

## **Guide to the Papers of William A. Fowler, 1917-1994**

Processed by Nurit Lifshitz, assisted by Charlotte Erwin, Laurence Dupray, Carlo Cossu and Jennifer Stine.

Archives

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## Guide to the Papers of William A. Fowler, 1917-1994

### Collection number: Consult repository

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Pasadena, California

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June 2000

Encoded by:

Francisco J. Medina. Derived from XML/EAD encoded file by the Center for History of Physics, American Institute of Physics as part of a collaborative project (1999) supported by a grant from the National Endowment for the Humanities.

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### Descriptive Summary

**Title:** William A. Fowler papers,

**Date (inclusive):** 1917-1994

**Collection number:** Consult repository

**Creator:** Fowler, William A., 1911-1995

**Extent:** 94 linear feet

**Repository:** California Institute of Technology. Archives.

Pasadena, California 91125

**Abstract:** These papers document the career of William A. Fowler, who served on the physics faculty at California Institute of Technology from 1939 until 1982. Focusing heavily on nuclear physics and astrophysics, the Fowler papers form a rich and important collection for the history of physics, and illustrate the politics and sociology of science in the twentieth century. They also contain substantial material on Caltech's World War II rocket developments, plus documents on Project Vista, a Cold-War strategic defense study headed by Fowler.

**Language:** English.

#### Access

The collection is open for research. Researchers must apply in writing for access.

#### Publication Rights

Copyright may not have been assigned to the California Institute of Technology Archives. All requests for permission to publish or quote from manuscripts must be submitted in writing to the Head of the Archives. Permission for publication is given on behalf of the California Institute of Technology Archives as the owner of the physical items and is not intended to include or imply permission of the copyright holder, which must also be obtained by the reader.

#### Preferred Citation

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[Identification of item, box and file number], Papers of William A. Fowler. Archives, California Institute of Technology.

### **Acquisition Information**

The papers were donated to the Caltech Archives by William Fowler in several installments between 1980 and 1986, bringing the collection to approximately 67 linear feet. After Fowler's death in March, 1995, his heirs completed the donation of the papers, nearly doubling the size of the collection with approximately 60 more linear feet.

### **Processing History**

The pre-1995 papers were roughly sorted into document boxes, plus about 15 linear feet of original binders consisting mainly of Office of Naval Research files. The 1980 accession was processed by Assistant Archivist Susan Trauger in 1980. This material deals mainly with the Nuclear Science Advisory Committee (NUSAC) and various astronomy committees. A rough inventory for about one third of the pre-1995 collection was prepared by C. Bugé, L. Wood, and M. Williamson.

Thanks to a grant from the Friends of the Center for History of Physics, American Institute of Physics, further processing of the complete collection took place from 1998 to 2000. This generous award by the AIP allowed the Caltech Archives to finish processing the pre-1995 donation, process the complete 1995 donation, and finally, merge the two portions into a single integrated collection, making it accessible to the scholarly community.

### **Biography**

Physicist William A. Fowler received the Nobel Prize in Physics with Subrahmanyan Chandrasekhar in 1983 for his "theoretical and experimental studies of the nuclear reactions of importance in the formation of the chemical elements in the universe." For most of his scientific career, he was the acknowledged leader of the discipline of nuclear astrophysics and the driving force behind the theory of nucleosynthesis that the elements and their isotopes were generated in stellar furnaces.

Fowler was born in Pittsburgh, Pennsylvania, on August 9, 1911, and grew up in Lima, Ohio. He graduated in engineering physics from Ohio State University in 1933, then moved to the California Institute of Technology, where he began his graduate studies under the supervision of Charles C. Lauritsen at Caltech's Kellogg Radiation Laboratory. He received his PhD in 1936 for his thesis on radioactive elements of low atomic number. Fowler spent his entire scientific career at Caltech, where in 1970 he was named the first Institute Professor of Physics, a position he held until his retirement in 1982. Early nuclear studies at the Kellogg Radiation Laboratory established the basis for quantitative determinations of reaction rates of interest in stellar processes. In the late 1930s reactions in the C-N (carbon-nitrogen) cycle were being studied at Kellogg, but World War II intervened, and the laboratory staff was engaged in defense research throughout the war. Fowler and his colleagues worked on a variety of defense projects, first on the invention of the proximity fuze for anti-aircraft rockets, and later on the development of rocket ordnance for the US navy. For that work, he received the Medal of Merit in 1948. After the war Fowler and his colleagues at Kellogg returned to the field of low-energy light-element nuclear physics, aiming a major fraction of their research at nuclear reactions in stars. Fowler continued his defense work after the war, dealing with the study of strategic nuclear weapons as the scientific director of Project Vista.

Fowler's interest in nuclear astrophysics was stimulated by Fred Hoyle's visit to Caltech in the 1950s. Fowler spent his sabbatical year of 1954-55 at the Cavendish Laboratory, Cambridge, England, where he started a collaboration with Fred Hoyle and with Margaret and Geoffrey Burbidge, which culminated in their 1957 seminal paper, "Synthesis of the Elements in Stars." Subsequently, Fowler and Hoyle studied the nuclear processes of supernovae and extended their research to dating the synthesis of chemical elements from the abundance of their isotopes—a field of research which later became known as nuclear chronology.

In 1967, Fowler, Hoyle, and Robert B. Wagoner produced a comprehensive study regarding the dynamics of expansion of the universe and the resulting nucleosynthesis, known as Big Bang nucleosynthesis. That same year, Fowler's collaboration with Georgeanne Caughlan and Barbara Zimmerman led to the publication of the first of a series of reviews evaluating experimental nuclear reaction rates. This series of reviews continued with a variety of co-authors until 1988 and provided a foundation for the study of stellar evolution and nucleosynthesis.

Throughout his scientific career, Fowler was also very active in a variety of societies and professional organizations. He served terms as an officer and then as president of the American Physical Society (1976) and was a member of the Governing Board and Executive Committee of the American Institute of Physics (1974-1980). He also served on the National Science Board of the National Science Foundation (1968-1974), the Space Science Board of the National Academy of Sciences (1970-1973, 1977-1980), and as member and then chairman of the Nuclear Science Advisory Committee (NUSAC) of the National Science Foundation and Department of Energy (1977-1981).

Fowler received many honors in addition to the Nobel Prize. These included the Vetlesen Prize (1973), the National Medal of Science awarded by President Gerald Ford in 1974, the Eddington Medal of the Royal Astronomical Society (1978), the Bruce Gold Medal of the Astronomical Society of the Pacific (1979), and the Legion of Honor awarded by President François Mitterrand in 1989.

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Fowler continued his scientific research and his lecturing activities until his death due to kidney failure on March 14, 1995.

### **Scope and Content of Collection**

The working papers, correspondence, reprints, and biographical material of William Alfred Fowler form the collection known as the Fowler Papers at the California Institute of Technology Archives.

The Fowler papers form an exceedingly rich and important collection for the history of physics and astrophysics, as well as for the politics and sociology of science in the twentieth century. Fowler saved a vast amount of material, including documents related to his mentor Charles C. Lauritsen from the 1920s and 1930s at Caltech. Lauritsen destroyed most of his own papers connected with Caltech's World War II rocket project, but Fowler preserved his, giving researchers today a detailed first-hand account of Caltech's intensive involvement in the war effort. A similar level of documentation exists for Fowler's involvement in postwar defense work, particularly the study of strategic nuclear weapons known as Project Vista, and the creation of the Office of Naval Research (ONR).

The collection has been divided into twelve sections (see Table of Contents), organized in 213 archival boxes. The Correspondence Section (Series I) contains a large amount of both incoming and outgoing correspondence. Letters are arranged chronologically within the alphabetically ordered folders. An effort was made to gather the general as well as a major portion of the scientific correspondence into one main section. However, some correspondence has been left in other sections, in particular, in the Technical Files (Series IX) in order to preserve its original context. World War II rocket project correspondence and Project Vista correspondence is also found in the relevant sections. Correspondence concerning awards and honors, including the Nobel Prize, as well as family correspondence, has been placed in Series X, Biographical Material. Researchers with access to a digital version of this finding aid should conduct name and keyword searches in order to find all correspondence by or with one individual or on one subject or project.

Fowler spent his entire scientific career at Caltech, and his papers contain extensive information on the history of Caltech in general, and on the Kellogg Radiation Laboratory in particular. Series II, California Institute of Technology, is subdivided into Fowler's teaching material, Kellogg Radiation Laboratory material, the Physics, Mathematics and Astronomy (PMA) Division material, and general documents. Some portions in the PMA section are sensitive (faculty salary distribution, appointment and promotion files, etc.), and thus will be closed for an indefinite period.

Series III deals with World War II and its immediate aftermath. Caltech's principal involvement was the rocket project sponsored by the Office of Scientific Research and Development (OSRD). Fowler kept administrative material regarding the project, as well as many technical reports. This section of the collection has also been subdivided into five parts: Administrative Material, Facilities, Reports, Correspondence and Miscellaneous. The reports subsection is the longest and most complex. Reports are organized by type: Caltech weekly progress reports from October 1941 through September 1945; local intermediate reports between November 1941 and June 1945; OSRD and CIT technical reports during 1942 to 1946; and technical reports organized by subject in the original order in which Fowler had kept them. Correspondence is organized by person, organization, or subject. Visual material connected with the rocket project can be found in miscellaneous under "The South Pacific Theatre Trip." Sixteen-mm films on the rocket project have been placed in Series XI, Photographic Material, and in Series XII, Oversize, Box 210.

Project Vista material is gathered in Series IV and contains correspondence, administrative material and reports. One box of slides pertaining to Project Vista can be found in Series XI, Photographic Material.

Fowler was very active in many scientific and professional organizations, and he also served in an advisory capacity to several government agencies, laboratories and the military. His most extensive involvements, aside from World War II activities and Project Vista, were with the American Physical Society, the National Academy of Sciences, and the National Science Foundation's Nuclear Science Advisory Committee (NUSAC). The material dealing with these organizations and others, including a significant portion of correspondence, is found in Series V, arranged alphabetically according to the organization.

Fowler's talks and lectures both at Caltech and elsewhere are arranged in Series VI in chronological order. Folders in this section contain a wide variety of talk-related documents, from talk outlines and notes to related correspondence. Every effort has been made to identify each talk and its date and venue, but often the information about a given talk remains sketchy. Many talks were delivered several times, usually in varying forms, and many were also eventually published. Researchers should note connections between material in the talks section and in the following section (Series VII), Manuscripts.

Series VII, Manuscripts, contains Fowler's drafts, manuscripts and some unpublished manuscripts in chronological order. Additionally, some manuscripts by other authors are included. Folders in this section contain a variety of materials such as manuscript drafts, notes, figures, and tables, and even correspondence, as many of Fowler's papers were co-authored. Fowler's habit was to refer to his publications by abbreviations formed from the last-name initials of the authors. If two co-authors had the same last initial, such as Margaret and Geoffrey Burbidge, his convention was to use the superscript 2

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(for "squared"). Thus, he commonly refers to his famous publication with the Burbidges and Fred Hoyle, "Synthesis of the elements in stars" (1957), as B 2FH. The sets of data on thermonuclear reaction rates, published in several volumes with different co-authors, are also referred to by Fowler in this same shorthand. Typically on these projects his collaborators were Georgeanne Caughlan and Barbara Zimmerman (respectively C and Z). Fowler's shorthand references to his publications have been included in some instances in the manuscripts section of the finding aid and will be found throughout the collection.

Printed publications in reprint or offprint form that were extant in the Fowler collection are grouped together in Series VIII under the heading Reprints. It should be noted that the reprint section does not contain all of Fowler's publications, only those that were included in the original collection given to Caltech.

The large and complex set of technical materials donated to Caltech has been put together in Series IX, Technical Files. For the sake of clarity, this material has been subdivided into broad subject areas and further subdivided into narrower topics. However, readers will find some overlap between subsections. Further, the technical files contain a wide variety of materials, from calculations, plots, notes, data and memos, to full exchanges of letters with collaborators and interested parties. Every effort has been made to describe the contents clearly and to list names of correspondents in this section of the finding aid, so that researchers with access to a digital copy may conduct name searches. The subsections of the technical files are: Nuclear Physics; Nuclear Astrophysics (including nucleosynthesis of the elements [subdivided thermonuclear reaction rates, nuclear processes, cross-section material], the solar neutrino problem, stars and supernovae, cosmochronology [subdivided into particle physics and the early universe, and the inflationary universe]); Published and Unpublished Papers and Talks (by Fowler and others), and Miscellaneous. The subsection on papers and talks overlaps to some degree with the previous Sections VI and VII, but the distinction in this set of files is the presence of purely technical notes and ancillary materials. Once a project had taken an identifiable shape as a talk or manuscript, it was removed to Series VI or VII. Researchers will again need to recognize the relationships between the Technical Files section and the Talks and Manuscript sections.

The Biographical Section (Series X) includes records of Fowler's early and later education (up to and including his graduate work at Caltech), his family, his awards, including the Nobel Prize, plus miscellaneous biographical information of interest. Also included are several oral histories and interviews. Researchers may also refer to the oral history conducted through the Caltech Archives' Oral History Project. The first interview in this series was completed by John L. Greenberg in 1983, and the supplement by Carol Bugé in 1986.

Photos, slides, and films are collected in Series XI, Photographic Material, though additional photos can be found in the Oversize Section (Series XII), such as the rocket project photos and conference group photos. The Oversize material also contains a selection of certificates and various awards, honorary degrees and medals.

### **Organization of Collection**

Organized into the following series: I. Correspondence; II. California Institute of Technology; III. World War II Rocket Project; IV. Project Vista; V. Professional Organizations and Government Agencies; VI. Talks and Conferences; VII. Manuscripts; VIII. Reprints; IX. Technical Files; X. Biographical Materials; XI. Photographic Material; XII. Oversize Materials.

### **Indexing Terms**

The following terms have been used to index the description of this collection.

#### **People**

Lauritsen, Charles Christian, 1892-1968

#### **Corporations**

American Physical Society

California Institute of Technology--Faculty

California Institute of Technology. Division of Physics, Mathematics and Astronomy

California Institute of Technology. W. K. Kellogg Radiation Laboratory

California Institute of Technology. Rocket Project

National Academy of Sciences (U.S.)

National Science Foundation (U.S.). Nuclear Science Advisory Committee

United States. Office of Naval Research

United States. Office of Scientific Research and Development

Rochester Conference on High Energy Nuclear Physics

#### **Subjects**

Astrophysics

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Astronomy  
Cosmochronology  
Nobel Prizes  
Nuclear astrophysics  
Nuclear physics--Research  
Physics--Congresses  
Physics--Study and teaching  
Rockets--Research  
Science--Social aspects--United States--20th century  
Science and state--United States--20th century  
Solar neutrinos--Research  
Stars  
Strategic weapons systems  
Supernovae  
World War, 1939-1945--Science  
Project Vista  
Astrophysicists--Archives  
Nuclear physicists--Archives  
Physicists--United States--20th century

#### **Genres and Forms of Materials**

Biographical files  
Reprints  
Technical reports

#### **Related Collections**

In addition to using the Fowler Papers, researchers are encouraged to consult related collections in the Caltech Archives. The Historical Files contain miscellaneous material on William Fowler acquired from many different sources. Researchers should also consult other related manuscript collections at the Archives, such as the Papers of Charles C. Lauritsen and Thomas Lauritsen, the Earnest C. Watson Papers, the Joseph Foladare Papers, and the Physics 3 Project collection (the latter specifically on the World War II rocket project). Caltech's photo archives and artifact collections contain further material on Willy Fowler, as do the audio-visual archives for films, video tapes, and audio tapes. For a complete listing of all William A. Fowler material in the Caltech Archives, researchers may consult the Archives' web site at:

<http://archives.caltech.edu> .

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#### Series I: **Correspondence**

Box 1, Folder 1	<b>Abelson, Philip H. 1965; 1972</b>
Box 1, Folder 2	<b>Academic Press Inc. 1957; 1961; 1963; 1965; 1967</b>
Box 1, Folder 3	<b>Acker, Alden E. 1954; 1956</b>
Box 1, Folder 4	<b>Acker, S. R. 1956</b>
Box 1, Folder 5	<b>Adami, Chris 1993</b>
Box 1, Folder 6	<b>Adelberger, Eric 1977-1978 [confidential]</b>
Box 1, Folder 7	<b>Addison-Wesley Press Inc. 1949; 1954; 1967</b>
Box 1, Folder 8	<b>Agnew, P. A. 1951; 1961</b>
Box 1, Folder 9	<b>Ahnlund, Katarina 1956-1957; 1982</b>
Box 1, Folder 10	<b>Aitchison, G. J. 1965</b>
Box 1, Folder 11	<b>Ajzenberg-Selove, Fay and Walter 1952-1953; 1958-1960; 1965; 1968-1970; 1972-1975; 1981-1983</b>
Box 1, Folder 12	<b>Alburger, David E. 1950-1951; 1959-1961; 1963; 1965-1966</b>
Box 1, Folder 13	<b>Alfvén, Hannes 1964; 1966-1967; 1973</b>
Box 1, Folder 14	<b>Allegre, Claude 1984</b>
Box 1, Folder 15	<b>Aller, Lawrence H. 1952-1954; 1957-1960; 1964; 1966</b>

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Box 1, Folder 16	<b>Allison, Samuel K. 1940; 1948-1949; 1953; 1956-1957; 1960-1961; 1963</b>
Box 1, Folder 17	<b>Allred, Weston I. 1960</b>
Box 1, Folder 18	<b>Almy, G. M. 1954</b>
Box 1, Folder 19	<b>Alpher, Ralph A. 1956-1957; 1961; 1964; 1967; 1969; 1973; 1987</b>
Box 1, Folder 20	<b>Alvarez, Luiz and Virginia 1936-1937; 1973-1974; 1987; n.d.</b>
Box 1, Folder 21	<b>American Association for the Advancement of Science, Holiday Science Lectures 1962-1970; 1972-1973; 1975 See also: Series VI, Holiday Science Lectures Dec. 1963</b>
	<b>American Friends of Cambridge University</b>
	<b>1970-1971</b>
Box 1, Folder 22	<b>1972-1973</b>
Box 1, Folder 23	<b>1974-1975</b>
Box 2, Folder 1	<b>1976-1978</b>
Box 2, Folder 2	<b><i>American Journal of Physics</i> 1949; 1955-1956; 1966-1967</b>
Box 2, Folder 3	<b><i>American Scientist</i> 1969; 1975</b>
Box 2, Folder 4	<b>Anand, S. P. S. 1964; 1966</b>
Box 2, Folder 5	<b>Anders, Edward 1958-1961; 1963; 1965</b>
Box 2, Folder 6	<b>Anderson, Carl D. 1947; 1949-1950; 1952; 1954; 1960; 1962-1966; 1969-1970 See also: Series VI, Testimonia May 24, 1976; Series VI, Tribute Feb. 25, 1991</b>
Box 2, Folder 7	<b>Anderson, Vernice 1978; 1982</b>
	<b><i>Annals of Physics</i> 1947; 1957; 1960-1961; 1964; 1968; 1974</b>
Box 2, Folder 8	<b><i>Annual Review of Astronomy and Physics</i> 1975</b>
Box 2, Folder 9	<b><i>Annual Review of Nuclear Science</i> 1956-1957; 1960-1961; 1969</b>
Box 2, Folder 10	<b>Ansell, D. K. 1971</b>
Box 2, Folder 11	<b><i>Appeal for Peace in Croatia</i> 1992</b>
Box 2, Folder 12	<b>Ariyama, Kanetaka 1957</b>
Box 2, Folder 13	<b>Arnett, David W. 1969-1975</b>
Box 2, Folder 14	<b>Arms control and foreign policy seminar See: Zoppo, Ciro E.</b>
Box 2, Folder 15	<b><i>Astrophysical Journal</i> 1959; 1962; 1964-1966; 1967</b>
	<b><i>Athenaeum</i> 1947-1949; 1954</b>
	<b>Atkinson, Richard C. See: Series V, NSF nomination for director</b>
	<b>Atoms for Peace Awards Inc. 1959; 1963</b>
	<b>Audouze, Jean 1974-1977; 1981; 1990 See also: Series XII, photos</b>
	<b>Azuma, R. E. 1953; 1967</b>
	<b>A miscellaneous</b>
	<b>Babcock, Horace 1965; 1969; 1974</b>
	<b>Bacher, Robert 1949-1961; 1967; 1985-1987 See also: Series X, baseball bets</b>
	<b>Bahcall, John and Neta 1967-1969; 1974-1975; 1981-1984; 1986-1988 See also: Selective Service System</b>
	<b>Bailey, S. David 1954</b>
	<b>Bainbridge, Kenneth 1950-1951; 1953; 1958-1959</b>
	<b>Bair, J. K. 1972-1973</b>
	<b>Baker, P. S. 1959; 1962</b>
	<b>Baker, Robert H. 1958</b>
	<b>Baranger, Elizabeth and Micheal 1953; 1957-1958</b>
	<b>Barkas, Walter H. 1953-1954; 1966</b>
	<b>Barkat, Zalman 1971; 1973</b>
	<b>Barnes, C. A. 1952; 1954; 1958-1959; 1961-1962; 1967-1968; 1971; 1973-1974; 1981</b>
	<b>Barret, R. J. 1956-1957</b>
	<b>Barrington, A. E. 1965</b>
	<b>Barschall, H. H. 1967</b>
	<b>Bartlett, James H. 1965; 1970</b>
	<b>Baschkin, B. B. 1959; 1961</b>
	<b>Bashkin, Stanley 1960-1962; 1965-1966; 1970</b>
	<b>Batchelor, George 1962; 1966</b>
	<b>Beadle, George W. 1948; 1960</b>
	<b>Becker, Robert A. 1942; 1950; 1958-1960; 1972</b>
	<b>Beckerley, J. G. See: <i>Annual Review of Nuclear Physics</i></b>
	<b>Beckman, John 1988</b>
Box 3, Folder 22	

