological file<br>Mar.-Dec. 1968<br>(6 folders)  |
| BOX 23           | Jan.-Oct. 1969<br>(10 folders)  |
| BOX 24           | Nov. 1969-June 1970<br>(8 folders)  |
| BOX 25           | July 1970-Oct. 1970<br>(4 folders)<br>Correspondence<br>Jan. 1968-June 1970<br>(5 folders)  |
| BOX 26           | July-Sept. 1970, n.d.<br>(4 folders)<br>Historical Office<br>Apollo history workshop, 1970<br>Historical Advisory Committee, 1970-1972<br>Newsletters, 1972-1974  |
| BOX 27           | Writings<br>Agency history, 1969<br>(2 folders)<br>Gemini narrative, 1970<br>(2 folders)<br>"We Should Go to the Moon," n.d.<br>Letters of congratulations re appointment<br>Feb. 1968-Feb. 1969<br>(2 folders) |
| BOX 28           | Mar. 1969<br>News releases and clippings, 1968-1981, n.d.<br>(4 folders)<br>Photographs, 1968   |
| BOX 29           | Reading file<br>Feb.-July 1968<br>(6 folders)   |
| BOX 30           | July-Aug. 1968<br>(6 folders)   |

**Government File, 1965-1991, n.d.**

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|---------------|--|
| <b>BOX 31</b> | Sept.-Nov. 1968<br>(7 folders)   |
| <b>BOX 32</b> | Dec. 1968-Mar. 1969<br>(7 folders)   |
| <b>BOX 33</b> | Apr.-July 1969<br>(6 folders)  |
| <b>BOX 34</b> | Aug.-Oct. 1969<br>(6 folders)  |
| <b>BOX 35</b> | Nov. 1969-Jan. 1970<br>(6 folders)   |
| <b>BOX 36</b> | Feb.-May 1970<br>(7 folders)   |
| <b>BOX 37</b> | May-Sept. 1970<br>(7 folders)  |
| <b>BOX 38</b> | Schedules, 1968-1970<br>(3 folders)<br>Speeches and writings<br>Articles<br>By others re Paine, 1968-1969<br>By Paine<br>1968-1969<br>(3 folders)      |
| <b>BOX 39</b> | 1970, n.d.<br>(2 folders)<br>Book reviews, 1970<br>Books, "Where Are We Going in Space?" 1970<br>Chapter drafts<br>(8 folders)<br>Foreword and outline |
| <b>BOX 40</b> | Interviews, 1969-1970<br>Press conferences, 1970<br>Speeches<br>Feb. 1968-Aug. 1969<br>(6 folders)   |
| <b>BOX 41</b> | Sept. 1969-Mar. 1970<br>(6 folders)  |
| <b>BOX 42</b> | Apr. 1970-Dec. 1971<br>(7 folders)   |
| <b>BOX 43</b> | Undated<br>Subject file<br>Advanced Manned Missions study program, 1967<br>Apollo missions<br>Apollo 6, 1968<br>Apollo 8, 1968-1969<br>(3 folders)     |
| <b>BOX 44</b> | Apollo 9, 1969<br>(2 folders)  |

**Government File, 1965-1991, n.d.**

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|               | Apollo 10, 1969<br>(4 folders)  |
| <b>BOX 45</b> | Apollo 11, 1969<br>(7 folders)  |
| <b>BOX 46</b> | (4 folders)   |
|               | Apollo 12, 1969-1970<br>(1 folder)  |
| <b>BOX 47</b> | (3 folders)   |
|               | Apollo 13, 1970<br>(5 folders)  |
| <b>BOX 48</b> | Apollo 14, 1970<br>Lynn petition concerning religious references by Apollo astronauts, 1969 (1 reel microfilm)<br>Shelf no. 21,385<br>Miscellaneous, 1967-1968<br>Quarterly progress reports, 1967-1968<br>(2 folders)<br>Astronomy program, 1968<br>Lunar Exploration Program, 1967-1968<br>Lyndon Baines Johnson Library, Austin, Tex., 1968-1970<br>Marshall Space Flight Center, University of Alabama, Huntsville, Ala., n.d.<br>Miscellaneous, 1976-1979, n.d.<br>Saturn Program, 1968<br>(2 folders)<br>Senate Committee on Aeronautics and Space Sciences, 1968<br>Soyuz flights 7 and 9, 1970-1971<br>Space applications, 1967-1970, n.d.<br>(2 folders) |
| <b>BOX 49</b> |   |
|               | Space colonization, 1975<br>Space physics program, 1968<br>Space policy, 1969, n.d.<br>Space progress projections, n.d.<br>Space stations, 1970<br>(2 folders)<br>Space Window, Washington Cathedral, Washington, D.C., 1974<br>Wolper Productions, 1970  |
| <b>BOX 50</b> |   |
|               | Trips<br>Australia, 1969<br>Australia, Hawaii, and Japan, 1970<br>(2 folders)   |
| <b>BOX 51</b> | Europe, 1969-1970<br>(5 folders)<br>London, 1970<br>United States<br>1968<br>(1 folder)   |
| <b>BOX 52</b> | 1968-1970<br>(3 folders)  |