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Box 3, Folder 23	<b>Beer, Arthur 1966-1967</b>
Box 3, Folder 24	<b>Bell, Clifford 1957-1958</b>
Box 3, Folder 25	<b>Benedict, Manson 1963</b>
Box 3, Folder 26	<b>Benjamin, William A. 1961; 1964; 1970</b>
Box 3, Folder 27	<b>Bennet, Arthur L. 1964</b>
Box 3, Folder 28	<b>Bennet, William 1975</b>
Box 3, Folder 29	<b>Bent, R. D. 1957</b>
Box 3, Folder 30	<b>Berg, Irwin M. 1973</b>
Box 3, Folder 31	<b>Berland, Theodore 1962</b>
Box 3, Folder 32	<b>Bernas, R. 1962; 1965-1966; 1968</b>
Box 3, Folder 33	<b>Bethe, Hans A. 1949-1951; 1956-1957; 1960; 1963; 1966-1968; 1971-1975; 1978-1980; 1982; 1984; 1986-1987; 1991 See also: Series II, Part C, Lauritsen Memorial Lecture</b>
Box 3, Folder 34	<b>Betz, Michel E. 1973</b>
Box 3, Folder 35	<b>Bidelman, William P. 1956-1957; 1959; 1965</b>
Box 3, Folder 36	<b>Biermann, L. 1966-1967</b>
Box 3, Folder 37	<b>Bigileisen, Jacob 1977</b>
Box 3, Folder 38	<b>Bird, J. F. 1958; 1960; 1962; 1974</b>
Box 3, Folder 39	<b>Blaisdell, Warren See: Addison-Wesley Press Inc.</b>
Box 3, Folder 40	<b>Bludman, Sidney A. 1963; 1972-1974</b>
Box 3, Folder 41	<b>Blyth, Rose 1958-1959</b>
Box 3, Folder 42	<b>Bodansky, David 1968; 1970; 1973-1974; 1984</b>
Box 3, Folder 43	<b>Bohr, Aage 1953-1954; 1957; 1967; 1969-1970; 1980-1981 See also: Series II, Part C, Lauritsen Memorial Lecture</b>
Box 3, Folder 44	<b>Bohr, Niels 1953; 1985 See also: Series XII, photos</b>
Box 3, Folder 45	<b>Bok, Bart J. 1965; 1970-1971; 1974-1975</b>
Box 3, Folder 46	<b>Bolton, John 1956; 1965-1966</b>
Box 3, Folder 47	<b>Bolz, Harold A. 1970; 1974</b>
Box 3, Folder 48	<b>Bond, Richard 1982; 1984-1985; 1988-1989</b>
Box 3, Folder 49	<b>Bondelid, R. O. 1957-1960</b>
Box 3, Folder 50	<b>Bondi, Hermann 1958; 1962; 1965</b>
Box 3, Folder 51	<b>Bonner, James 1956; 1970; 1982</b>
Box 4, Folder 1	<b>Bonner, Tom W. 1939-1940; 1956; 1958-1959; 1963</b>
Box 4, Folder 2	<b>Booth, Rex 1957-1958</b>
Box 4, Folder 3	<b>Bornmann, John A. 1974</b>
Box 4, Folder 4	<b>Borst, Lyle B. 1956-1957</b>
Box 4, Folder 5	<b>Borton, Hugh 1958; 1964</b>
Box 4, Folder 6	<b>Boury, Arsène 1965-1967</b>
Box 4, Folder 7	<b>Bowen, I. S. 1952; 1955; 1958-1959</b>
Box 4, Folder 8	<b>Boyd, Richard 1983-1985; 1988</b>
Box 4, Folder 9	<b>Bracewell, R. N. 1963; 1967</b>
Box 4, Folder 10	<b>Bradbury, Norris E. 1947; 1956; 1966</b>
Box 4, Folder 11	<b>Bradford, Eliot B. 1954</b>
Box 4, Folder 12	<b>Bradley, Charles C. 1960</b>
Box 4, Folder 13	<b>Bradner, Hugh 1947-1948; 1950; 1953; 1956; 1959; 1964; 1971</b>
Box 4, Folder 14	<b>Branscomb, Lewis 1970; 1979; 1981-1982</b>
Box 4, Folder 15	<b>Brattain, Walter H. 1963; 1966-1967; 1973; 1979</b>
Box 4, Folder 16	<b>Breit, Gregory 1937; 1947-1949; 1959; 1967</b>
Box 4, Folder 17	<b>Bretscher, Egon 1954; 1956; 1961; 1964; 1966</b>
Box 4, Folder 18	<b>Brickwedde, F. G. 1961</b>
Box 4, Folder 19	<b>British Broadcasting Corp. 1955; 1963; 1969; 1972; 1975; 1983</b>
Box 4, Folder 20	<b>Brode, Robert 1956; 1962</b>
Box 4, Folder 21	<b>Brolley, J. E. 1968</b>
Box 4, Folder 22	<b>Bromberger, Joseph F. 1954; 1966</b>
Box 4, Folder 23	<b>Bromley, D. Allan 1959; 1960; 1966; 1971; 1974-1975; 1985</b>
Box 4, Folder 24	<b>Brooks, Franklin C. 1957</b>
	<b>Brooks, Harvey 1963; 1968; 1971 See also: American Friends of Cambridge University</b>

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Box 4, Folder 25	<b>Brown, Edmund G. 1961; 1966</b>
Box 4, Folder 26	<b>Brown, Gerald E. 1965-1966; 1978; 1988-1989</b>
Box 4, Folder 27	<b>Brown, Louis 1984-1985</b>
Box 4, Folder 28	<b>Brown, Ron 1986</b>
Box 4, Folder 29	<b>Brueckner, Keith A. 1960; 1962</b>
Box 4, Folder 30	<b>Buchta, J. W. 1949; 1958-1959; 1964</b>
Box 4, Folder 31	<b>Buechner, W. W. 1948; 1950; 1953-1954; 1956; 1959</b>
Box 4, Folder 32	<b><i>Bulletin of the Atomic Scientists</i> 1954; 1968</b>
	<b>Bundick, Elmer J. See: Whitson, W. L.</b>
Box 4, Folder 33	<b>Burbidge, Geoffrey and Margaret 1955; 1957-1966; 1968-1969; 1971-1972; 1978-1979; 1982; 1992 See also: <i>Annual Review of Astronomy and Astrophysics</i>; Series VI, symposium July 15-19, 1975</b>
	<b>Bureau of Vital Statistics 1954</b>
Box 4, Folder 34	<b>Burhop, E. H. S. 1955</b>
Box 4, Folder 35	<b>Burrill, E. Alfred 1953; 1956; 1961; 1969</b>
Box 4, Folder 36	<b>Burrill, E. Alfred 1953; 1956; 1961; 1969</b>
Box 4, Folder 37	<b>Butler, Jacqueline 1983</b>
Box 4, Folder 38	<b>Ba miscellaneous</b>
Box 5, Folder 1	<b>Be-Bo miscellaneous</b>
Box 5, Folder 2	<b>Br-Bu miscellaneous</b>
Box 5, Folder 3	<b>California Museum Foundation 1965-1973</b>
Box 5, Folder 4	<b>California Museum of Science and Industry 1959-1965 See also: California Museum Foundation; Series XI, Awards and honors 1957</b>
	<b>Caltech Alumni Association 1984-1985</b>
Box 5, Folder 5	<b>Cameron, A. G. W. 1954-1959; 1965-1970; 1972; 1978; 1980-1981 See also: <i>Annals of Physics</i>; Series VI, University of Colorado talk Mar. 1985</b>
Box 5, Folder 6	<b>Cameron, A. G. W. 1954-1959; 1965-1970; 1972; 1978; 1980-1981 See also: <i>Annals of Physics</i>; Series VI, University of Colorado talk Mar. 1985</b>
	<b>Cameron, Robert 1964-1968; 1972</b>
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Box 5, Folder 8	<b>Cantieni, Joseph 1963; 1985</b>
Box 5, Folder 9	<b>Cassé, Michel 1986</b>
Box 5, Folder 10	<b>Caughlan, Georgeanne 1960-1965; 1967; 1970; 1974-1975; 1979; 1985-1987; 1990-1991; 1994</b>
	<b>Chakrabarti, S. 1975</b>
Box 5, Folder 11	<b>Chakrabarti, S. 1975</b>
Box 5, Folder 12	<b>Chalonge, Daniel and Karen 1917; 1982; 1984; 1989</b>
Box 5, Folder 13	<b>Chamberlain, Von Del 1979-1980</b>
Box 5, Folder 14	<b>Champlin, W. P. 1953</b>
Box 5, Folder 15	<b>Chandrasekhar, S. 1956; 1960-1961; 1965; 1968; 1975 See also: <i>Astrophysics Journal</i></b>
Box 5, Folder 16	<b>Chang, C. C. 1964-1965</b>
Box 5, Folder 17	<b>Chitre, Kumar 1968-1970</b>
Box 5, Folder 18	<b>Chiu, H. Y. 1960-1961; 1963; 1967-1968; 1970</b>
Box 5, Folder 19	<b>Christensen, Davis J. 1968; 1971</b>
Box 5, Folder 20	<b>Christman, Al 1970-1971</b>
Box 5, Folder 21	<b>Christy, R. F. 1959; 1973; 1978; 1980; 1986, n.d. See also: Series V, NAS membership nomination; Series VI, talk May 24, 1978; Series VI, retirement talk May 1986</b>
	<b>Chrysler United Kingdom, Ltd. 1974</b>
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Box 6, Folder 1	<b>Clark, Gregory J. 1969; 1985</b>
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	<b>1963-1974</b>
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Box 6, Folder 6	<b>1990-1994 See also: Series X, Fowler, Feschrift; Series VI, Workshop, Aug. 10-13, 1976, Symposium, July 15-19, 1976; Series XII, photos</b>
	<b>Clemence, G. M. 1964</b>
Box 6, Folder 7	<b>Clemence, G. M. 1964</b>
Box 6, Folder 8	<b>Clemens, Cyril 1976; 1979; 1980-1982</b>
Box 6, Folder 9	<b>Clifford, Frank 1964</b>
Box 6, Folder 10	<b>Climenhaga, J. L. 1967</b>
Box 6, Folder 11	<b>Cockroft, Sir John 1961; 1966-1967</b>
Box 6, Folder 12	<b>Cohen, A. V. 1955-1956</b>
Box 6, Folder 13	<b>Cohen, Bernard L. 1960; 1971</b>

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Box 6, Folder 14	<b>Cohen, Judith 1967; 1984</b>
Box 6, Folder 15	<b>Colgate, Stirling A. 1960; 1963-1964; 1966-1968; 1973; 1975 See also: Audouze, Jean</b>
Box 6, Folder 16	<b>Collins, Alan C. 1963</b>
Box 6, Folder 17	<b>Collins, Bowman C. 1961</b>
Box 6, Folder 18	<b>Collins, George B. 1958</b>
Box 6, Folder 19	<b>Columbia Broadcasting System 1949</b>
Box 6, Folder 20	<b>Columbia University 1952; 1960</b>
Box 6, Folder 21	<b>Condon, E. U. 1937-1938; 1940; 1952</b>
Box 6, Folder 22	<b>Cook, Charles W. 1957; 1960</b>
Box 6, Folder 23	<b>Cooper, Eugene P. 1966-1967</b>
Box 6, Folder 24	<b>Cornell Institute for Social and Scientific Research 1986</b>
	<b>Corner, George W. See: Series V, American Philosophical Society</b>
Box 6, Folder 25	<b>Coryell, Charles D. 1956; 1960</b>
Box 6, Folder 26	<b>Cosmos Club 1957; 1962; 1965-1970; 1972-1973; 1975; 1977-1982; 1985; 1988</b>
Box 6, Folder 27	<b>Cowan, Clyde L. 1956; 1963</b>
Box 6, Folder 28	<b>Cowley, Charles R. 1970-1971; 1973</b>
Box 7, Folder 1	<b>Cranberg, Lawrence 1961; 1971; 1976</b>
Box 7, Folder 2	<b>Crane, H. R. 1939-1940; 1947; 1959; 1974; 1976; 1979-1982; 1993; n.d.</b>
Box 7, Folder 3	<b>Creutz, E. C. 1958; 1963; 1974 See also: Cosmos Club</b>
Box 7, Folder 4	<b>Croswell, Ken 1993-1994</b>
Box 7, Folder 5	<b>Curtis, Henry S. 1956; 1958-1959</b>
Box 7, Folder 6	<b>Ca-Ch miscellaneous</b>
Box 7, Folder 7	<b>Cl-Cu miscellaneous</b>
Box 7, Folder 8	<b>D'Auria, John M. 1985-1986</b>
Box 7, Folder 9	<b>Daily News-Miner 1964 See also: Goodwin, Irving</b>
Box 7, Folder 10	<b>Dalgarno, Alexander 1975</b>
Box 7, Folder 11	<b>Danziger, John 1965; 1969</b>
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Box 7, Folder 12	<b>Davids, Cary N. 1966; 1968; 1974; 1987</b>
Box 7, Folder 13	<b>Davids, D. E. 1964-1965</b>
Box 7, Folder 14	<b>Davis, Allan 1964-1965</b>
Box 7, Folder 15	<b>Davis, Raymond Jr. 1962-1963; 1965-1966; 1968-1970; 1972-1974; 1976; 1978; 1981-1984</b>
Box 7, Folder 16	<b>Day, Robert B. 1949; 1953-1954; 1956; 1964</b>
Box 7, Folder 17	<b>Dean, Hubert W. (Dixi) 1985-1987; n.d. [manuscript for <i>Druid's Circle</i> with Fowler's annotations included]</b>
Box 7, Folder 18	<b>Debreu, Gerard 1984</b>
Box 7, Folder 19	<b>Dennison, David M. 1954; 1956-1957; 1960</b>
Box 7, Folder 20	<b>Despain, Keith 1979-1982</b>
Box 7, Folder 21	<b>Devaney, J. J. 1954</b>
Box 8, Folder 1	<b>Diamond, Richard M. 1982</b>
Box 8, Folder 2	<b>Dicke, Robert H. 1961; 1963; 1965; 1970-1971</b>
Box 8, Folder 3	<b>Dickison, Roland 1962</b>
Box 8, Folder 4	<b>Dietrich, Frank 1958-1959 See also: Selective Service System</b>
Box 8, Folder 5	<b>Dignan, Patrick J. 1958</b>
Box 8, Folder 6	<b>Dodson, Richard W. 1940; 1963-1964</b>
Box 8, Folder 7	<b>Drell, Sidney D. 1974-1975; 1977</b>
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Box 8, Folder 9	<b>DuBridge, Lee A. 1947-1955; 1957-1958; 1961-1963; 1965; 1968; 1974; 1986 See also: Series X, Oppenheimer case</b>
Box 8, Folder 10	<b>DuMond, Jesse W. M. 1950; 1955; 1958; 1960-1961; 1963</b>
Box 8, Folder 11	<b>Dunbar, D. N. F. 1952-1959; 1965-1966; 1969</b>
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Box 8, Folder 13	<b>Dunham, H. C. 1953</b>
Box 8, Folder 14	<b>Duorah, H. L. 1961</b>
Box 8, Folder 15	<b>Dyrhe, A. E. 1956-1957; 1959</b>
Box 8, Folder 16	<b>Dyson, Freeman 1963; 1972</b>
Box 8, Folder 17	<b>D miscellaneous</b>

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Box 8, Folder 18	<b>Edmondson, Frank K. 1958-1959</b>
Box 8, Folder 19	<b>Edwards, Terry W. 1970; 1973</b>
Box 8, Folder 20	<b>Ehmann, William D. 1963-1964</b>
Box 8, Folder 21	<b>Ellett, Alexander 1958; 1960</b>
Box 8, Folder 22	<b>Elliot, David C. 1982; 1985-1986</b>
Box 8, Folder 23	<b><i>Encyclopedia Britannica</i> 1960; 1967; 1969-1970</b>
Box 8, Folder 24	<b>Engelbrecht, Christian A. 1978, 1991</b>
Box 8, Folder 25	<b>Epreman, E. 1953-1954</b>
Box 8, Folder 26	<b>Epstein, L. Ivan 1947-1948; 1958</b>
Box 8, Folder 27	<b>Epstein, Paul S. 1947-1950</b>
Box 8, Folder 28	<b>Evans, Glenn [Willy's aunt] 1948</b>
Box 8, Folder 29	<b>Evans, Robley D. 1948; 1950; 1956; 1960; 1972</b>
Box 8, Folder 30	<b>Evans, T. W. 1958</b>
Box 8, Folder 31	<b>Everson, George 1952-1954</b>
Box 8, Folder 32	<b>E miscellaneous</b>
Box 9, Folder 1	<b>Faessler, Amand 1984-1985</b>
Box 9, Folder 2	<b>Falla, D. F. 1966</b>
Box 9, Folder 3	<b>Faulkner, John 1968; 1970-1971; 1985; 1992; n.d.</b>
Box 9, Folder 4	<b>Fechter, Harry R. 1953-1954</b>
Box 9, Folder 5	<b>Fermi, Laura 1957</b>
Box 9, Folder 6	<b>Ferrell, Richard A. 1949; 1956; 1989</b>
Box 9, Folder 7	<b>Feshbach, Herman 1959; 1961; 1968; 1982; 1985</b>
Box 9, Folder 8	<b>Fichtel, Carl 1967; 1975; 1977</b>
Box 9, Folder 9	<b>Field, George B. 1972; 1974-1975</b>
Box 9, Folder 10	<b>Film Editing Service 1972-1973</b>
Box 9, Folder 11	<b>Fisher, David E. 1963; 1986</b>
Box 9, Folder 12	<b>Fisher, Phillip C. 1963; 1965-1969; 1971-1972</b>
	<b>Fleischer, Robert See: Cosmos Club</b>
Box 9, Folder 13	<b>Flügge, S. 1954-1957</b>
Box 9, Folder 14	<b>Foladare, Joseph 1952; 1960</b>
Box 9, Folder 15	<b>Fong, Peter 1956; 1958</b>
	<b>Ford, Gerald R. See: Series X, Science Advisory Bill signing 1976</b>
Box 9, Folder 16	<b>Foster, F. L., Jr. 1952</b>
Box 9, Folder 17	<b>Fowler, Joe L. 1956-1957; 1965; 1973; 1976</b>
Box 9, Folder 18	<b>Fowler, P. H. 1967</b>
Box 9, Folder 19	<b>Fraknoi, Andrew 1979; 1989-1990</b>
Box 9, Folder 20	<b>Frank, N. H. 1960</b>
Box 9, Folder 21	<b>Franklin Institute 1957; 1965-1966; 1973</b>
Box 9, Folder 22	<b>Fredericks, Lawrence 1970-1971</b>
Box 9, Folder 23	<b>Freeman, Joan 1955-1957; 1962-1963; 1973; 1986</b>
Box 9, Folder 24	<b>Fregeau, Jerome H. 1960; 1962; 1967</b>
Box 9, Folder 25	<b>French, Anthony P. 1953-1956</b>
Box 9, Folder 26	<b>French, J. Bruce 1956-1957; 1960</b>
Box 9, Folder 27	<b>Friedlander, Gerhart 1960; 1976</b>
Box 9, Folder 28	<b>Friedman, Herbert 1960; 1965; 1969-1970</b>
Box 9, Folder 29	<b>Frisch, David H. 1956-1958; n.d.</b>
Box 9, Folder 30	<b>Frisch, Otto R. 1953-1955</b>
Box 9, Folder 31	<b>Furnas, Cliff C. 1954; 1964</b>
Box 9, Folder 32	<b>F miscellaneous</b>
Box 9, Folder 34	<b>Galbraith, Carol 1967</b>
Box 9, Folder 35	<b>Galowin, Larry 1972; 1983-1984</b>
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Box 9, Folder 37	<b>Garfield, Eugene 1967; 1973</b>
Box 9, Folder 38	<b>Garman, Ed 1964</b>
Box 9, Folder 39	<b>Garvey, James E. 1965-1969</b>
Box 9, Folder 40	<b>Gash, Philip 1955</b>
Box 9, Folder 41	<b>Gaustad, John E. 1965; 1972</b>
Box 9, Folder 42	<b>Geballe, Ronald 1959; 1962-1963</b>

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Box 10, Folder 1	<b>Gibb, Frederick W. 1957</b>
Box 10, Folder 2	<b>Gibbons, Jack H. 1959-1960; 1966-1967</b>
	<b>Gibbs, Evaline</b>
Box 10, Folder 3	<b>1954; 1956; 1960</b>
Box 10, Folder 4	<b>1961 Aug.- 1962 Aug.</b>
Box 10, Folder 5	<b>1964 June-Nov.</b>
Box 10, Folder 6	<b>1965 May-Sept.</b>
Box 10, Folder 7	<b>1966 Mar.-Jun.</b>
Box 10, Folder 8	<b>1967 Apr.-Aug.</b>
Box 10, Folder 9	<b>1968 May-Aug.</b>
Box 10, Folder 10	<b>1969 May-Aug.</b>
Box 10, Folder 11	<b>1970 Apr.-Sept.</b>
Box 10, Folder 12	<b>1971 May-Aug.</b>
Box 10, Folder 13	<b>1972 June-Aug.</b>
Box 10, Folder 14	<b>1973-1974; 1976-1977; 1983; n.d.</b>
Box 10, Folder 15	<b>Gilbert, Horace N. 1949; 1963; 1966</b>
Box 10, Folder 16	<b>Gililland, Lloyd J. 1953</b>
Box 10, Folder 17	<b>Gingrich, Newell S. 1953-1954</b>
Box 10, Folder 18	<b>Gold, Thomas 1958; 1960-1964; 1980 See also: Series VI, Cornell University talk Oct. 1980</b>
Box 10, Folder 19	<b>Goldberg, Edward D. 1965</b>
Box 10, Folder 20	<b>Goldberg, Leo 1957-1958; 1963-1964; 1966; 1968 See also: Series VI, Moscow talk Aug. 1958</b>
Box 10, Folder 21	<b>Golden, William T. 1982</b>
Box 10, Folder 22	<b>Goldhaber, Maurice 1959; 1963-1964; 1971-1972; 1993</b>
Box 10, Folder 23	<b>Goldsmith, Julian R. 1969-1970</b>
Box 10, Folder 24	<b>Goldring, Gvirol 1964-1965</b>
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Box 10, Folder 25	<b>Goles, Gordon 1963-1968; 1970; 1980</b>
Box 11, Folder 1	<b>Gomes, Philip 1960</b>
Box 11, Folder 2	<b>Gómez-Milán, Varen 1973-1974</b>
Box 11, Folder 3	<b>Gong, Zhigang 1993-1994</b>
Box 11, Folder 4	<b>Good, W. M. 1952-1954</b>
Box 11, Folder 5	<b>Goode, Harry H. 1953</b>
	<b>Goodstein, David L. See: Series V, APS and applied physics education</b>
Box 11, Folder 6	<b>Goodwin, Irving 1964</b>
Box 11, Folder 7	<b>Goody, Richard M. 1973</b>
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Box 11, Folder 8	<b>Goudsmit, S. A. 1951-1955; 1958; 1960; 1965-1966</b>
Box 11, Folder 9	<b>Gough, Douglas 1974</b>
Box 11, Folder 10	<b>Gove, H. E. 1957-1958; 1966</b>
Box 11, Folder 11	<b>Grace, Michael A. 1955</b>
Box 11, Folder 12	<b>Gratton L. 1964-1966</b>
Box 11, Folder 13	<b>Gray, George W. 1957-1959</b>
Box 11, Folder 14	<b>Green, Alex E. S. 1957-1959; 1964-1965</b>
Box 11, Folder 15	<b>Green, George 1950-1951; 1957</b>
Box 11, Folder 16	<b>Green, Louis C. 1968; 1975</b>
Box 11, Folder 17	<b>Greene, Douglas 1960-1984 See also: Series VI, Caltech talk Oct. 1984</b>
Box 11, Folder 18	<b>Greenstein, J. 1949; 1955-1956; 1958-1961; 1965-1966; 1968; 1980; 1984</b>
Box 11, Folder 19	<b>Grodzins, Lee 1967</b>
Box 11, Folder 20	<b>Grosse, A. V. 1946-1947</b>
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Box 11, Folder 22	<b>Grove, George R. 1949</b>
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Box 11, Folder 25	<b>Ga-Ge miscellaneous</b>
Box 11, Folder 26	<b>Gi-Gu miscellaneous</b>
Box 11, Folder 27	<b>Hahn, Thomas M, Jr. 1953</b>

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Box 11, Folder 28	<b>Haimoff, Elliot H. 1985</b>
Box 11, Folder 29	<b>Hall, Harvey 1951; 1958-1959</b>
Box 11, Folder 30	<b>Hall, Robert N. 1948-1950; 1954; 1956; 1981</b>
Box 11, Folder 31	<b>Hall, Tom 1973</b>
Box 11, Folder 32	<b>Hamilton, W. D. 1974</b>
	<b>Hammarberg, Helen V. See: Ridenour, Louis N.</b>
	<b>Handbuch der Physik See: Flügge, S.</b>
	<b>Handler, Philip See: Series V, National Academy of Sciences (NAS)</b>
Box 11, Folder 33	<b>Hanna, Stanley S. 1950; 1957; 1961 See also: Hartline, H. K.</b>
Box 11, Folder 34	<b>Hansen, Carl J. 1967; 1971-1972; 1974</b>
Box 11, Folder 35	<b>Harnwell, Gaylord P. 1949-1950</b>
Box 11, Folder 36	<b>Harrison, Milton M. 1960</b>
Box 11, Folder 37	<b>Harrison, R. Stewart 1966; 1973; 1980</b>
Box 11, Folder 38	<b>Harrison, Thomas G. 1970-1971; 1973</b>
Box 11, Folder 39	<b>Hartline, H. K. 1954</b>
Box 11, Folder 40	<b>Harvard College Observatory 1958</b>
Box 11, Folder 41	<b>Harvey, Alec 1966</b>
Box 11, Folder 42	<b>Hausman, Hershel J. 1964</b>
Box 11, Folder 43	<b>Havens, W. W., Jr. 1954; 1957; 1969; 1975; 1981; 1983</b>
Box 11, Folder 44	<b>Hawthorne, Sir William 1969-1970; 1972; 1975</b>
Box 11, Folder 45	<b>Hayashi, Chushiro 1957; 1959; 1960-1962</b>
Box 11, Folder 46	<b>Haymes, Robert C. 1964</b>
Box 11, Folder 47	<b>Haynes, Sherwood K. 1950; 1957; 1959-1960</b>
Box 11, Folder 48	<b>Hayward, Admiral John T. 1960; 1962; 1981</b>
Box 11, Folder 49	<b>Hebbard, Dale F. 1960-1966; 1975</b>
Box 11, Folder 50	<b>Heer, Ray R., Jr. 1956; 1959</b>
Box 11, Folder 51	<b>Helmholz, Carl 1956; 1959</b>
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Box 11, Folder 53	<b>Henderson, J. E. 1949-1950</b>
Box 11, Folder 54	<b>Henry, Louis G. 1956; 1958-1959; 1962; 1964</b>
Box 12, Folder 1	<b>Herb, Raymond G. 1948; 1950-1951; 1953-1954; 1967</b>
Box 12, Folder 2	<b>Herbig, George H. 1961</b>
Box 12, Folder 3	<b>Hertenstein, Wesley 1947-1950; 1952</b>
Box 12, Folder 4	<b>Hester, Ross E. 1957; 1959-1960</b>
Box 12, Folder 5	<b>Hill, Albert G. 1952; 1954; 1963-1964</b>
Box 12, Folder 6	<b>Hill, Henry A. 1974-1975</b>
Box 12, Folder 7	<b>Hillman Motor Car 1974</b>
	<b>Hilton, Henry H. See: Selective Service System</b>
Box 12, Folder 8	<b>Hinds, Stanley 1976</b>
Box 12, Folder 9	<b>Hodgkin, D. K. R. 1965</b>
Box 12, Folder 10	<b>Hofstadter, Robert 1951; 1954; 1956-1958; 1962-1963; 1965; 1973; 1977</b>
Box 12, Folder 11	<b>Holbrow, Charles 1980-1984</b>
Box 12, Folder 12	<b>Holmgren, H. D. 1957-1959</b>
Box 12, Folder 13	<b>Hoover, Harold R. 1963</b>
Box 12, Folder 14	<b>Hornyak, William F. 1950; 1953</b>
Box 12, Folder 15	<b>Houston, W. V. 1953; 1958; 1963</b>
	<b>Hoyle, Fred</b>
Box 12, Folder 16	<b>1956-1958; 1960-1962; 1964-1967</b>
Box 12, Folder 17	<b>1968-1983; n.d.</b>
Box 12, Folder 18	<b>Coverways Smog Control Project 1962-1963</b>
Box 12, Folder 19	<b>UNESCO Kalinga Prize nomination 1966 See also: Butler, Jacqueline; Ne'eman, Yuval; Series II, Part C, Lauritsen Memorial Lecture; Series VI, symposium July 15-19, 1975 Series X, Cambridge University</b>
Box 12, Folder 20	<b>Hubbard, Howard N. 1959-1960</b>
Box 12, Folder 21	<b>Hufbauer, Karl 1978; 1980</b>
Box 12, Folder 22	<b>Huizenga, John R. 1958-1959; 1976</b>
Box 12, Folder 23	<b>Humblet, Jean 1953-1954; 1957; 1961-1963; 1969-1970; 1973; 1977</b>
Box 12, Folder 24	<b>H-He miscellaneous</b>

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Box 12, Folder 25	<b>H-Hy miscellaneous</b>
Box 13, Folder 1	<b>Iben, Icko, Jr. 1960; 1965; 1967-1970; 1984-1985</b>
Box 13, Folder 2	<b>Ingerson, Earl 1964-1965</b>
Box 13, Folder 3	<b>Inglis, D. R. 1948-1949; 1956; 1969</b>
Box 13, Folder 4	<b>Institute of Aerospace Sciences (IAS) 1960</b>
Box 13, Folder 5	<b>Institute of Theoretical Astronomy (IOTA) 1968-1972; 1974</b>
Box 13, Folder 6	<b>I miscellaneous</b>
Box 13, Folder 7	<b>Jackson, Larry A. 1966</b>
Box 13, Folder 8	<b>Jarmie, Nelson 1953-1954; 1956</b>
Box 13, Folder 9	<b>Jastrow, Robert 1956; 1960</b>
Box 13, Folder 10	<b>Jelley, John V. 1957; 1964; 1966; 1970-1971</b>
Box 13, Folder 11	<b>Jenkins, F. A. 1948-1949; 1953</b>
Box 13, Folder 12	<b>Jenson, Hans D. 1953; 1956; 1958</b>
Box 13, Folder 13	<b>Jentschke, W. 1956</b>
Box 13, Folder 14	<b>Jessup, Catharine A. 1970-1971</b>
Box 13, Folder 15	<b>John Simon Guggenheim Memorial Foundation 1952-1957; 1959-1960; 1966; 1970-1972</b>
Box 13, Folder 16	<b>John Wiley and Sons Inc. 1951; 1953; 1956</b>
Box 13, Folder 17	<b>Johnson, Fred M. 1972-1974</b>
Box 13, Folder 18	<b>Johnson, Hollis R. 1967-1968; 1978</b>
Box 13, Folder 19	<b>Johnson, Hugh M. 1962</b>
Box 13, Folder 20	<b>Johnson, Paul S. 1960</b>
Box 13, Folder 21	<b>Jones, Hardy 1956; 1960</b>
Box 13, Folder 22	<b>Jossem, Leonard E. 1979-1980; 1985</b>
Box 13, Folder 23	<b>J miscellaneous</b>
Box 13, Folder 24	<b>Kaplan, Joseph G. 1947-1949; 1952-1953; 1959; 1965; 1968</b>
Box 13, Folder 25	<b>Kaplon, M. F. 1958; 1960; 1961</b>
Box 13, Folder 26	<b>Kashiwabara, Naomi 1986</b>
Box 13, Folder 27	<b>Katz, Leon 1951; 1965; 1967</b>
Box 13, Folder 28	<b>Keepin, George 1950; 1952</b>
Box 13, Folder 29	<b>Kelleher, Alfred 1956; 1959</b>
Box 13, Folder 30	<b>Kellogg, Jerry M. B. 1953; 1956; 1959-1960</b>
Box 13, Folder 31	<b>Kemp, Rose 1969</b>
Box 13, Folder 32	<b>Kennedy, John F. (Committee of Arts, Letters and Sciences for John F. Kennedy for President) 1960</b>
Box 13, Folder 33	<b>Keuffel and Esser Co. 1971; 1975</b>
Box 13, Folder 34	<b>Keyworth, George A. 1981; 1992</b>
Box 13, Folder 35	<b>King, E. Bolton 1948; 1954</b>
Box 13, Folder 36	<b>King, R. B. 1958</b>
Box 13, Folder 37	<b>Kingsbury, Bruce F. 1958-1961; 1963-1964; 1966</b>
Box 13, Folder 38	<b>Kinsey, Bernard B. 1951; 1968</b>
Box 13, Folder 39	<b>Kinsey, E. Lee 1959-1961</b>
Box 13, Folder 40	<b>Klapdor, H. V. 1981</b>
Box 13, Folder 41	<b>Klauder, John R. 1976</b>
Box 13, Folder 42	<b>Kloda, Samuel S. 1970; 1975</b>
Box 13, Folder 43	<b>Koch, H. William 1979-1987</b>
Box 13, Folder 44	<b>Kohman, Truman P. 1957; 1960-1962; 1964; 1966; 1970</b>
Box 13, Folder 45	<b>Kolker, Berndt L. 1969</b>
Box 13, Folder 46	<b>Kolstad, George A. 1948; 1955; 1967</b>
Box 13, Folder 47	<b>Kone, Eugene H. 1956; 1970</b>
Box 13, Folder 48	<b>Kopal, Zdenek 1957</b>
Box 13, Folder 49	<b>Korff, Serge A. 1963-1965</b>
Box 13, Folder 50	<b>Kotani, Masao 1950; 1952</b>
Box 14, Folder 1	<b>Krane, Kenneth S. 1980; 1986</b>
Box 14, Folder 2	<b>Kraus, Alfred J. 1953-1954; 1958</b>
Box 14, Folder 3	<b>Kuchowicz, Bronislaw 1967-1968; 1971; 1973-1974</b>
Box 14, Folder 4	<b>Kuper, J. B. Horner 1949; 1954</b>
Box 14, Folder 5	<b>Kurbatov, J. D. 1949</b>

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Box 14, Folder 6	<b>Kuroda, P. K. 1966; 1970</b>
Box 14, Folder 7	<b>Kyhl, Robert 1948</b>
Box 14, Folder 8	<b>Kynaston, A. M. 1961</b>
Box 14, Folder 9	<b>K miscellaneous</b>
Box 14, Folder 10	<b>Lal, Devendra 1975; 1977; 1984-1986</b>
Box 14, Folder 11	<b>Lamb, W. A. S. 1955-1959; 1961; 1967</b>
Box 14, Folder 12	<b>Lane, Harold H. 1963-1964; 1967</b>
Box 14, Folder 13	<b>Langmuir, Robert V. 1948</b>
Box 14, Folder 14	<b>Lansing, N. F. 1951-1952</b>
Box 14, Folder 15	<b>Lapp, Ralph E. 1949; 1952</b>
Box 14, Folder 16	<b>Larson, C. E. 1954; 1985</b>
Box 14, Folder 17	<b>Larson, James D. 1964</b>
Box 14, Folder 18	<b>Lau, Weber 1975</b>
Box 14, Folder 19	<b>Laue, Ralph O. 1965</b>
	<b>Lauritsen, Charles C.</b>
Box 14, Folder 20	<b>1940; 1942; 1949; 1959; 1966; 1968; 1972; 1975</b>
Box 14, Folder 21	<b>Memorial service 1968</b>
	<b>Lauritsen, Thomas</b>
Box 14, Folder 22	<b>1949; 1952-1955; 1957-1958; 1960-1963; 1965-1966; 1971-1972; 1974; n.d.</b>
Box 14, Folder 23	<b>Memorial service 1973</b>
Box 14, Folder 24	<b>Lebovitz, Norman 1966-1967</b>
Box 14, Folder 25	<b>Ledoux, Paul 1953; 1958; 1964; 1966; 1988</b>
Box 14, Folder 26	<b>Lee, John C. H., Jr. 1952</b>
Box 14, Folder 27	<b>Legget, D. M. A. 1954-1955</b>
Box 14, Folder 28	<b>Lemonick, Aaron 1959; 1975</b>
Box 14, Folder 29	<b>Lewis, W. Bead 1957</b>
Box 14, Folder 30	<b>Libby, William F. 1962</b>
Box 14, Folder 31	<b>Library of Congress 1948; 1950; 1973</b>
Box 14, Folder 32	<b>Liddel, Urner 1954; 1962</b>
Box 14, Folder 33	<b>Likely, Audrey 1977; 1982 See also: Series VI, AIP meeting Feb. 1977</b>
Box 14, Folder 34	<b>Liller, William 1964; 1968</b>
Box 14, Folder 35	<b>Lima, Ohio [Willy Fowler's hometown] 1979; 1984; 1993</b>
Box 14, Folder 36	<b>Lindvall, Frederick C. 1953</b>
Box 14, Folder 37	<b>Lippincott, Sara Lee 1964-1965</b>
	<b>Liss, Alan R. See: Academic Press Inc.</b>
Box 15, Folder 1	<b>Lockheed Aircraft Corp. 1956-1959; 1964-1968 See also: Fisher, Philip C.; Ridenour, Louis N.</b>
	<b>Lodahl, Janice 1968</b>
Box 15, Folder 2	<b>Loh, Edwin 1986</b>
Box 15, Folder 3	<b>Loomis, F. Wheeler 1958-1959; 1961</b>
Box 15, Folder 4	<b>Los Angeles Academy of Medicine 1966-1967</b>
Box 15, Folder 5	<b>Los Angeles Live Steamers 1971-1972</b>
Box 15, Folder 6	<b>Los Angeles Rams Football Club 1949; 1955; 1958; 1967-1968</b>
Box 15, Folder 7	<b>Loughridge, Donald H. 1938; 1948-1949; 1951; 1955; 1957; 1959; 1960; 1967</b>
Box 15, Folder 8	<b>Lovering, John F. 1963; 1965-1966</b>
Box 15, Folder 9	<b>Luce, John S. 1955</b>
Box 15, Folder 10	<b>Lyttleton, Raymond A. 1960; 1962; 1974</b>
Box 15, Folder 11	<b>L miscellaneous</b>
Box 15, Folder 12	<b>Macallister, S. A. 1952; 1961; 1965</b>
Box 15, Folder 13	<b>MacCallum, Crawford J. 1967</b>
Box 15, Folder 14	<b>MacDonald, W. N. 1953-1954 See also: Goode, Harry H.</b>
Box 15, Folder 15	<b>Mackin, Robert J., Jr. 1952; 1954-1956; 1963; 1967</b>
Box 15, Folder 16	<b>Macklin, Richard L. (Dick) 1958; 1962-1966; 1970-1972; 1981; 1984</b>
Box 15, Folder 17	<b>Maddox, John 1980; 1989</b>
Box 15, Folder 18	<b>Major, John K. 1958; 1963</b>
Box 15, Folder 19	<b>Mak, Hay Boon 1973-1975</b>
Box 15, Folder 20	<b>Malaney, Robert A. 1984; 1987; 1989</b>
Box 15, Folder 21	<b>Malik, F. B. 1958-1959</b>
Box 15, Folder 22	