**Government File, 1965-1991, n.d.**

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|        |  |
|--------|--|
|        | Working file                                   |
|        | Apr.-Dec. 1968                                 |
|        | (6 folders)                                    |
| BOX 53 | Jan.-July 1969                                 |
|        | (8 folders)                                    |
| BOX 54 | Aug. 1969-Mar. 1970                            |
|        | (7 folders)                                    |
| BOX 55 | Apr.-Sept. 1970                                |
|        | (8 folders)                                    |
| BOX 56 | National Commission on Space                   |
|        | Administrative material                        |
|        | Applications and resumes, 1985                 |
|        | (3 folders)                                    |
|        | Charter and establishing documents, 1985       |
|        | Logo, 1985                                     |
|        | Mailing lists, 1985-1986, n.d.                 |
|        | Members, 1985                                  |
|        | Security, n.d.                                 |
|        | Staff, 1985-1986, n.d.                         |
|        | Articles re Paine, 1985-1988                   |
|        | (2 folders)                                    |
| BOX 57 | Correspondence and memoranda                   |
|        | Oct. 1984-June 1985                            |
|        | (7 folders)                                    |
| BOX 58 | July-Nov. 1985                                 |
|        | (7 folders)                                    |
| BOX 59 | Dec. 1985-Feb. 1986                            |
|        | (6 folders)                                    |
| BOX 60 | Mar.-May 1986                                  |
|        | (5 folders)                                    |
| BOX 61 | May-Sept. 1986                                 |
|        | (7 folders)                                    |
| BOX 62 | Oct. 1986-Jan. 1990, n.d.                      |
|        | (6 folders)                                    |
| BOX 63 | Meetings, 1985-1986, n.d.                      |
|        | (7 folders)                                    |
|        | Miscellany, 1985-1987, n.d.                    |
| BOX 64 | Newsletters and background material, 1986-1987 |
|        | (3 folders)                                    |
|        | Presentations, 1985                            |
|        | (4 folders)                                    |
| BOX 65 | (4 folders)                                    |
|        | Reports and related material                   |
|        | By NCOS  |
|        | <i>America's Next 20 Years in Space</i> , 1985 |
|        | <i>Pioneering the Space Frontier</i>           |
|        | 1985-1986                                      |
|        | (3 folders)                                    |

**Government File, 1965-1991, n.d.**

| <i>Container</i> | <i>Contents</i>  |
|------------------|--|
| BOX 66           | 1986<br>(6 folders)  |
| BOX 67           | (4 folders)<br><i>Space Goals for 21st Century America</i> , 1985<br>(3 folders)   |
| BOX 68           | By others, 1985-1986<br>(2 folders)<br>Trip to Soviet Union<br>Briefing material, 1985-1986<br>Correspondence, memoranda, and notes, 1985<br>National Space Council<br>Agendas and background material, 1989-1991, n.d.<br>Correspondence, 1989-1990<br>Meeting notes, 1989<br>Presentations, 1989   |
| BOX 69-143       | <b>Corporate File, 1949-1992, n.d.</b><br>Correspondence, memoranda, reports, agendas, minutes of meetings, notes, speeches, articles, itineraries, schedules, logbooks, press releases, newspaper clippings, photographs, and printed matter relating to Paine's career at General Electric, Northrop, and Thomas Paine Associates, and his membership on various boards of directors.<br>Arrangement is alphabetical by topic or type of material and chronological therein. |
| BOX 69           | Board of Directors<br>Geosat<br>Agendas and minutes of meetings, 1984-1989<br>(2 folders)<br>Correspondence and memoranda, 1984-1989<br>Newsletters and press releases, 1984-1989<br>(2 folders)<br>Orbital Sciences Corp.<br>Agendas and minutes of meetings<br>Dec. 1983-Dec. 1987<br>(7 folders)  |
| BOX 70           | Jan. 1988-Sept. 1989<br>(7 folders)  |
| BOX 71           | Sept. 1989-Oct. 1991<br>(7 folders)  |
| BOX 72           | Oct. 1991-Apr. 1992<br>(2 folders)<br>Correspondence and memoranda<br>Nov. 1983-Dec. 1988<br>(5 folders)   |
| BOX 73           | Jan. 1989-Apr. 1992<br>(7 folders)<br>News releases, 1984-1992<br>(2 folders)  |
| BOX 74           | Plans and objectives, 1988-1989  |