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Box 15, Folder 23	<b>Malmberg, Philip 1954</b>
Box 15, Folder 24	<b>Manley, John H. 1953; 1967</b>
Box 15, Folder 25	<b>Manning, Thurston E. 1963</b>
Box 15, Folder 26	<b>Marion, Jerry B. 1956-1957; 1959-1960; 1962-1964; 1975</b>
Box 15, Folder 27	<b>Marshak, R. E. 1951</b>
Box 15, Folder 28	<b>Marshall, Leona 1957; 1959</b>
Box 15, Folder 29	<b>Marshall, Thomas, Jr. 1960</b>
Box 15, Folder 30	<b>Marti, Kurt 1984-1985</b>
Box 15, Folder 31	<b>Marx, George 1974-1975</b>
Box 15, Folder 32	<b>Masani, Alberto 1966</b>
Box 15, Folder 33	<b>Massevich, A. 1973; 1989</b>
Box 15, Folder 34	<b>Massey, George E. 1963-1964</b>
Box 15, Folder 35	<b>Mathis, John 1959</b>
Box 15, Folder 36	<b>Mattauch, Joseph 1954; 1960-1961; 1963-1965</b>
Box 15, Folder 37	<b>Maxstadt, F. W. 1957-1958</b>
Box 15, Folder 38	<b>May, Michael M. 1967</b>
Box 15, Folder 39	<b>Mayal, Nicholas U. 1963</b>
Box 16, Folder 1	<b>McCrea, William H. 1956; 1958; 1962; 1966; 1969; 1973</b>
Box 16, Folder 2	<b>McGraw-Hill Book Co. 1953-1961; 1963; 1965-1970; 1973-1974</b>
Box 16, Folder 3	<b>McIntyre, John A. 1957; 1962-1963</b>
Box 16, Folder 4	<b>McLaren, Robert 1979-1980</b>
Box 16, Folder 5	<b>McLean, William B. 1956; 1973</b>
Box 16, Folder 6	<b>McMahon, Allen J. 1962-1963</b>
Box 16, Folder 7	<b>McMillan, Edwin W. 1947; 1950-1953; 1956; 1958-1959</b>
Box 16, Folder 8	<b>McNally, J. Rand, Jr. 1964-1966; 1968; 1972</b>
Box 16, Folder 9	<b>McVittie, George C. 1964-1965</b>
Box 16, Folder 10	<b>Mellott, Adrian L. 1986</b>
Box 16, Folder 11	<b>Menon, M. G. K. 1968</b>
Box 16, Folder 12	<b>Menzel, Donald H. 1958-1961; 1963-1964; 1966-1967</b>
Box 16, Folder 13	<b>Meredith, L. H. 1963; 1988</b>
Box 16, Folder 14	<b>Meshkov, Sidney 1959</b>
Box 16, Folder 15	<b>Messel, H. 1963</b>
Box 16, Folder 16	<b>Mestel, L. 1974-1975; 1978</b>
Box 16, Folder 17	<b>Meyerhof, Walter E. 1953; 1961; 1963</b>
Box 16, Folder 18	<b>Meyerott, Roland E. 1954; 1956-1958</b>
Box 16, Folder 19	<b>Michaels, E. L. 1959-1960</b>
Box 16, Folder 20	<b>Michaud, Georges 1965-1972; 1981</b>
Box 16, Folder 21	<b>Michel, F. Curtis 1962-1966; 1973-1974; 1977</b>
Box 16, Folder 22	<b>Michener, L. R. 1953</b>
Box 16, Folder 23	<b>Mileikowsky, Curt 1952-1953; 1955; 1957</b>
Box 16, Folder 24	<b>Miller, Dan W. 1958; 1966</b>
Box 16, Folder 25	<b>Miller, James G. 1951; 1967</b>
Box 16, Folder 26	<b>Miller, J. R. 1956-1957</b>
Box 16, Folder 27	<b>Miller, Stanley 1961; 1963</b>
Box 16, Folder 28	<b>Miller, Allen C., II 1982-1983</b>
Box 16, Folder 29	<b>Milligan, W. O. 1957; 1969</b>
Box 16, Folder 30	<b>Millikan, Robert A. 1938; 1947</b>
	<b>Millsaps, Knox See: Series V, U.S. Air Force Missile Development Center</b>
Box 16, Folder 31	<b>Milne, Edmund A. 1952; 1954</b>
Box 16, Folder 32	<b>Mitchell, Allan C. G. 1938; 1949; 1951</b>
Box 16, Folder 33	<b>Mitchell, Lawrence C. 1969; 1973</b>
Box 16, Folder 34	<b>Mitler, Henry E. 1964; 1966; 1969-1970</b>
Box 16, Folder 35	<b>Moak, Charlie D. 1953; 1959; 1961</b>
Box 16, Folder 36	<b>Moe, Henry A. 1961-1962 See also: John Simon Guggenheim Memorial Foundation</b>
Box 16, Folder 37	<b>Mooney, W. T., Jr. 1960</b>
Box 16, Folder 38	<b>Moore, Hugh 1962</b>
	<b>Morrison, William See: Film Editing Service</b>
	<b>Morse, Philip M. See: <i>Annals of Physics</i></b>

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Box 16, Folder 39	<b>Mozer, Forrest 1954-1960; 1963; n.d. See also: Selective Service System</b>
Box 16, Folder 40	<b>Mozingo, Kay 1961</b>
	<b>Muchmore, Don M. See: California Museum Foundation</b>
Box 16, Folder 41	<b>Mulders, Gerard F. W. 1956; 1963-1968</b>
Box 16, Folder 42	<b>Müller, Edith A. 1967; 1971</b>
Box 16, Folder 43	<b>Munro, George C. 1982</b>
Box 16, Folder 44	<b>Murphy, Senator George 1970</b>
Box 16, Folder 45	<b>del Musgrove, A. R. 1969-1970</b>
Box 16, Folder 46	<b>Muskie, Senator Edmund S. 1967</b>
Box 16, Folder 47	<b>Musson, Noverre 1967</b>
Box 16, Folder 48	<b>Mutschlecner, J. Paul 1963; 1971</b>
Box 16, Folder 49	<b>Ma-Me miscellaneous</b>
Box 16, Folder 50	<b>Mi-Mu miscellaneous</b>
Box 17, Folder 1	<b>Narlikar, Jayant V. 1972-1973; 1975</b>
Box 17, Folder 2	<b>NASA (re: Naugle, John) 1972-1973</b>
Box 17, Folder 3	<b>Nash, H. H. G. 1947; 1954</b>
Box 17, Folder 4	<b>National Broadcasting Company (NBC) 1949; 1962</b>
Box 17, Folder 5	<b>National Geographic 1974-1975</b>
Box 17, Folder 6	<b>Nature 1966; 1969; 1972</b>
Box 17, Folder 7	<b>Natuur en Techniek 1971</b>
Box 17, Folder 8	<b>Neddermeyer, Seth H. 1949; 1963</b>
Box 17, Folder 9	<b>Ne'eman, Yuval 1965; 1972</b>
Box 17, Folder 10	<b>Nero, Anthony 1972-1973</b>
Box 17, Folder 11	<b>New Scientist 1964; 1970</b>
Box 17, Folder 12	<b>Newson, Henry W. 1955; 1961; 1965</b>
Box 17, Folder 13	<b>Newton, C. 1958</b>
	<b>Nickerson, Douglas B. See: Series XII, The Athenaeum Round Table photos</b>
Box 17, Folder 14	<b>Nier, Alfred O. C. 1953-1954; 1957</b>
Box 17, Folder 15	<b>Nierenberg, William 1959-1960</b>
Box 17, Folder 16	<b>Nieto, M. M. 1986-1987</b>
Box 17, Folder 17	<b>Nilsson, Sven Gösta 1968; 1970</b>
Box 17, Folder 18	<b>Nobel Committee for Physics 1956; 1967-1968; 1972; 1976</b>
Box 17, Folder 19	<b>Noerdlinger, Peter 1988</b>
Box 17, Folder 20	<b>Nordheim, L. W. 1959, 1961</b>
Box 17, Folder 21	<b>Norman, Eric B. 1987</b>
Box 17, Folder 22	<b>Norwegian Nobel Committee 1989</b>
Box 17, Folder 23	<b>Nuclear Applications 1968</b>
Box 17, Folder 24	<b>Nucleonics 1955</b>
Box 17, Folder 25	<b>N miscellaneous</b>
Box 17, Folder 26	<b>O'Connell, D. 1969; 1970-1971</b>
Box 17, Folder 27	<b>Oedekerck, Harry 1956; 1965</b>
Box 17, Folder 28	<b>Office of Naval Research 1953-1954</b>
Box 17, Folder 29	<b>O'Hern, Elizabeth M. 1989</b>
Box 17, Folder 30	<b>Ohio State University 1986-1987; 1994</b>
Box 17, Folder 31	<b>O'Keefe, John A. 1959</b>
Box 17, Folder 32	<b>Olmsted, Samuel F. 1961; 1969; 1970</b>
Box 17, Folder 33	<b>Oort, J. H. 1957; 1970</b>
Box 17, Folder 34	<b>Oppenheimer, J. Robert 1939; 1941; 1956-1957; 1960; 1962; 1968; 1974-1975; n.d.</b>
Box 17, Folder 35	<b>Ordway, Frederick I. 1964</b>
Box 17, Folder 36	<b>Osterbrock, Donald E. 1953; 1961</b>
Box 17, Folder 37	<b>Otsuki, R. 1948</b>
Box 17, Folder 38	<b>Otting, William J., Jr. 1956-1960</b>
Box 17, Folder 39	<b>Outten, Burnet, Jr. 1962; 1968</b>
Box 17, Folder 40	<b>Overhage, Carl F. J. 1936; 1956-1958; 1961; 1966</b>
Box 17, Folder 41	<b>Owen, T. M. 1958</b>
Box 17, Folder 42	<b>O miscellaneous</b>
Box 17, Folder 43	<b>Pacific Science Center Foundation 1963</b>
Box 17, Folder 44	<b>Pacini, Franco 1967, 1968; 1971</b>

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Box 17, Folder 45	<b>Pagel, Bernard 1965; 1969-1970; 1973; 1975; 1984</b>
Box 17, Folder 46	<b>Parker, Allan E. 1964-1965</b>
Box 17, Folder 47	<b>Parker, Barry 1988</b>
Box 17, Folder 48	<b>Parker, E. N. 1964; 1973; 1976</b>
Box 17, Folder 49	<b>Parker, H. M. 1965</b>
Box 17, Folder 50	<b>Parker, Peter D. 1966-1968; 1970-1973; 1975</b>
Box 17, Folder 51	<b>Parkinson, W. C. 1956-1957; 1963-1964; 1970</b>
Box 17, Folder 52	<b>Pasachoff, Jay 1968; 1973-1975; 1984-1989</b>
Box 17, Folder 53	<b>Payne-Gaposchkin, Cecilia 1957-1958</b>
Box 18, Folder 1	<b>Peaslee, D. C. 1949; 1954; 1961</b>
Box 18, Folder 2	<b>Perrson, Borje 1972</b>
Box 18, Folder 3	<b>Perry, Joseph E. Jr. 1948-1949; 1951-1953; 1957</b>
Box 18, Folder 4	<b>Peters, Philip C. 1964-1965</b>
Box 18, Folder 5	<b>Phillips, G. C. 1961; 1965-1966; 1968</b>
Box 18, Folder 6	<b><i>Physical Review</i> 1948-1954; 1960; 1962-1964; 1966; 1972-1976</b>
Box 18, Folder 7	<b>Physical Society 1957</b>
Box 18, Folder 8	<b><i>Physics Teacher</i> 1964; 1967-1968; 1972</b>
Box 18, Folder 9	<b>Pickering, W. H. 1948; 1959; 1961; 1969; 1972; 1974; 1976; 1982</b>
Box 18, Folder 10	<b>Piore, Emmanuel R. 1952-1954; 1967; 1970; 1975</b>
Box 18, Folder 11	<b>Pixley, Ralph E. 1952; 1957; 1959-1960</b>
Box 18, Folder 12	<b>Plesset, Milton 1949; 1960; 1966</b>
Box 18, Folder 13	<b>Popper, Daniel M. 1986</b>
Box 18, Folder 14	<b>Powell, A. L. T. 1970-1973</b>
Box 18, Folder 15	<b>Prentice-Hall, Inc. 1954; 1956-1957; 1965</b>
Box 18, Folder 16	<b>Press, Frank 1971; 1975; 1977; 1981-1984 See also: Series V, NAS Nominating Committee</b>
Box 18, Folder 17	<b>Press, William H. 1985; 1988</b>
Box 18, Folder 18	<b>Price, P. Buford 1971; 1967; 1975</b>
Box 18, Folder 19	<b>Price, William J. 1964</b>
Box 18, Folder 20	<b>Prowse, D. J. 1964</b>
Box 18, Folder 21	<b>Przybylski, A. 1965</b>
Box 18, Folder 22	<b>Pa-Pl miscellaenous</b>
Box 18, Folder 23	<b>Po-Pu miscellaneous</b>
Box 18, Folder 24	<b>Rabin, Arnold 1960-1961</b>
Box 18, Folder 25	<b>Radicati, Luigi A. 1969; 1970; 1972; 1975</b>
Box 18, Folder 26	<b>Rakavy, Gideon 1966-1967; 1970</b>
Box 18, Folder 27	<b>Ralston, O. C. See: Ravitz, S. F.</b>
Box 18, Folder 28	<b>Ramsey, Hal H. 1958; 1973</b>
Box 18, Folder 29	<b>Ramsey, Norman F. 1960; 1968; 1973-1974</b>
Box 18, Folder 30	<b>Rasmussen, Volney K. 1956; 1960-1961 See also: Series VI, memorial service Oct. 27, 1983</b>
Box 18, Folder 31	<b>Ravitz, S, F. 1948</b>
Box 18, Folder 32	<b>Raz, B. James 1965</b>
Box 18, Folder 33	<b>Reed, George W., Jr. 1958; 1968</b>
Box 18, Folder 34	<b>Rees, Martin J. 1973-1975; 1981; 1989 See also: American Friends of Cambridge University; Series VI, symposium July 15-19, 1975</b>
Box 18, Folder 35	<b>Reeves, Hubert 1959; 1961-1972</b>
Box 18, Folder 36	<b>Reines, Frederick 1954; 1959-1960; 1962; 1968-1969; 1972; 1988</b>
Box 18, Folder 37	<b>Renken, James H. 1962-1964</b>
Box 18, Folder 38	<b>Reprint correspondence 1968-1974</b>
Box 18, Folder 39	<b>Revelle, Roger 1952; 1956; 1959; 1966</b>
Box 18, Folder 40	<b><i>Review of Scientific Instruments</i> 1947; 1950-1951</b>
Box 18, Folder 41	<b><i>Reviews of Modern Physics</i> 1947; 1950-1951; 1964; 1966; 1970</b>
Box 19, Folder 1	<b>Reynolds, John 1960-1963; 1966; 1968; 1971</b>
Box 19, Folder 2	<b>Richards, Hugh T. 1972</b>
Box 19, Folder 3	<b>Ridenour, Louis N. 1937; 1953-1954; 1956-1959 See also: Lockheed Aircraft Corp.</b>
Box 19, Folder 4	<b>Roberts, James H. 1950; 1958-1959</b>
	<b>Roberts, Richard 1953; 1956; 1963; 1975</b>

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Box 19, Folder 5	<b>Robertson, H. P. 1956; 1958</b>
Box 19, Folder 6	<b>Robinson, Denis M. 1954; 1956; 1958-1960; 1968-1969</b>
Box 19, Folder 7	<b>Rochester, G. D. 1969</b>
Box 19, Folder 8	<b>Rodgers, Thomas E. 1964-1965</b>
Box 19, Folder 9	<b>Rodney, William S. 1963, 1967, 1971</b>
Box 19, Folder 10	<b>Rogers, Eric M. 1960</b>
Box 19, Folder 11	<b>Rogosa, George L. 1961; 1968-1969; 1974</b>
Box 19, Folder 12	<b>Rolfs, Claus 1973-1975; 1984-1991</b>
Box 19, Folder 13	<b>Roman, Nancy G. 1962-1963</b>
Box 19, Folder 14	<b>Rood, Robert T. 1971; 1973-1975; 1983; 1987; 1988; n.d.</b>
Box 19, Folder 15	<b>Rosenburg, Charles 1987</b>
Box 19, Folder 16	<b>Rossi, Bruno 1966; 1968-1969; 1971</b>
Box 19, Folder 17	<b>Roughton, N. A. 1975</b>
Box 19, Folder 18	<b>Rouse, Carl A. 1972-1973</b>
Box 19, Folder 19	<b>Rowan-Robinson, Michael 1972-1973; 1986</b>
Box 19, Folder 20	<b>Rowley, Neil 1980</b>
Box 19, Folder 21	<b>Roxburgh, Ian W. 1966; 1970; 1974</b>
Box 19, Folder 22	<b>Royal Swedish Academy 1992</b>
Box 19, Folder 23	<b>Rubin, Sylvan 1941; 1947; 1951-1954; 1956; 1964; 1971</b>
Box 19, Folder 24	<b>Rumbaugh, L. H. 1937</b>
Box 19, Folder 25	<b>Russell, John A. 1961</b>
Box 19, Folder 26	<b>Ra-Re miscellaneous</b>
Box 19, Folder 27	<b>Ri-Ry miscellaneous</b>
Box 20, Folder 1	<b>Sagane, R. 1949</b>
Box 20, Folder 2	<b>Salam, Abdus 1965-1968</b>
Box 20, Folder 3	<b>Salpeter, E. E. 1949-1961; 1963; 1969; 1971-1974; 1985; 1990; n.d. See also: Series VI, Moscow talk Aug. 1958</b>
Box 20, Folder 4	<b>Sandage, Allan 1961; 1972-1973; 1988; n.d. (ca.1989); 1990</b>
Box 20, Folder 5	<b>Sargent, Wallace L. W. 1974-1975; 1994 See also: Series VI, symposium July 15-19, 1975; Series X, baseball bets</b>
Box 20, Folder 6	<b>Sargood, D. G. 1989</b>
Box 20, Folder 7	<b>Saturday Evening Post 1959-1960</b>
Box 20, Folder 8	<b>Savedoff, Malcom P. 1956; 1965; 1967</b>
Box 20, Folder 9	<b>Scalo, John 1988</b>
Box 20, Folder 10	<b>Scarsi, Livio 1969</b>
Box 20, Folder 11	<b>Schadee, Aert 1983</b>
Box 20, Folder 12	<b>Schaeffer, O. A. 1965-1966</b>
Box 20, Folder 13	<b>Schardt, Alois W. 1950-1953; 1955-1956</b>
	<b>Scheer, Bradley See: Series XII, photos</b>
Box 20, Folder 14	<b>Schiff, Leonard I. 1938; 1947-1958; 1961; 1967; 1971-1972</b>
Box 20, Folder 15	<b>Schmitt, Francis O. 1959</b>
Box 20, Folder 16	<b>Schmitt, Roman A. 1959; 1962; 1964-1966 See also: Goles, Gordon</b>
Box 20, Folder 17	<b>Schmitz, T. J. 1984-1985</b>
Box 20, Folder 18	<b>Schramm, David N. 1970; 1973; 1976; 1980; 1985; 1993 See also: Grodzins, Lee</b>
Box 20, Folder 19	<b>Schuman, R. P. 1956; 1968</b>
Box 20, Folder 20	<b>Sciama, Dennis 1957; 1963; 1973</b>
Box 20, Folder 21	<b>Science 1958; 1960; 1963-1969; 1975</b>
Box 20, Folder 22	<b>Scientific American 1956-1959; 1962-1964; 1969; 1972-1974</b>
Box 20, Folder 23	<b>Scientific Monthly 1947; 1957</b>
Box 20, Folder 24	<b>Scott, Mary Jean 1957; 1959</b>
Box 20, Folder 25	<b>Seaborg, Glenn T. 1956; 1960 See also: Cosmos Club</b>
Box 20, Folder 26	<b>Seagrave, John 1950-1951</b>
Box 20, Folder 27	<b>Searle, Leonard 1965; 1972</b>
Box 20, Folder 28	<b>Sears, Richard L. 1960-1962; 1965-1966</b>
Box 20, Folder 29	<b>Seeger, Philip A. 1959-1960; 1963-1966; 1968-1971</b>
	<b>Segrè, Emilio See: Annual Review of Nuclear Physics</b>
Box 20, Folder 30	<b>Seitz, Frederick 1954; 1961</b>
Box 20, Folder 31	<b>Selective Service (re: deferments) 1953-1956; 1958; 1963-1964; 1966-1968</b>

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Box 20, Folder 32	<b>Sellschop, J. P. Friedel 1960; 1964-1967; 1969; 1972</b>
Box 20, Folder 33	<b>Serber, Robert 1953; 1956; 1963</b>
Box 20, Folder 34	<b>Setti, Giancarlo 1972; 1985; n.d.</b>
Box 20, Folder 35	<b>Shankland, Robert S. 1953; 1961; 1967; 1975</b>
Box 20, Folder 36	<b>Shapero, Don 1988; 1991</b>
Box 20, Folder 37	<b>Shelton, Frank 1989-1992</b>
Box 20, Folder 38	<b>Shen, S. P. 1963; 1974-1975</b>
Box 20, Folder 39	<b>Sheppard, Charles 1942</b>
Box 20, Folder 40	<b>Sherburne, E. G. 1963 See also: American Association for the Advancement of Science</b>
Box 20, Folder 41	<b>Sherr, Rubby 1951-1953; 1955-1956; 1959-1960; 1962</b>
Box 20, Folder 42	<b>Shivanandan, Kandiah 1969; 1971</b>
Box 20, Folder 43	<b>Shrum, G. M. 1949-1951</b>
Box 20, Folder 44	<b>Shull, Michael 1986</b>
Box 21, Folder 1	<b>Sickman, Darrell V. 1964</b>
Box 21, Folder 2	<b>Siegel, Robert T. 1961; 1967</b>
Box 21, Folder 3	<b>Silverman, Shirleigh 1957-1961; 1965; 1969</b>
Box 21, Folder 4	<b>Simpson, J. A. 1966; 1968-1970; 1974</b>
Box 21, Folder 5	<b>Singer, Fred S. 1957; 1965 See also: Cameron, A. G. W.</b>
Box 21, Folder 6	<b>Singh, P. P. 1975-1976</b>
Box 21, Folder 7	<b>Slabaugh, W. H. 1956-1957</b>
Box 21, Folder 8	<b>Slaughter, Hayes 1969; 1972</b>
Box 21, Folder 9	<b>Smith, Allen H. 1965; 1967-1968</b>
Box 21, Folder 10	<b>Smith, Gene 1963</b>
Box 21, Folder 11	<b>Smith, Hallett D. 1955; 1962</b>
Box 21, Folder 12	<b>Smith, Harding E. 1985</b>
Box 21, Folder 13	<b>Smith, Ruth A. 1970</b>
Box 21, Folder 14	<b>Smith, Wilbur M. 1957</b>
Box 21, Folder 15	<b>Snell, Arthur H. 1949-1950; 1956; 1966-1968; 1970-1971</b>
Box 21, Folder 16	<b>Snyder, Conway W. 1948-1950; 1954</b>
Box 21, Folder 17	<b>Society of Automotive Engineers 1965</b>
Box 21, Folder 18	<b>Soergel, Volker 1972; 1981-1982 See also: Lauritsen, T. 1962</b>
Box 21, Folder 19	<b>Sommer, G. 1957</b>
Box 21, Folder 20	<b>Space Technology Laboratories 1963-1964</b>
Box 21, Folder 21	<b>Spear, Ray 1969</b>
Box 21, Folder 22	<b>Speer, Herbert J. 1960-1961</b>
Box 21, Folder 23	<b>Spitzer, Lyman Jr. 1955; 1957; 1960; 1963</b>
Box 21, Folder 24	<b><i>Sporting News</i> 1960-1961; 1970</b>
Box 21, Folder 25	<b>Springer, K. F. 1965-1966</b>
Box 21, Folder 26	<b>Spruch, Grace M. 1977</b>
Box 21, Folder 27	<b>Stainback, Charles B. 1956; 1962</b>
Box 21, Folder 28	<b>Starrfield, Sumner 1979; 1981; 1984-1985</b>
Box 21, Folder 29	<b>Staub, Hans H. 1949; 1952-1953; 1960 See also: Series XII, photos</b>
Box 21, Folder 30	<b>Steigman, Gary 1974</b>
Box 21, Folder 31	<b>Stephens, William E. 1938; 1949; 1953-1954; 1958-1961; 1963; 1965; 1967; 1970-1971; 1974-1975; n.d.</b>
Box 21, Folder 32	<b>Stewart, Edna 1952-1953</b>
Box 21, Folder 33	<b>Stoy, R. H. 1973</b>
Box 21, Folder 34	<b>Stratton, William R. 1949; 1956</b>
Box 21, Folder 35	<b>Street, J. C. 1957-1958</b>
Box 21, Folder 36	<b>Strömgren, Bengt 1950; 1957-1958; 1960; 1963-1964</b>
Box 21, Folder 37	<b>Stuart, George W. 1960</b>
Box 21, Folder 38	<b>Stuewer, Roger H. 1977; 1986</b>
Box 21, Folder 39	<b>Sturrock, P. A. 1959-1960; 1964-1965</b>
Box 21, Folder 40	<b>Subudhi, K. S. 1959</b>
Box 21, Folder 41	<b>Suess, Hans 1956</b>
Box 21, Folder 42	<b>Sun, K. H. 1949-1950</b>
Box 21, Folder 43	<b>Sun Oil Co. 1946</b>

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Box 21, Folder 44	<b>Sundarachar, C. K. 1955-1956; 1964</b>
Box 21, Folder 45	<b>Sundberg, D. F. 1952; 1956</b>
Box 21, Folder 46	<b>Swamy, P. N. 1981</b>
Box 21, Folder 47	<b>Swenson, Robert 1983-1984</b>
Box 21, Folder 48	<b>Swiatecki, W. J. 1956-1957; 1965</b>
Box 21, Folder 49	<b>Swings, Pol 1956; 1960; 1962; 1969; 1982</b>
Box 21, Folder 50	<b>Switkowski, Zygmunt E. 1975-1976</b>
Box 21, Folder 51	<b>Symonds, J. L. 1954</b>
Box 21, Folder 52	<b>Sa-Se miscellaneous</b>
Box 21, Folder 53	<b>Sh-Si miscellaneous</b>
Box 21, Folder 54	<b>Sj-Sp miscellaneous</b>
Box 21, Folder 55	<b>St-Sy miscellaneous</b>
Box 22, Folder 1	<b>Tanner, Neil W. 1955; 1958-1961; 1987</b>
Box 22, Folder 2	<b>Taschek, R. F. 1949; 1966; 1969</b>
Box 22, Folder 3	<b>Tate, John T. 1947; 1949; n.d. See also: <i>Physical Review</i></b>
Box 22, Folder 4	<b>Taylor, Roger J. 1962-1964; 1966; 1972-1973; 1975; 1990</b>
	<b>Taylor, Richard P. See: U.S. Educational Commission</b>
Box 22, Folder 5	<b>Teller, Edward 1958-1959; 1963</b>
Box 22, Folder 6	<b>Temmer, G. M. 1975-1976</b>
Box 22, Folder 7	<b>Tenn, Joseph S. 1986</b>
Box 22, Folder 8	<b>Terrell, James 1959-1960; 1964; 1967</b>
Box 22, Folder 9	<b>Thiemens, Mark H. 1983</b>
Box 22, Folder 10	<b>Thirion, Jacques 1957; 1960-1961</b>
Box 22, Folder 11	<b>Thomas, C. 1973</b>
Box 22, Folder 12	<b>Thomas, Robert G. 1952-1956</b>
Box 22, Folder 13	<b>Thompson, Stanley G. 1956-1959; 1963; 1965; 1969</b>
Box 22, Folder 14	<b>Thorne, Kip 1966; 1968; 1972; 1975; n.d. See also: Series V, NAS Comstock Award Committee</b>
Box 22, Folder 15	<b>Thornhill, Eleanor 1960</b>
Box 22, Folder 16	<b>Throner, Guy C. 1984</b>
Box 22, Folder 17	<b>Tinbergen, Jan 1992</b>
Box 22, Folder 18	<b>Tinsley, Beatrice 1972; 1974; 1980-1981</b>
Box 22, Folder 19	<b>Titterton, E. W. 1953; 1958-1960; 1963-1965; 1982</b>
Box 22, Folder 20	<b>Tombrello, Thomas A. 1963; 1965; 1967; 1975; 1981</b>
Box 22, Folder 21	<b>Tomlinson, E. P. 1941; 1946; 1959-1960; 1963</b>
	<b>Tooper, Robert See: Selective Service System</b>
Box 22, Folder 22	<b>Town Hall of California 1959; 1967</b>
Box 22, Folder 23	<b>Trans World Airlines (TWA) 1967; 1975</b>
Box 22, Folder 24	<b>Trautman, Andrzej 1971-1973; n.d.</b>
Box 22, Folder 25	<b>Trimble, Virginia 1972; 1975; 1982-1983; 1991</b>
Box 22, Folder 26	<b>Trotter, Herbert 1956; 1958</b>
Box 22, Folder 27	<b>Truran, James 1970; 1972; 1974; 1980; 1981; 1989</b>
Box 22, Folder 28	<b>Tsuruta, S. 1974-1991</b>
Box 22, Folder 29	<b>Tufts, Nathan Jr. 1958-1960</b>
Box 22, Folder 30	<b>Turkevich, Anthony 1968; 1973</b>
Box 22, Folder 31	<b>Turner, Michael 1986</b>
Box 22, Folder 32	<b>T miscellaneous</b>
Box 22, Folder 33	<b>Ufford, C. W. 1949; 1954</b>
Box 22, Folder 34	<b>Ulmer, Melville 1984</b>
Box 22, Folder 35	<b>Ulrich, Roger K. 1971 See also: Popper, Daniel M.</b>
Box 22, Folder 36	<b>Union Carbide Nuclear Co. 1960</b>
Box 22, Folder 37	<b>University of Chicago Press 1960; 1970</b>
Box 22, Folder 38	<b>University of Wyoming Archives 1972-1973</b>
Box 22, Folder 39	<b>Unsöld, Albrecht 1961; 1980-1981</b>
Box 22, Folder 40	<b>Urey, Harold C. 1938-1940; 1954-1956; 1958; 1960-1961; 1963; 1965-1968; 1981</b>
Box 22, Folder 41	<b>U. S. Educational Commission in the United Kingdom 1954</b>
Box 22, Folder 42	<b>U miscellaneous</b>
Box 23, Folder 1	<b>de Vaucouleurs, G. 1964</b>

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Box 23, Folder 2	<b>Vakselj, Marko 1960; 1962</b>
Box 23, Folder 3	<b>Van Allen, J. A. 1951; 1955</b>
Box 23, Folder 4	<b>Van Atta, Chester 1955-1957</b>
Box 23, Folder 5	<b>Van de Kamp, Peter 1975; 1978</b>
Box 23, Folder 6	<b>Van den Bergh, Sidney 1973; 1980; 1988</b>
Box 23, Folder 7	<b>Van der Leun, Cornelius 1964; 1966; 1973</b>
Box 23, Folder 8	<b>Van Nostrand Co. 1947</b>
Box 23, Folder 9	<b>Van Vleck, John H. 1953; 1955; 1969</b>
Box 23, Folder 10	<b>Vaugon, P. C. N. 1970-1972</b>
Box 23, Folder 11	<b>Viola, Victor E. 1965; 1968; 1975; 1992-1993</b>
Box 23, Folder 12	<b>Visiting Scientists Program in Physics 1957-1963; 1966-1970</b>
Box 23, Folder 13	<b>Visscher, William A. 1962</b>
	<b>Vogl, Joseph L. See: Selective Service System</b>
Box 23, Folder 14	<b>Vogt, Erich 1955; 1961; 1967; 1972-1973; 1984-1985</b>
Box 23, Folder 15	<b>Vogt, Rochus E. 1978; 1982-1983</b>
Box 23, Folder 16	<b>Volkoff, G. M. 1963</b>
Box 23, Folder 17	<b>Von Friesen, Sten 1971</b>
Box 23, Folder 18	<b><i>The Vortex</i> 1958</b>
Box 23, Folder 19	<b>V miscellaneous</b>
Box 23, Folder 20	<b>Waghmare, Yeshwant R. 1966</b>
Box 23, Folder 21	<b>Wagoner, Robert V. 1966; 1968; 1971-1973; 1988 See also: Selective Service System</b>
Box 23, Folder 22	<b>Wakefield, Ernest H. 1947-1948; n.d.</b>
Box 23, Folder 23	<b>Walbridge, Nelson 1958</b>
Box 23, Folder 24	<b>Wales, Walter D. 1973; 1975</b>
Box 23, Folder 25	<b>Walker, Colonel F. L. 1983</b>
Box 23, Folder 26	<b>Walker, Robert M. 1968; 1974</b>
Box 23, Folder 27	<b>Wallerstein, George 1959-1967; 1973-1974; 1980; 1993</b>
Box 23, Folder 28	<b>Walter, A. H. 1947; 1949; 1951</b>
Box 23, Folder 29	<b>Walters, G. K. 1977</b>
Box 23, Folder 30	<b>Wapstra, Aaldert 1958; 1967; 1972</b>
Box 23, Folder 31	<b>Warburton, Ernest K, 1960</b>
Box 23, Folder 32	<b>Warner, Arthur H. 1938; 1954; 1963</b>
Box 23, Folder 33	<b>Warner, Rocco J. 1970</b>
Box 23, Folder 34	<b>Warren, J. B. 1954; 1955</b>
Box 23, Folder 35	<b>Warshaw, Sydney D. 1949-1950</b>
Box 23, Folder 36	<b>Wasserburg, G. J. 1959; 1962-1963; 1970-1972; 1977-1978; 1982-1983; 1987-1988 See also: Series VI, Caltech talk Nov. 1986; Series X, "Willy" Fremdling</b>
Box 23, Folder 37	<b>Watson, Alfred 1967; 1989</b>
Box 23, Folder 38	<b>Watson, Arthur S. 1958-1959; 1963; 1974</b>
Box 23, Folder 39	<b>Watson, E. C. 1947-1949; 1954; 1957; n.d. See also: Bacher, R. F.</b>
Box 23, Folder 40	<b>Watson, Marty 1988</b>
Box 23, Folder 41	<b>Way, Katharine (Kay) 1959-1961; 1975; 1983</b>
Box 23, Folder 42	<b>Weart, Spencer 1977; 1979</b>
Box 23, Folder 43	<b>Webb, Ted 1955</b>
Box 23, Folder 44	<b>Webb, Ted S., Jr. 1960</b>
Box 23, Folder 45	<b>Webber, Leland E. 1963-1964</b>
Box 23, Folder 46	<b>Weidenmüller, Hans 1959; 1962; 1973</b>
	<b>Weinberg, Alvin M. See: Series V, Oak Ridge National Laboratory</b>
Box 23, Folder 47	<b>Weinberg, Steven 1974-1975; 1977; 1987 See also: Series II, Part C, Lauritsen Memorial Lecture</b>
Box 23, Folder 48	<b>Weiner, Charles 1967; 1973; 1979 See also: Series X, oral histories</b>
Box 23, Folder 49	<b>Weisskopf, Victor F. 1949; 1956-1957; 1959-1961; 1966-1967; 1974</b>
Box 23, Folder 50	<b>Weissler, G. L. 1958; 1963</b>
Box 23, Folder 51	<b>Welcome Institute for the History of Medicine 1991</b>
Box 23, Folder 52	<b>Werntz, Carl 1967; 1971</b>
Box 23, Folder 53	<b>Westpfahl, David 1985</b>
Box 23, Folder 54	<b>Westwater, Frank 1967-1968</b>
Box 23, Folder 55	<b>Wetherhill, George 1963; 1980</b>