**Corporate File, 1949-1992, n.d.**

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|               |   |
|---------------|---|
|               | Projects  |
|               | Adaptable Space Propulsion System, 1987   |
|               | Apogee and Maneuvering Stage, 1984  |
|               | Datasat, 1989   |
|               | Orbital Research Partners consolidation, 1987<br>(2 folders)                                |
|               | Space Data Corp. merger, 1988<br>(2 folders)  |
| <b>BOX 75</b> | Summaries of major programs, 1991   |
|               | Transfer Orbit Stage, 1983-1987<br>(4 folders)  |
|               | Reports, 1990-1992<br>(3 folders)   |
| <b>BOX 76</b> | Quotron   |
|               | Agendas and minutes of meetings<br>Dec. 1981-Dec. 1987<br>(8 folders)                       |
| <b>BOX 77</b> | Jan. 1988-Nov. 1989<br>(2 folders)  |
|               | Correspondence and memoranda<br>Feb. 1983-Aug. 1986<br>(6 folders)                          |
| <b>BOX 78</b> | Sept. 1986-Sept. 1991<br>(6 folders)  |
| <b>BOX 79</b> | Reports, 1983-1989<br>(8 folders)   |
| <b>BOX 80</b> | General Electric Co.<br>Correspondence and memoranda<br>Sept. 1950-Dec. 1964<br>(7 folders) |
| <b>BOX 81</b> | Jan. 1965-Dec. 1973<br>(6 folders)  |
| <b>BOX 82</b> | Jan.-Dec. 1974  |
|               | Personnel records, 1950-1957, n.d.  |
|               | Publications, 1949-1960, n.d.<br>(2 folders)  |
|               | Subject file  |
|               | American Museum of Electricity  |
|               | Board of Trustees, 1963   |
|               | Constitution and bylaws, n.d.   |
|               | Correspondence, 1962-1968<br>(2 folders)  |
|               | Finances, 1963  |
|               | Minutes of meetings, 1962-1965  |
| <b>BOX 83</b> | Plans and operations, 1962  |
|               | Printed material, 1962-1963   |
|               | Story-line conference, 1964   |

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|--------|--|
|        | General Engineering Laboratory                               |
|        | Acoustics, 1961  |
|        | Advanced Waste Treatment program, 1962                       |
|        | Air purification, 1960-1961                                  |
|        | Arms control, 1961-1962                                      |
|        | Atomic energy, 1960  |
|        | Bionics, 1960-1962   |
|        | Budget and planning, 1960-1962                               |
|        | (2 folders)  |
| BOX 84 | Civil defense, 1961  |
|        | Company growth opportunities, 1960-1962                      |
|        | (2 folders)  |
|        | Cybernetic anthropomorphic machines, 1962                    |
|        | Eastern Mohawk Valley Development Study program, 1961        |
|        | Electromachining, 1960-1961                                  |
|        | Electrothermal rock breaking, 1961                           |
|        | Electronics, 1961-1962                                       |
|        | Engineering and the New Frontier, 1960-1961                  |
|        | Ground effect machines, 1962                                 |
|        | Humanity, n.d.   |
| BOX 85 | Helium recovery, 1961  |
|        | Information retrieval and storage, 1960-1961                 |
|        | Innovations, 1960  |
|        | International development                                    |
|        | General, 1960-1963   |
|        | (2 folders)  |
|        | South America, 1962  |
|        | International University of the Americas proposal, 1961-1962 |
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| BOX 181     | United Nations conferences<br>Fourth International Conference on the Peaceful Uses of Atomic Energy, 1971<br>(2 folders)<br>Papers co-authored by Paine, 1962, n.d.<br>University of Arizona Space Engineering Research Center, Tucson, Ariz., 1989-1990<br>Voyager-Neptune Encounter, 1988-1989<br>Wright Foundation Science Colloquium on the Voyage to Mars, 1988 |
| BOX 182-183 | <b>Miscellany, 1947-1991, n.d.</b><br>Notes, drafts of books and scripts, speeches, articles, reports, and printed matter.<br>Arrangement is alphabetical by topic or type of material.  |
| BOX 182     | Notes, 1963, n.d.<br>Speeches and interviews, 1972-1986, n.d.<br>(3 folders)<br>Stanford University, Palo Alto, Calif., 1947-1950, n.d.<br>Writings<br>By others<br>Books, 1987-1988<br>(4 folders)  |
| BOX 183     | Books, 1988<br>Scripts and treatments, 1990-1991, n.d.<br>(3 folders)<br>By Paine, 1963-1991   |
| BOX CL 1    | <b>Classified, 1968-1970</b><br>Documents containing national security information removed from the collection.<br>Arranged and described according to the series and folders from which the items were removed.   |
| BOX CL 1    | Government File<br>National Aeronautics and Space Administration<br>Chronological file<br>Aug.-Sept. 1968 (Container 22)<br>Dec. 1968 (Container 22)<br>Jan. 1969 (Container 23)   |

Feb. 1969 (Container 23)

Jan. 1970 (Container 24)

Mar. 1970 (Container 24)

July 1970 (Container 25)

(2 folders)