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Box 24, Folder 1	<b>Whaling, Ward 1951; 1958-1959; 1962-1963; 1966-1969; 1971; 1976-1977; n.d.</b>
Box 24, Folder 2	<b>Wheeler, J. Craig 1971-1972; 1982; 1986</b>
Box 24, Folder 3	<b>Wheeler, John A. 1939; 1947; 1951; 1958; 1963-1964; 1974</b>
Box 24, Folder 4	<b>Whipple, Fred L. 1963</b>
Box 24, Folder 5	<b>White, Milton 1947; 1949; 1952; 1958; 1970</b>
Box 24, Folder 6	<b>Whitehead, J. D. 1965</b>
Box 24, Folder 7	<b>Whitson, W. L. 1953</b>
Box 24, Folder 8	<b>Wieck, Fred 1970-1971</b>
Box 24, Folder 9	<b>Wigner, Eugene 1947; 1953</b>
Box 24, Folder 10	<b>Wilkinson, D. H. 1951; 1953-1957; 1967; 1969-1970; 1985 See also: Series II, Part C, Lauritsen Memorial Lecture; Series VI, University of Sussex talk Sept. 1987</b>
Box 24, Folder 11	<b>Willard, H. B. 1964; 1984</b>
Box 24, Folder 12	<b>Williams, D. Colwyn 1967</b>
Box 24, Folder 13	<b>Williams, John H. 1948; 1952-1953; 1956-1961</b>
Box 24, Folder 14	<b>Williams, Roy 1986</b>
Box 24, Folder 15	<b>Williamson, R. M. 1956-1957</b>
Box 24, Folder 16	<b>Willson, Lee Anne 1986</b>
Box 24, Folder 17	<b>Wilson, Edwin B. 1957; 1959</b>
Box 24, Folder 18	<b>Wilson, James R. 1971-1972</b>
Box 24, Folder 19	<b>Wilson, Kenneth G. 1959; 1975; 1982; 1988</b>
Box 24, Folder 20	<b>Winkler, P. Frank 1984-1985</b>
Box 24, Folder 21	<b>Winters, Ronald R. 1982; 1986</b>
Box 24, Folder 22	<b>Winther, Aage 1967; 1981</b>
Box 24, Folder 23	<b>Wolf, Eric 1993</b>
Box 24, Folder 24	<b>Wood, Lloyd A. 1962-1963</b>
Box 24, Folder 25	<b>Wood, Lowell 1973-1974</b>
Box 24, Folder 26	<b>Woodford, Peter F. 1965-1966</b>
Box 24, Folder 27	<b>Woolston, J. E. 1969-1970</b>
Box 24, Folder 28	<b>Woosley, Stan E. 1973; 1977; 1979-1987; 1994</b>
Box 24, Folder 29	<b>Worrall, Gordon 1971</b>
Box 24, Folder 30	<b>Wortley, Allen C. 1956; 1966; 1975</b>
Box 24, Folder 31	<b>Wortley, Cabray Jr. 1959-1960</b>
Box 24, Folder 32	<b>Wright, Dudley 1985-1986</b>
Box 24, Folder 33	<b>Wright, Ian Francis 1959-1960</b>
Box 24, Folder 34	<b>Wright, William E. 1951; 1956; 1958-1961; 1964; 1966-1967; 1971-1972; 1974-1975</b>
Box 24, Folder 35	<b>Wrubel, M. H. 1945; 1956-1957; 1963-1966</b>
Box 24, Folder 36	<b>Wu, Chien Shing 1957; 1959; 1976-1978</b>
Box 24, Folder 37	<b>Wyller, Arne A. 1959; 1964-1965</b>
Box 24, Folder 38	<b>Wa-Wh miscellaneous</b>
Box 24, Folder 39	<b>Wi-Wy miscellaneous</b>
Box 25, Folder 1	<b>Yamazaki., Toshitsu 1990</b>
Box 25, Folder 2	<b>Yang, Chen Ning 1956-1957</b>
Box 25, Folder 3	<b>Yazew, Yoseph 1981</b>
Box 25, Folder 4	<b>Yellot, John I. 1969; 1971</b>
Box 25, Folder 5	<b>York, Nancy 1985; 1989</b>
Box 25, Folder 6	<b>Young, Bruce 1983-1984</b>
Box 25, Folder 7	<b>Youssef, Shahinaz 1969-1970</b>
Box 25, Folder 8	<b>Zabel, Carroll W. 1953</b>
Box 25, Folder 9	<b>Zacharias, Jerrold R. 1947-1948; 1950; 1953; 1957-1958; 1966</b>
Box 25, Folder 10	<b>Zachariasen, W. H. 1961</b>
Box 25, Folder 11	<b>Zaidins, Clyde 1975; 1991</b>
Box 25, Folder 12	<b>Zanda, Bridgette 1988-1990</b>
Box 25, Folder 13	<b>Zimmerman, Barbara 1962; 1967; 1971-1972; 1974</b>
Box 25, Folder 14	<b>Zoppo, Ciro E. 1971-1972</b>
Box 25, Folder 15	<b>Zumwalt, Lloyd R. 1956; 1968</b>
Box 25, Folder 16	<b>X,Y,Z, miscellaneous</b>
Box 25, Folder 17	<b>Miscellaneous unidentified correspondence</b>

Series II: Caltech

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**Part A: Teaching**

Box 26, Folder 1	<b>Introduction to mathematical physics Ph3/Ph5/Ph91</b> <b>Class roll notebooks 1937-1939; 1945-1946</b> <b>Course outline 1945</b> <b>Course notebooks 1946</b> <b>Physical Description: [3 folders]</b>
Box 26, Folder 2	
Box 26, Folders 3-5	
Box 26, Folder 6	
Box 26, Folder 7	<b>Course textbook</b> <b>Course exams 1936-1942; 1944-1946</b>
Box 27, Folder 1	<b>Electricity and magnetism Ph7/Ph8</b> <b>Class roll notebooks 1939-1940</b> <b>Ph7</b> <b>"Principles of E. &amp; M.," lecture notebooks 1939-1940</b> <b>Physical Description: [3 folders]</b>
Box 27, Folders 2-4	
Box 27, Folder 5	<b>Lecture notes</b> <b>Student lecture notebooks 1939-1940</b>
Box 27, Folder 6	<b>John Carey</b>
Box 27, Folder 7	<b>John Day</b>
Box 27, Folder 8	<b>Walter Larson</b>
Box 27, Folder 9	<b>Joe Manildi</b>
Box 27, Folder 10	<b>Bob Neiswander</b>
Box 27, Folder 11	<b>R.M. Powell</b>
Box 27, Folder 12	<b>J.B. Stevens</b>
Box 28, Folder 1	<b>Topics in contemporary physics: nuclear astrophysics Ph93</b> <b>Course syllabus 1969</b> <b>Student lecture notes 1969</b>
Box 28, Folder 2	<b>Jerry H. Chirico</b>
Box 28, Folder 3	<b>John Hockert</b>
Box 28, Folder 4	<b>Lane Mason</b>
Box 28, Folder 5	<b>Geometrical and physical optics: Ph105</b> <b>Class roll notebooks 1946-1948</b> <b>Course final exam 1946</b> <b>Student lecture notes: E. Richard Cohen 1946</b> <b>Optics, miscellaneous ca 1946-1948</b>
Box 28, Folder 6	
Box 28, Folder 7	
Box 28, Folder 8	
Box 28, Folder 9	<b>Nuclear physics Ph109</b> <b>Class roll notebook 1947-1948</b> <b>Course outline 1948</b> <b>Course notebooks 1949</b> <b>Physical Description: [2 folders]</b>
Box 28, Folder 10	
Box 28, Folders 11-12	
Box 28, Folder 13	<b>Course problems and solutions</b> <b>Course exams 1946-1951</b> <b>Student lecture notes: E. Richard Cohen 1946</b> <b>Physical Description: [2 folders]</b>
Box 28, Folder 14	
Box 29, Folders 1-2	
Box 29, Folder 3	<b>Course notes</b> <b>Fundamental properties of nuclei</b> <b>The theory of nuclei</b> <b>The statistical theory of nuclei</b> <b>Atomic and nuclear spectroscopy</b> <b>Mesotron theory</b> <b>Nuclear binding energies</b> <b>Dispersion formula</b>
Box 29, Folder 4	
Box 29, Folder 5	
Box 29, Folder 6	
Box 29, Folder 7	
Box 29, Folder 8	
Box 29, Folder 9	



Box 29, Folder 10	<b>Miscellaneous 1948-1949</b>
	<b>Nuclear physics Ph139</b>
Box 29, Folder 11	<b>Course outline 1949-1951</b>
Box 29, Folder 12	<b>Course textbook 1949-1950</b>
Box 30, Folder 1	<b>Course exams 1946-1951</b>
Box 30, Folder 2	<b>Course notes 1949-1952</b>
	<b>Lecture notes on</b>
Box 30, Folder 3	<b>Energy loss</b>
Box 30, Folder 4	<b>Nuclear reaction rates</b>
Box 30, Folder 5	<b>Nuclear energy levels</b>
Box 30, Folder 6	<b>Acceleration and deflection of charged particles</b>
Box 30, Folder 7	<b>The statistics and parity of nuclei</b>
Box 30, Folder 8	<b>Fission energy</b>
Box 30, Folder 9	<b>Stability of nuclei</b>
Box 30, Folder 10	<b>Shell structure of nuclei</b>
Box 30, Folder 11	<b>Focusing on charged particles</b>
Box 30, Folder 12	<b>Energy loss of charged particles</b>
	<b>Nuclear physics Ph203</b>
Box 31, Folder 1	<b>Class roll notebooks 1953-1954</b>
Box 31, Folder 2	<b>Course outline 1952-1959</b>
Box 31, Folder 3	<b>Course exams 1951-1961</b>
Box 31, Folder 4	<b>Course exercises, undated</b>
	<b>Course textbooks</b>
Box 31, Folder 5	<b>1951</b>
Box 31, Folder 6	<b>1952</b>
Box 31, Folder 7	<b>1953-1954</b>
Box 32, Folder 1	<b>1955-1956</b>
Box 32, Folders 2-3	<b>1960-1961</b>
	<b>Physical Description: [2 folders]</b>
Box 32, Folders 4-5	<b>1963-1964</b>
	<b>Physical Description: [2 folders]</b>
Box 32, Folder 6	<b>Errata, corrections, addenda</b>
	<b>Course notes</b>
Box 33, Folder 1	<b>Nuclear decay dynamics 1950-1955</b>
	<b>Beta decay 1953-1962</b>
Box 33, Folder 2	<b>1953-1956</b>
Box 33, Folder 3	<b>1957-1958</b>
Box 33, Folder 4	<b>1959-1961</b>
Box 33, Folder 5	<b>1962</b>
Box 33, Folder 6	<b>Atomic models/Nuclear binding energy/Weizsäcker mass law 1953-1961, n.d.</b>
Box 33, Folder 7	<b>Magnetic dipole/Magnetic moments 1955-1961, n.d.</b>
Box 33, Folder 8	<b>Particle acceleration 1953-1955</b>
Box 34, Folder 1	<b>Particle width 1953-1956</b>
Box 34, Folder 2	<b>Gamma radiation 1954-1955</b>
Box 34, Folder 3	<b>Fission and stability 1955-1959</b>
Box 34, Folder 4	<b>Spectrum of filtered radiation 1960</b>
Box 34, Folder 5	<b>Reaction cross sections 1953-1961, n.d.</b>
	<b>Miscellaneous</b>
Box 34, Folder 6	<b>1953-1958</b>
Box 34, Folder 7	<b>1959-1964</b>
	<b>Nuclear astrophysics Ph213</b>
Box 35, Folder 1	<b>Class roll notebooks 1966-1967; 1979-1980</b>
Box 35, Folder 2	<b>Course outline 1967-1980</b>
Box 35, Folder 3	<b>Course bibliography lists 1969; 1977-1979</b>
Box 35, Folder 4	<b>Course grading policy 1972</b>
Box 35, Folder 5	<b>Course evaluation by the Graduate Student Council 1979-1980</b>

	<b>Lecture slides (copies)</b>
Box 35, Folder 6	<b>1977</b>
Box 35, Folder 7	<b>1978</b>
Box 35, Folder 8	<b>Correspondence 1980</b>
	<b>Course notes</b>
Box 35, Folder 9	<b>Conservation laws and selection rules in nuclear reactions 1961-1969</b>
Box 35, Folder 10	<b>Nuclear shell model 1965-1973</b>
Box 35, Folder 11	<b>Coulomb penetration factors and level shifts 1967-1972</b>
Box 35, Folder 12	<b>The CNO by-cycle 1968-1977</b>
Box 35, Folder 13	<b>Energy generation in the sun 1969-1980</b>
Box 35, Folder 14	<b>P/p chain operation 1969-1985</b>
Box 35, Folder 15	<b>Neutron capture process; the s-process; the r-process 1969-1980</b>
Box 35, Folder 16	<b>Polytropes 1970-1980</b>
Box 35, Folder 17	<b>Neutrino processes in stars and supernovae 1970-1980</b>
	<b>Helium burning</b>
Box 36, Folder 1	<b>1962-1970</b>
Box 36, Folder 2	<b>1970-1980</b>
Box 36, Folder 3	<b>Carbon, oxygen, and silicon burning 1970-1980</b>
Box 36, Folder 4	<b>Nucleocosmochronology 1970-1980</b>
Box 36, Folder 5	<b>Big Bang nucleosynthesis 1980</b>
Box 36, Folders 6-10	<b>Miscellaneous</b>
	<b>Physical Description: [5 folders]</b>
	<b>Student lecture notes</b>
Box 37, Folder 1	<b>1967</b>
Box 37, Folder 2	<b>Mark Black 1972</b>
Box 37, Folder 3	<b>Mark Black 1973</b>
Box 37, Folder 4	<b>John Morgan on Clayton readings [n.d.]</b>
	<b>Courses/lectures by others</b>
Box 37, Folder 5	<b>"Topics in theoretical physics (nuclear physics)," Ph234, lecture notes by J. R. Oppenheimer 1945-1946</b>
Box 37, Folder 6	<b>"Problems of the interaction of elementary particles," transcriptions of lectures by J. R. Oppenheimer Jan. 1950</b>
Box 37, Folder 7	<b>"Properties of pi mesons," notes on the lecture by Hans A. Bethe May 12-16, 1952</b>
Box 37, Folder 8	<b>"Lectures on nuclear physics," by V. F. Weisskopf Feb. 1954</b>
Box 37, Folder 9	<b>"The nature and evolution of the earth," Ge150, 1957</b>
Box 38, Folder 1	<b>"Structure of matter," Ph111, by T. Lauritsen 1962</b>
Box 38, Folder 2	<b>"Theory of nuclear reactions," by H. Weidenmuller 1965</b>
	<b>Teaching miscellaneous</b>
Box 38, Folder 3	<b>List of courses taught by WAF 1938-1963</b>
Box 38, Folder 4	<b>List of WAF's graduate students 1939-1981</b>
Box 38, Folder 5	<b>Grade analysis 1949-1950; 1955-1957</b>
Box 38, Folder 6	<b>Astronomy PhD exam Dec. 1955</b>
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	<b>History and research highlights</b>
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Box 41, Folder 31	<b>"Chronology of the new high-current, high stability Tandem accelerator for the California Institute of Technology" 1982</b>
Box 41, Folder 32	<b>"Key problem in experimental nuclear astrophysics" Aug. 1984</b>
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	<b>Office of Naval Research (ONR) proposals</b>
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	<b>ONR Physics 14, Contract N6ori-102 July 1946-Dec. 1954</b>
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	<b>ONR Physics 46, Contract Nonr-220(18), Jan. 1955-Mar. 1963</b>
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	<b>ONR Physics 36, Contract Nonr-220(47), Mar. 1963-Aug. 1970</b>
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	<b>U.S. Atomic Energy Commission (U.S. AEC) proposals 1966-1969</b>
Box 45, Folder 1	<b>"Proposal for a program of nuclear physics ... involving the construction and use of ... synchrotron" Nov. 1949</b>
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	<b>U.S. Geological Survey proposal 1978-1979</b>
Box 45, Folder 4	<b>"A comparison of radon monitoring techniques, the effects of thermo-elastic strains ... for earthquake prediction" Jan. 1978</b>
Box 45, Folder 5	<b>"A comparison of radon monitoring ...earthquake prediction," revised version May 1978</b>
	<b>National Aeronautics and Space Administration (NASA) proposals 1960-1965; 1977</b>
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Box 46, Folder 8	<b>Correspondence</b>
	<b>NSF grant GP-9433 (renewal of GP-7976) [SINS Project] 1968-1969</b>
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	<b>NSF grant GP-15911 (renewal of GP-9433) [SINS Project] 1969-1971</b>
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Box 47, Folder 3	<b>Progress reports</b>
Box 47, Folder 4	<b>Correspondence</b>
	<b>"Study and research in relativistic and nuclear astrophysics"</b>
	<b>NSF grant GP-27304 (extension of GP-15911) [SINS Project] 1970-1972</b>

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Box 47, Folder 5	<b>Proposal June 1970</b>
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Box 47, Folder 7	<b>Correspondence</b>
	<b>NSF grant GP-36687I (extension of GP-27304) [SINS Project] 1972-1975</b>
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	<b>"Study and research in nuclear structure physics and nuclear astrophysics" 1968-1970</b>
	<b>NSF grant GP-9114</b>
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	<b>Progress reports See: Joint ONR/NSF proposal</b>
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	<b>"Study and research in nuclear astrophysics and associated nuclear physics"</b>
	<b>NSF grant GP-19887 1970-1971</b>
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Box 48, Folder 1	<b>Proposal Sept. 1973</b>
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	<b>"Study and research in nuclear physics and its application to astrophysics, geophysics and technology" 1972-1979</b>
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Box 48, Folder 9	<b>"Study and research on a new, deeply reaching convective envelope for non-red stars" Apr. 1977</b>
Box 48, Folder 10	<b>"Study and research on intense helium shell flashes" Apr. 1977</b>
Box 48, Folder 11	<b>"Study and research on theoretical predictions of observable variability of nuclei of planetary nebulae" Apr. 1977</b>
	<b>"Research in relativistic astrophysics" 1976-1982</b>
Box 48, Folder 12	<b>Proposal Aug. 1977</b>
Box 48, Folder 13	<b>Proposal June 1979</b>
Box 48, Folder 14	<b>"Research in theoretical astrophysics" Nov. 1977 [replace NSF grant AST-76-20375]</b>
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Box 49, Folder 1	<b>Proposal Jan. 1977</b>
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	<b>"Study and research in nuclear physics and its application to astrophysics, geophysics and technology" 1976-1982</b>
Box 49, Folder 4	<b>Proposal Aug. 1976</b>
Box 49, Folder 5	<b>Proposal Aug. 1977</b>
Box 49, Folder 6	<b>Proposal July 1978</b>
Box 49, Folder 7	<b>"Report to the NSF on the state of the W.K. Kellogg Radiation Laboratory at the California Institute of Technology" March 1979</b>
Box 49, Folder 8	<b>Proposal July 1979</b>
Box 49, Folder 9	<b>Proposal July 1980</b>
Box 49, Folder 10	<b>Proposal reviews 1982</b>
Box 49, Folder 11	<b>Notes and correspondence 1978-1979</b>

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Box 50, Folder 1	<b>"Measurement of atomic transition probabilities" July 1978</b>
Box 50, Folder 2	<b>"Research in theoretical nuclear physics" 1979-1990</b>
Box 50, Folder 3	<b>Proposal Mar. 1979</b>
Box 50, Folder 4	<b>Proposal Aug. 1980</b>
Box 50, Folder 5	<b>Progress report: "Theoretical nuclear physics and nuclear astrophysics" 1982</b>
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Box 50, Folder 10	<b>"Research on physical and chemical properties of the outer micron of planetary materials" July 1980</b>
Box 50, Folder 11	<b>"Research in nuclear physics and its application to astrophysics and other sciences" 1983-1985</b>
Box 50, Folder 12	<b>Proposal reviews 1982</b>
Box 50, Folder 13	<b>Proposal June 1982</b>
Box 50, Folder 14	<b>Proposal Sept. 1983</b>
Box 50, Folder 15	<b>Proposal reviews 1984</b>
Box 50, Folder 16	<b>"Research in nuclear physics and its application to astrophysics" 1985-1994</b>
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Box 50, Folder 18	<b>Proposal reviews Sept. 1985</b>
Box 51, Folder 1	<b>Proposal Nov. 1985</b>
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Box 51, Folder 14	<b>May-Aug. 1974</b>
Box 51, Folder 15	<b>Sept.-Dec. 1974</b>
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Box 52, Folder 11	<b>NSF Kellogg site visits</b>
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Box 53, Folder 3	<b>Research data and curves IIA, Fowler-Delsasso [undated, probably 1930s]</b>
Box 53, Folder 4	<b>Fowler and Lauritsen IIB 1939-1940</b>
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Box 53, Folder 6	<b>[Untitled] IVB 1940</b>
Box 53, Folder 7	<b>Lab notes 1943-1950</b>
Box 53, Folder 8	<b>Summary notes I 1943-1951</b>
Box 53, Folder 9	<b>Low voltage accelerator 1955</b>
Box 54, Folder 1	<b>Calculations of no significance, D. Hubbard Apr. 14, 1958 [Date and name crossed out]</b>
Box 54, Folder 2	<b>Hermes PMT-scintillator tests, BDB n.d.</b>
Box 54, Folder 3	<b>Hooman's Box, run 3, BDB n.d.</b>
Box 54, Folder 4	<b>Cosmic ray telescope, Pb glass and scintillator tests, J. R. Arrington 1992</b>
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	<b>Division Tenure and Staffing Policy Committee [all 11 folders confidential]</b>
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Box 56, Folder 1	<b>Jokipii, J. R. 1973</b>
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Box 56, Folder 14	<b>Burbidge, Geoffrey and Margaret 1958-1959</b>
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**Miscellaneous**

Box 56, Folder 30	<b>Pamphlet: "Information for returning members of the armed services" March 1945</b>
Box 56, Folder 31	<b>"Confidential report on a proposed nuclear service plant for the California Institute of Technology," 1945; "Unclassified report on a proposed nuclear service plant for the CIT," 1945</b>
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Box 60, Folder 1	<b>"Experimental production facilities at the Eaton Canyon site," CIT/IDC 22, Nov. 24, 1942</b>
Box 60, Folder 2	<b>"CIT rocket weapons and test facilities-an illustrated record," CIT/JBC 14, Feb. 1, 1943</b>
Box 60, Folder 3	<b>"Propellant processing, igniter construction, and motor loading facilities as of January 1, 1943," CIT/JDC 45, Nov. 24, 1943</b>

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Box 62, Folder 8	<b>No. 8 (CIT/NMC 1.8) Dec. 8-15, 1941</b>
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Box 62, Folder 15	<b>No. 15 (CIT/NMC 1.15) Jan. 25-Feb. 1, 1942</b>
Box 62, Folder 16	<b>No. 16 (CIT/NMC 1.16) Feb. 1-8, 1942</b>
Box 62, Folder 17	<b>No. 17 (CIT/NMC 1.17) Feb. 8-15, 1942</b>
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Box 62, Folder 25	<b>No. 28 (CIT/NMC 1.28) May 4-10, 1942</b>
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Box 62, Folder 36	<b>No. 39 (CIT/NMC 1.39) July 20-26, 1942</b>
Box 62, Folder 37	<b>No. 40 (CIT/NMC 1.40) July 27-Aug. 2, 1942</b>
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Box 63, Folder 2	<b>No. 47 (CIT/NMC 1.47) Sept. 14-20, 1942</b>
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Box 63, Folder 5	<b>No. 50 (CIT/NMC 1.50) Oct. 5-11, 1942</b>
Box 63, Folder 6	<b>No. 51 (CIT/NMC 1.51) Oct. 12-18, 1942</b>
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Box 64, Folder 5	<b>No. 66 (CIT/NMC 1.66) Jan. 25-31, 1943</b>
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Box 67, Folder 8	<b>No. 116 (PMC 2.16) period ending Jan. 23, 1944</b>
Box 67, Folder 9	<b>No. 117 (PMC 2.17) period ending Jan. 30, 1944</b>
Box 67, Folder 10	<b>No. 118 (PMC 2.18) period ending Feb. 6, 1944</b>

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Box 68, Folder 11	<b>No. 138 (PMC 2.38; OSRD report no. 2127) period ending June 25, 1944</b>
Box 68, Folder 12	<b>No. 139 (PMC 2.39; OSRD report no. 2136-2140) period ending July 2, 1944</b>
Box 68, Folder 13	<b>No. 140 (PMC 2.40; OSRD report no. 2141-2144) period ending July 8, 1944</b>
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Box 69, Folder 1	<b>No. 141 (PMC 2.41; OSRD report no. 2147-2151) period ending July 16, 1944</b>
Box 69, Folder 2	<b>No. 142 (PMC 2.42; OSRD report no. 2154-2159) period ending July 23, 1944</b>
Box 69, Folder 3	<b>No. 143 (PMC 2.43; OSRD report no. 2162-2166) period ending July 30, 1944</b>
Box 69, Folder 4	<b>No. 144 (PMC 2.44; OSRD report no. 2168-2172) period ending Aug. 6, 1944</b>
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Box 69, Folder 7	<b>No. 147 (PMC 2.47; OSRD report no. 2192-2196) period ending Aug. 27, 1944</b>
Box 69, Folder 8	<b>No. 148 (PMC 2.48; OSRD report no. 2199-2203) period ending Sept. 3, 1944</b>
Box 69, Folder 9	<b>No. 149 (PMC 2.49; OSRD report no. 2207-2211) period ending Sept. 10, 1944</b>
Box 69, Folder 10	<b>No. 150 (PMC 2.50; OSRD report no. 2213-2217) period ending Sept. 17, 1944</b>
Box 69, Folder 11	<b>No. 151 (PMC 2.51; OSRD report no. 2218-2222) period ending Sept. 24, 1944</b>
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Box 69, Folder 15	<b>No. 155 (PMC 2.55; OSRD report no. 2249-2253) period ending Oct. 22, 1944</b>
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Box 70, Folder 3	<b>No. 159 (PMC 2.59; OSRD report no. 2285-2289) period ending Nov. 19, 1944</b>
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Box 72, Folder 45	"An analysis of the Bourdon coil" (CIT/IGC 10) June 27, 1945

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Box 73, Folder 1	"Extrusion of ballistite tubing and rod" (CIT/JDC 3) Jan. 20, 1942
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Box 74, Folder 8	"Effect of coloring agents upon the burning characteristics of ballistite" (CIT/JDC 25) Dec. 11, 1942

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Box 74, Folder 9	"Effect of nitrocellulose source upon the characteristics of double-base powder" (CIT/JDC 28) Dec. 15, 1942
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Box 75, Folder 11	"Curves for external ballistic calculations on low-velocity rockets fired at high angles," second edition (CIT/JPC 2.2) Aug. 20, 1943
Box 75, Folder 12	"Project summaries for Division 3, special projectiles, as of September 1, 1943" (CIT/JMC 1) [2 copies]
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Box 75, Folder 17	"A 12-in. vertical press for the extrusion of ballistite" (CIT/JDC 53) Oct. 26, 1943

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Box 75, Folder 18	"Spontaneous decomposition of a ballistite grain" (CIT/JDC 54) Nov. 20, 1943
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Box 79, Folder 2	"Description and instructions for use, rocket launcher MK 50 mods 0 and 1" (CIT/JEC 23; OSRD report no. 2422) Apr. 2, 1945

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Box 79, Folder 3	"Evaluation of pressure-time relationships occurring in static firing of rocket motors" (CIT/JGC 8; OSRD report no. 2484) Apr. 10, 1945
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Box 79, Folder 8	"Forward firing of 11.75-inch aircraft rockets from A-26B aircraft" (CIT/JNC 32, OSRD report no. 2433) July 1, 1945
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Box 79, Folder 13	"Land service use of 11.75-inch aircraft rockets against caves" (CIT/JBC 32; OSRD report no. 2516) [2 copies] Aug. 15, 1945
Box 79, Folder 14	"Revised sighting tables: F4U-1D and F4U-4 aircraft, 11.75 in. aircraft rocket" (CIT/JNC 29, revision no. 3) Aug. 15, 1945
Box 79, Folder 15	"The exterior ballistics of fin-stabilized aircraft rockets" (CIT/JPC 24; OSRD report no. 2528) [2 copies] Aug. 20, 1945
Box 79, Folder 16	"The CIT acceleration camera models 3 and 4" (CIT/JFC 3; OSRD report no. 2518) [2 copies] Aug. 25, 1945
Box 79, Folder 17	"Rocket sight (aircraft) CIT type 4" (CIT/JNC 33; OSRD report no. 2526) Aug. 25, 1945
Box 80, Folder 1	"The influence of the magnus moment on the stability of rotating projectiles" (CIT/JPC 29; OSRD report no. 2529) [2 copies] Sept. 1, 1945
Box 80, Folder 2	"Exudation of nitroglycerin from ballistite propellant grains" (CIT/JDC 78; OSRD report no. 2532) Sept. 8, 1945
Box 80, Folder 3	"Some Schlieren photographs of rocket jets" (CIT/JGC 10; OSRD report no. 2538) Sept. 25, 1945
Box 80, Folder 4	"A theory for the difference between the true angle of attack and the effective angle of attack" (CIT/JPC 30; OSRD report no. 2527) [2 copies] Sept. 28, 1945
Box 80, Folder 5	"Weapon data-fire, impact, explosion" (OSRD report no. 6053) Sept. 1945
Box 80, Folder 6	"Radiation phenomena in rockets" (OSRD report no. 5251) Oct. 16, 1945
Box 80, Folder 7	"The underwater behavior of rockets" (CIT/OPC 40) [3 copies] Dec. 1945
Box 80, Folder 8	"Trajectories of aircraft rockets" (CIT/UBC 35; OSRD report no. 2540) [2 copies] Jan. 4, 1946
Box 80, Folder 9	"Photographic investigation of the reaction of rocket propellant grains" (CIT/IDC 45) Feb. 15, 1946
Box 80, Folder 10	"Range tables for spin-stabilized rockets" (CIT/JPC 31; OSRD report no. 2536) Nov. 15, 1946
	<b>Technical reports by subject</b>
	<b>Effective temperatures</b>
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Box 80, Folder 12	"The effective rocket temperature indicator" (CIT INC 5) Dec. 12, 1944
	<b>Forward Firing (FF)</b>
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Box 80, Folder 14	"Forward firing of 3.5" aircraft rockets from TBF-1 and PV-1 aircraft" (CIT JNC 9.2) Nov. 6, 1943
Box 80, Folder 15	Excerpts from CIT weekly progress reports on forward firing from aircraft, June 23 to September 18, 1943 (CIT UMC 12)

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Box 80, Folder 16	"Field tests of the 3.25-in. rocket projectiles (3A9)" (CIT IBC-43) May 19-June 28, 1943
Box 81, Folder 1	"Projectile dolly for carrier use" (CIT IHC 15) Mar. 14, 1944
Box 81, Folder 2	"Handling of forward-firing rocket equipment aboard kaiser-class carriers" (CIT JNC 13.2) Mar. 28, 1944
Box 81, Folder 3	"Aerial rocket conference," Navy Dept., Washington D.C. Apr. 21, 1944
Box 81, Folder 4	"Aircraft rockets in anti-submarine warfare," Bureau of Aeronautics May 1, 1944
Box 81, Folder 5	"First report on firing of various rockets from aircraft for range data and to develop procedures and ninth report on ordnance program no. 5191," Aberdeen Proving Ground, Maryland May 16, 1944
Box 81, Folder 6	"Dispersion of standard ammunition from MK 4 and MK 5 launchers" (CIT QEC 1.2) June 16, 1944
Box 81, Folder 7	"Preliminary: assembly instructions, safety precautions, and firing instructions for 5.0" High Velocity Aircraft Rocket" (CIT IBC 68) June 23, 1944
Box 81, Folder 8	"Adaptation of M9A1 4.5" army rocket for use from aircraft launchers MK 4 and MK 5, Mod 1," U.S. Naval Ordnance Test Station (NOTS Proj. no. 21A6L) Oct. 17, 1944
Box 81, Folder 9	"Manual: description and use of the 5.0" high velocity aircraft rocket Models 13A and 14A" (CIT JBC 29; OSRD report no. 2291) Nov. 14, 1944
Box 81, Folder 10	"Manual: description and use of the 11.75" aircraft rocket Model 3 from F4U-1D aircraft with displacement launcher" (CIT JEC 21; OSRD report no. 2313) Dec. 15, 1944
Box 81, Folder 11	"Principles of rocket firing from aircraft, illustrated" (CIT JNC 30) Apr. 2, 1945
Box 81, Folder 12	"Computing manual for Muroc Flight Test Station" (CIT IPC 73) Apr. 10, 1945
Box 81, Folder 13	"Airborne forward-firing rockets, training notes for aviation ordnancemen," U.S. Navy May 1945
	<b>Vertical Aircraft Bombing (VAB)</b>
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Box 82, Folder 9	"PBV-5: loading of vertical bombing projectors and preparation of ammunition" (CIT JEC 6) Jan. 6, 1943
Box 82, Folder 10	"Officers' manual: vertical bombing from PBV-5 aircraft" (CIT JNC 4) Jan. 19, 1943
Box 82, Folder 11	"Vertical bombing with ASB STD. (mousetrap)" (report no. 46, Morris Dam tests) Jan. 28, 1943
Box 82, Folder 12	"Officers' manual: vertical bombing from PBV-5 aircraft, 205 ft/sec ammunition, Mark 1 projectors, Squadron VP-63" (CIT JNC 4.2) May 1, 1943
Box 82, Folder 13	"Crew manual: loading of vertical bombing projectors for PBV-5 aircraft and preparation of 205 ft/sec ammunition" (CIT JEC 6.2) May 1, 1943
Box 82, Folder 14	"Revised field standardization of 7.2" VAR (200 ft/sec)" (CIT IBC 22.3) May 5, 1943
Box 82, Folder 15	"Officers' manual: vertical bombing from B-18A aircraft, 205 ft/sec ammunition" (CIT JNC 4.3) May 15, 1943
Box 82, Folder 16	"Officers' manual: vertical bombing from TBF-1 and TBF-2 aircraft, 300 ft/sec ammunition" (CIT JNC 5) June 5, 1943

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Box 82, Folder 17	"Crew manual: loading of vertical bombing projectors for TBF-1 and TBF-2 aircraft and preparation of 300 ft/sec ammunition" (CIT JEC 7) June 9, 1943
Box 82, Folder 18	"Retro-bombing: a description of projectiles and installation on aircraft" (CIT JBC 18) June 23, 1943
Box 82, Folder 19	"Trajectory data for 7.2" VAR (200 ft/sec) PBY-5, Squadron VP-91" (CIT JNC 4.2, Suppl.) July 15, 1943
Box 82, Folder 20	"Manual: retro-bombing from B-24 aircraft 300 ft/sec ammunition" (CIT JNC 7) Aug. 1, 1943
Box 82, Folder 21	"Crew manual: loading of retro-bombing projectors for PBY-5 aircraft and preparation of 200 ft/sec ammunition, Squadron VP-91" (CIT JEC 6.3) Aug. 14, 1943
Box 82, Folder 22	"Officers' manual: retro-bombing from PBY-5 aircraft, 200 ft/sec ammunition, Mark 1 launchers modified, Squadron VP-91" (CIT JNC 4.4) Aug. 23, 1943
	<b>Anti-Submarine Rocket report (ASB)</b>
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Box 83, Folder 3	"The antisubmarine rocket projectiles and projector as of Apr. 27, 1942" (NDRC report no. A-50)
Box 83, Folder 4	"The effect on dispersion of variation in the propellant temperature for the ASB" (CIT ITC 3) June 25, 1942
Box 83, Folder 5	"Charge design: two-inch ASB motor" (CIT JDC-10) June 25, 1942
Box 83, Folder 6	"The antisubmarine bomb (ASB) in two parts" (CIT JBC 7) June 25, 1942
	"Manual: use of mousetrap ammunition" (CIT JBC 8) June 27, 1942
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Box 83, Folder 11	"Motors for anti-submarine bombs, vertical bombs and barrage rockets" (CIT IAC 3) Oct. 22, 1942
Box 83, Folder 12	"Mousetrap operating instructions" (CIT JBC 13) Oct. 25, 1942
Box 83, Folder 13	"Impact and deceleration of the ASPC Mark 1 projectiles and modified A.S. bomb" (CIT JBC 15) Feb. 10, 1943
Box 83, Folder 14	"Description and tentative specifications for loading the motor of AS projector charge," revision of Feb. 15, 1943
Box 83, Folder 15	"Effect of storage and weathering on ASPC rocket motors" (CIT JDC 50) Sept. 23, 1943
Box 83, Folder 16	"Elements in effectiveness of anti-submarine attacks by surface craft (volumes I and II)" (CIT JNC 14; OSRD report no. 2189) May 1944
	<b>Chemical Warfare</b>
Box 84, Folder 1	Local intermediate report re: CWG (CIT IBC 2) Feb. 5, 1942
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Box 84, Folder 4	"Effect of fins on the yaw and deflection of CWG's" (CIT MTC 5) June 1, 1942
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Box 84, Folder 8	"Comparison of design and performance of 7-in. CWR and 7.2-in. CWR-N" (CIT IBC 47) May 29, 1943
Box 84, Folder 9	"The effect of malaligned fins on the dispersion of the CWR" (CIT OPC 9) July 30, 1943
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Box 84, Folder 13	<b>"Dispersion and high temperatures limit of the CWR-N" (CIT IBC 62) Feb. 15, 1944</b>
	<b>Rocket Blast</b>
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Box 84, Folder 18	<b>"Ground test of 11.75" AR from SB2C-4 aircraft, test request no. 1599" Oct. 2, 1944</b>
Box 84, Folder 19	<b>Preliminary field report: Effects of 11.75" AR blast on SB2C elevators, TR 1599" Oct. 13, 1944</b>
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Box 85, Folder 19	<b>"Field standardization of the VFR-CIT 200 ft/sec" (CIT IBC 41) Aug. 1, 1943</b>

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Box 85, Folder 20	<b>"Preliminary standardization of the 3.5" AR (3A12)" (CIT IBC 48) Sept. 18, 1943</b>
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Box 87, Folder 4	"Tests of lateral dispersion of BR with various nozzles" (CIT IBC 19) Jan. 30-Feb. 5, 1943
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Box 87, Folder 10	"Experimental attempts to improve the accuracy of rockets" (CIT JPC 9) Nov. 26, 1943
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Box 87, Folder 20	"Preliminary report on the motion of a fin-stabilized rocket during the burning period" by R. R. Newton and J. B. Rosser (ABL-WPR, OSRD no. 3960) [Aug. 5, 1944]
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Box 87, Folder 22	Local intermediate report: "Effect of fins on dispersion of 5.0" HVAR" (CIT OPC 18) May 16, 1944
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Box 87, Folder 29	"Further investigations of the underwater behavior of aircraft rockets" (CIT JBC 27; OSRD report no. 2152) June 26, 1944
Box 87, Folder 30	Memo to WAF from I. S. Bowen on: "Effect of underwater burning on the lethal underwater range of rockets" [undated]
Box 87, Folder 31	Local intermediate report: "3.5" AR bodies with non-ricochet properties at low angles of water impact" (CIT IPC 64) Oct. 10, 1944
Box 87, Folder 32	"Underwater behavior of the 11.75" aircraft rocket" (CIT IPC 65) Oct. 25, 1944
	<b>Target rockets</b>

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Box 88, Folder 1	<b>"Scoring register and recorder for target practice" (CIT INC 1) [undated]</b>
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Box 88, Folder 16	<b>(CIT JBC 10.4) Sept. 23, 1942</b>
Box 88, Folder 17	<b>(CIT JBC 10.5) Sept. 29, 1942</b>
Box 88, Folder 18	<b>Manual: "Use of 4.5-inch barrage rocket (revised)" (CIT JBC 10.2) Nov. 16, 1942</b>
Box 88, Folder 19	<b>Local intermediate report: "Tests of lateral dispersion of BR with various nozzles, November 24, 1942 to January 14, 1943" (CIT IBC 14)</b>
Box 88, Folder 20	<b>Local intermediate report: "Tests of fast-burning BR with AIR 2 fuze, Feb. 25-26, 1943" (CIT IBC 17)</b>
Box 88, Folder 21	<b>"Graphic illustrations of landing operations assisted by barrage rockets" (CIT UEC 2) [2 copies] Mar. 20, 1943</b>
Box 88, Folder 22	<b>Manual: "Use of 4.5-inch barrage rocket, second edition" (CIT JBC 10.6) Apr. 7, 1943</b>
Box 88, Folder 23	<b>"Installation and use of barrage rocket projectors for tank lighters" (CIT JBC 16) May 28, 1943</b>
Box 88, Folder 24	<b>Local intermediate report: "Static and field standardization of the short-burning 1000-yd 4.5" BR" (CIT IBC 40) [July 1943]</b>
Box 88, Folder 25	<b>Memo to WAF from O. C. Wilson re: BR fragmentation (CIT IQC 1) July 7, 1943</b>
Box 88, Folder 26	<b>Local intermediate report: "Range standardization of 4.5" barrage rocket (1100 yd)" (CIT IBC 36) July 9, 1943</b>
Box 88, Folder 27	<b>"Ammunition manual for the 4.5" rocket (1100 yd)" (CIT JBC 19) July 26, 1943</b>
Box 88, Folder 28	<b>Local intermediate report: "Comparison of fragmentation of the 4.5" barrage rocket with the 105mm Howitzer shell" (CIT IQC 2) July 30, 1943</b>
Box 88, Folder 29	<b>Local intermediate report: "Static and field standardization of the short-burning 250-yd 4.5" BR" (CIT IBC-38) July 31, 1943</b>
Box 89, Folder 1	<b>Local intermediate report: "Fragmentation tests on special BR bodies" (CIT IQC 3) Aug. 19, 1943</b>
Box 89, Folder 2	<b>Local intermediate report: "Comparison between the 81-mm mortar and the 4.5" barrage rocket, preliminary report" (CIT IBC 51) Sept. 23, 1943</b>
Box 89, Folder 3	<b>"Manual for the 4.5" barrage rocket (1100 yd), second edition" (CIT JBC 19.2) Oct. 10, 1943</b>
	<b>Launchers</b>
Box 89, Folder 4	<b>"Abridged catalog entry: CIT launcher type 49" (CIT IEC 14) [undated]</b>
Box 89, Folder 5	<b>"Interim report: a projector for target rockets" (PDRC-155, JEC 1) Jan. 15, 1942</b>
Box 89, Folder 6	<b>"Installation of BR projector" (CIT JBC 10.3) Sept. 18, 1942</b>
	<b>Local intermediate reports</b>
Box 89, Folder 7	<b>"Packing box projectors, as of December 17, 1942" (CIT IEC 4)</b>
Box 89, Folder 8	<b>"Barrage rocket packing box projector" (CIT IBC 28) May 22, 1943</b>
Box 89, Folder 9	<b>"Performance of the 'fishtail' projector" (CIT IEC 7) June 1, 1943</b>

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Box 89, Folder 10	"CIT Type 1 Mod 1 launcher (single-rail 4.5" BR)" (CIT JEC 8) June 26, 1943
Box 89, Folder 11	"CIT Type 3 launcher (wooden 3-rail for 4.5" barrage rocket)" (CIT JEC 9) July 1, 1943
Box 89, Folder 12	"Description and use of barrage rocket launchers (CIT Type 2) for ¼-ton 4x4 truck" (CIT JEC 10) July 2, 1943
Box 89, Folder 13	Launcher standardization report: "Standardization tests of CIT Type 1 Mod 1 4.5" BR launcher" (CIT IEC 8) [July 1943]
Box 89, Folder 14	"CIT Type 3 firing box" (CIT JEC 9.2) July 22, 1943
Box 89, Folder 15	"Assembly and installation of barrage rocket launcher CIT Type 2, for ¼ ton 4x4 truck" (CIT JEC 10.2) July 24, 1943
Box 89, Folder 16	"CIT Type 8 launcher for 4.5" barrage rocket" (CIT JEC 11) Aug. 4, 1943
Box 89, Folder 17	<b>Memoranda</b> "Summary of field tests on 4.5" BR CIT Type 2 launcher (Jeep 10-rail)" (CIT OBC 23.1) Aug. 4, 1943
Box 89, Folder 18	"Standardization of CIT Type 2 4.5" barrage rocket launcher (Jeep 10-rail)" (CIT OBC 23.1) Aug. 5, 1943
Box 89, Folder 19	"Standardization of CIT Type 3 4.5" barrage rocket launcher (wooden 3-rail)" (CIT OBC 23.2) Aug. 5, 1943
Box 89, Folder 20	"Standardization of CIT Type 3 firing box" (CIT OBC 23.3) Aug. 5, 1943
Box 89, Folder 21	"Standardization of CIT Type 1 Mod 1 4.5" barrage rocket launcher" (CIT OBC 23.4) Aug. 5, 1943
Box 89, Folder 22	"Launcher standardization report: Standardization tests of CIT Type 3 launcher (wooden 3-rail for 4.5" BR)" (CIT IEC 9) Aug. 7, 1943
Box 89, Folder 23	Local intermediate report: "BR parachute drops" (CIT IBC 53) Oct. 20, 1943
Box 89, Folder 24	Manual: "Description and instructions for use CIT Type 6 Mod 1 launcher for the 4.5" barrage rocket" (CIT JEC 13) Nov. 10, 1943
Box 89, Folder 25	"Manual: instructions for use of CIT Type 3 launcher (wooden 3-rail for 4.5" barrage rocket) and CIT Type 3 firing box" (CIT JEC 9.3) Nov. 17, 1943
Box 89, Folder 26	"Preliminary manual on aircraft rocket installation," Armament Laboratory, Engineering Division, materiel command (T.O.C.O. no. 38) December 1943
Box 89, Folder 27	Manual: "Description and instructions for use CIT Type 7 Mod 1 launcher for 7.2" rockets" (CIT JEC 15) Feb. 4, 1944
Box 89, Folder 28	Local intermediate report: "CIT Type 33 universal emplacement launcher" (CIT IEC 11) Mar. 1, 1944
Box 89, Folder 29	<b>Manuals</b> "Description and instructions for use CIT Type 6 Mod 1 launcher for the 4.5" barrage rocket" (CIT JEC 13.2) Mar. 20, 1944
Box 89, Folder 30	"Description and instructions for use 4.5" rocket launcher MK 7 (CIT Type 8)" (CIT JEC 11.3) Mar. 27, 1944
Box 89, Folder 31	"Description and instructions for use CIT Type 9 rocket launcher (extensive single rail 4.5" BR)" (CIT JEC 16) May 5, 1944
Box 90, Folder 1	"Instructions and drawings for installation of MK 5 Mod 1 launchers on P-47 aircraft" (CIT IEC 13) June 23, 1944
Box 90, Folder 2	"CIT Type 1 Mod 1 launcher (single rail 4.5" BR)" (CIT JEC 8) June 26, 1943
Box 90, Folder 3	Manual: "Description and instructions for use CIT Type 31C (shipboard) launcher" (CIT JEC 17; OSRD report no. 2167) July 15, 1944
Box 90, Folder 4	"Rocket firing from PT boats" (CIT JEC 18; OSRD report no. 2206) Sept. 7, 1944
Box 90, Folder 5	Manual: "Use of rocket launcher MK 51 Mod 0 (twelve-round automatic for 5.0" spin-stabilized rockets)" (CIT JEC 20; OSRD report no. 2281) Nov. 13, 1944
Box 90, Folder 6	"Rocket firing from PT boats, ATB, Ft. Pierce, Florida" (CIT JEC 24; OSRD report no. 2345) Jan. 13, 1945
Box 90, Folder 7	"Closed-breech SR rocket launcher, CIT Types 38 and 56" (CIT JEC 25; OSRD report no. 2457) Apr. 30, 1945
	<b>Forward firing theory and ballistics</b>
	<b>Local intermediate reports</b>
Box 90, Folder 8	"Forward firing of the British UP3 and CIT 3A rockets from airplanes" (CIT IPC 34) July 24, 1943
Box 90, Folder 9	"Dispersion of rockets in forward firing..." (CIT IPC 39) Aug. 25, 1943

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Box 90, Folder 10	<b>"Analysis of forward firing data from TBM and PV-1 on September 28-29, 1943" (CIT IPC 46)</b>
Box 90, Folder 11	<b>"Estimation of the inherent dispersion of rockets..." (CIT IPC 43) Oct. 11, 1943</b>
Box 90, Folder 12	<b>Memorandum: Lanyard firing (CIT OBC 49.1) Jan. 4, 1944</b>
Box 90, Folder 13	<b>Local intermediate report: "Ammunition dispersion of long-burning unrotated rockets in forward firing from airplanes" [revision of IPC 39] (CIT IPC 39.2) Apr. 10, 1944</b>
	<b>Memoranda</b>
Box 90, Folder 14	<b>"Effect of wind and skid on mean impact point of rockets" (CIT OBC 21.1) May 17, 1944</b>
Box 90, Folder 15	<b>"Notation to be used in forward firing trajectory and sighting problems" (CIT OBC 37.1) July 20, 1944</b>
Box 90, Folder 16	<b>"Note on computation of sight-settings for 11.75" AR from F4U-1D displacement gear launcher" (CIT OBC 49.3) Oct. 25, 1944</b>
Box 90, Folder 17	<b>"A correction and an illustrative curve for CIT/OPC 21" (OPC 21.1) Oct. 30, 1944</b>
Box 90, Folder 18	<b>"Effect of small changes in burning time and velocity on trajectory drops of rockets..." (CIT OPC 28) [research memo] Nov. 1, 1944</b>
Box 90, Folder 19	<b>"A more nearly rigorous treatment of forward firing problems" (CIT OBC 21.1) Nov. 17, 1944</b>
Box 90, Folder 20	<b>"Performance of aircraft rockets" Nov. 22, 1944</b>
Box 90, Folder 21	<b>"The effect of acceleration, automatic sights, and head wind on the curve of approach..." (CIT OPC 21.3) Nov. 24, 1944</b>
Box 90, Folder 22	<b>"The determination of the angle of attack in a vertical plane" (CIT OPC 24.2) Nov. 24, 1944</b>
Box 90, Folder 23	<b>"Suggested computation forms for the vertical component of effects in forward firing" (CIT OBC 21.2) Nov. 29, 1944</b>
Box 90, Folder 24	<b>Correction to CIT/OBC 21.2 Nov. 29, 1944; suggested computation forms (CIT OBC 21.2) Dec. 4, 1944</b>
Box 90, Folder 25	<b>"Effect of airstream on distance of drop of 11.75" AR before ignition in lanyard launching" (CIT OBC 49.1) May 4, 1945</b>
Box 90, Folder 26	<b>"Experimental study of initial behavior of drop launched rockets" (CIT) [technical memo] May 30, 1945</b>
Box 90, Folder 27	<b>"Comparison with CIT sighting tables of data from training firing at Twentynine Palms, (F44-1D, 2.25" AR)" (CIT OBC 20.1) [technical memo] May 28, 1945</b>
Box 90, Folder 28	<b>"Adaptation of gun camera technique to determine pilot errors in training firing" (CIT OBC 37.1) June 1, 1945</b>
Box 90, Folder 29	<b>"Trajectory tables for fin-stabilized aircraft rockets" June 27, 1945</b>
Box 90, Folder 30	<b>"Displacement of the 11.75" AR due to cross wind lift and Bernoulli effect" (CIT OPC 3.1) June 20, 1945</b>
Box 90, Folder 31	<b>"Computation of effective rocket temperatures in 3.25-in., 5.0-in., and 11.75-in. motors" (CIT UNC 1, supplement) July 2, 1945</b>
Box 90, Folder 32	<b>Memorandum: "The general solution of equations of motion of a fin-stabilized rocket during burning" (CIT OPC 3.1) July 5, 1945</b>
Box 90, Folder 33	<b>Rough draft: "Examples showing the difference between the true angle of attack and the effective angle of attack" (CIT) July 13, 1945</b>
Box 90, Folder 34	<b>Test report: "Analysis of first camera in 11.75" AR dummy data (Project 61A)" (CIT OBC 49.1) Aug. 2, 1945</b>
Box 90, Folder 35	<b>Project engineer's report: "11.75" AR ballistics tests for 0 dive condition" (CIT OHC 1.1) Aug. 3, 1945</b>
Box 90, Folder 36	<b>Technical memorandum: "A consideration of vertical pitch measurements by means of motion" (CIT OMC 18.1) Aug. 10, 1945</b>
Box 90, Folder 37	<b>Final report: "Pitch measurements of 11.75" AR by means of camera-in-round" (CIT OBC 49.1) revised Aug. 22, 1945</b>
Box 90, Folder 38	<b>Technical memorandum: "The pitch meter method of obtaining pre-ignition ballistics data of lanyard fired rockets" (CIT OHC 10.1) Aug. 28, 1945</b>

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<b>General ballistic theory</b>	
	<b>"Method of computing external ballistic data"</b>
Box 91, Folder 1	(CIT OHC 4.2) [n.d]
Box 91, Folder 2	Second edition" (CIT OHC 4.3) [n.d]
	<b>Memoranda I</b>
Box 91, Folder 3	"The ballistic of firing an ASB backwards from an airplane" (CIT ITC 4) [research memo] [n.d]
Box 91, Folder 4	"Comparative trajectories of various AA rockets" [May 1943?]
Box 91, Folder 5	"Ranges and velocities as functions of projectile and propellant weights" (CIT UPC 1) [n.d.]
Box 91, Folder 6	Memorandum: "Procedure in calculating 'dispersions' and 'probable errors'" (CIT IPC 19) [n.d.]
Box 91, Folder 7	"Controlled striking angle of rocket projectiles" by Leverett Davis, Jr., and Charles F. Robinson (NDRC report no. A-58) May 1942
	<b>Memoranda II</b>
Box 91, Folder 8	"Initial conditions for the calculation of CWG trajectories" (CIT MTC 2) [research memo] Mar. 21, 1942
Box 91, Folder 9	"The Didion-Bernoulli approximation for the trajectory of a projectile" (CIT MTC 1) [research memo] Mar. 23, 1942
Box 91, Folder 10	"UP vacuum ranges a function of the burning distance" (CIT IPC 1) May 31, 1942
Box 91, Folder 11	Local intermediate report: "Calculation of probable error" (CIT TPC 1) Dec. 8, 1942
Box 91, Folder 12	Memorandum: "Effect of wind on mean deflections of ASB, 4.5 BR, and CWB" (CIT IPC 11) Jan. 23, 1943
	<b>Local intermediate reports</b>
Box 91, Folder 13	"Determination of the vertical deviation and relations between the various deviations" (CIT IPC 21) Mar. 18, 1943
Box 91, Folder 14	"Deceleration coefficient of the 2-in. AA at high velocities" (CIT IPC 23) Apr. 22, 1943
Box 91, Folder 15	"Curves for the prediction of ranges" (CIT IPC 26) June 1, 1943
Box 91, Folder 16	"Addition of a rocket to a shell to increase the velocity" (CIT IPC 25) June 5, 1943
Box 91, Folder 17	Memorandum: "Comparison of water tunnel tests on the 2¼ in. projectile with field results" (CIT OPC 6) June 12, 1943
Box 91, Folder 18	Local intermediate report: "Deflection of rockets by wind" (CIT IPC 31) June 30, 1943
Box 91, Folder 19	Local intermediate report : "Tests of double-ended rocket motors at Goldstone" (CIT IAC 11) Aug. 5, 1943
Box 91, Folder 20	"Curves for external ballistic calculations on low-velocity rockets fired at high angles," second edition (CIT JPC 2.2) Aug. 20, 1943
Box 91, Folder 21	Local intermediate report: "Range corrections for altitude and wind" (CIT IPC 42) Oct. 9, 1943
Box 91, Folder 22	Local intermediate report: "Drag characteristics of various aircraft rocket projectiles" (CIT IPC 52) Jan. 15, 1944
Box 91, Folder 23	"An introduction to the study of rockets" (CIT JMC 2) Feb. 5, 1944
Box 91, Folder 24	Memorandum: "The choice of a launcher angle to give an impact pattern..." (CIT IPC 58) May 5, 1944
Box 91, Folder 25	Local intermediate report: "Test of significance of differences in deviation in deflection and deviation in range of rockets" (CIT IPC 60) June 19, 1944
Box 91, Folder 26	Memorandum: "Tip-off about a fixed point" (CIT OPC 3) Nov. 17, 1944
Box 91, Folder 27	Local intermediate report: "Range of the 5.0" AR (JPN) Model 5 and Model 11 rockets..." (CIT IBC 73) Jan. 27, 1945
Box 91, Folder 28	Local intermediate report: "Tests of significance of means" (CIT IPC 68) Jan. 27, 1945
Box 91, Folder 29	Memorandum: "Trajectories of rockets at short ranges" CIT OPC 3.1) May 31, 1945
Box 91, Folder 30	"List of C.I.T. reports on exterior ballistics" (CIT OPC 36) July 11, 1945

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	<b>Aircraft rocket sights</b>
Box 91, Folder 31	<b>Local intermediate report: "Experimental values for rocket sight calibration for several aircraft" (CIT IPC 61) June 20, 1944</b>
Box 91, Folder 32	<b>"The CIT aircraft rocket sight Type 2" (CIT JNC 23; OSRD report no. 2263) Oct. 15, 1944</b>
Box 91, Folder 33	<b>Memorandum: "Summary of comparative tests of the rocket sight..." (CIT ORC 1.42) Mar. 8, 1945</b>
Box 91, Folder 34	<b>Memorandum: "Results of free firing training of squadron VMF 512 (F4U-1D)..." (CIT ORC 1.48) Apr. 28, 1945</b>
	<b>Internal ballistics</b>
Box 91, Folder 35	<b>Memoranda by D. S. Clark, W. N. Arnquist, S. Rubin 1941-1942</b>
	<b>Interim reports</b>
Box 91, Folder 36	<b>"Partial burning of ballistite tubes" (PDRC-155; JDC 1) Dec. 12, 1941</b>
Box 91, Folder 37	<b>"The extrusion of UP propellant" (PDRC-155; JDC 1) Dec. 15, 1941</b>
Box 91, Folder 38	<b>"Development of igniter for cage-mounted propellants" (PDRC-155; JCC 1) Dec. 19, 1941</b>
Box 91, Folder 39	<b>Research memorandum: "Motor design" (CIT IBC 6) Jan. 1, 1942</b>
Box 91, Folder 40	<b>Interim report: "Equipment and procedure for static firing tests" (CIT JGC 2) Mar. 21, 1942</b>
Box 91, Folder 41	<b>"The temperature of spontaneous ignition of several samples of American ballistite" (CIT JDC 8) Apr. 2, 1942</b>
Box 91, Folder 42	<b>Interim report: "Some features of the ballistic behavior of high altitude jet-propelled projectiles" June 11, 1942</b>
Box 91, Folder 43	<b>"Some effects of radiation upon double-base powder" (CIT JDC 11) June 15, 1942</b>
Box 91, Folder 44	<b>"Static firing tests on large diameter grains of extruded ballistite" (CIT JDC 12) July 30, 1942</b>
Box 91, Folder 45	<b>"Burning characteristics in the axial perforations of extruded ballistite grains" (CIT JDC 13) July 30, 1942</b>
Box 91, Folder 46	<b>Local intermediate report: "High performance 2-in. APR" (CIT IAC 2) Aug. 13, 1942</b>
Box 91, Folder 47	<b>Local intermediate report: "Design of box grids" (CIT IAC 4) Nov. 6, 1942</b>
Box 91, Folder 48	<b>"Equipment for static firing tests" (CIT JGC 3) Nov. 12, 1942</b>
Box 92, Folder 1	<b>"Design of nozzles" (Excerpts from CIT RDC-1) June 1942</b>
Box 92, Folder 2	<b>"Motor catalog, supplementary internal ballistic curves" (CIT UAC 1.2) Nov. 20, 1942</b>
Box 92, Folder 3	<b>"Influence of size of the axial perforation upon the performance of radial burning grains" (CIT JDC 19) Sept. 21, 1942</b>
Box 92, Folder 4	<b>"Burning rate of four-spoke grains of extruded ballistite" (CIT JDC 18) Sept. 25, 1942</b>
Box 92, Folder 5	<b>"Some properties of solventless ballistite" (CIT JDC 30) Dec. 1, 1942</b>
Box 92, Folder 6	<b>"The influence of temperatures upon design and application of rocket motors" (CIT IAC 7) Jan. 1943</b>
Box 92, Folder 7	<b>Local intermediate report: "Some factors entering into the design of high performance rockets" (CIT IAC 5) Jan. 10, 1943</b>
Box 92, Folder 8	<b>Local intermediate report: "Influence of burning time, mass velocity, and tube wall thickness on the heat failure of rocket tubes" (CIT IAC 6) Jan. 20, 1943</b>
Box 92, Folder 9	<b>"Motor catalog" (CIT UAC 1.3) Feb. 10, 1943</b>
Box 92, Folder 10	<b>"Design of a fast-burning propellant grain for the barrage rocket motor" (CIT JDC 41) Mar. 30, 1943</b>
Box 92, Folder 11	<b>Local intermediate report: "Internal ballistic calculations for four motors with neutral burning grains" (CIT ILC 4) June 8, 1943</b>
Box 92, Folder 12	<b>"Hazards in the shipment of propulsive and non-propulsive rockets" (CIT IMC 1) June 22, 1943</b>
Box 92, Folder 13	<b>"Design of a cruciform charge for the 3.25" rocket motor" (CIT JDC 46) July 19, 1943</b>
Box 92, Folder 14	<b>"Development of the MK 13 cruciform propellant grain" (CIT JDC 56) Dec. 29, 1943</b>

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Box 92, Folder 15	<b>Local intermediate report: "A study of nozzle erosion" (CIT IGC 7) Mar. 8, 1944</b>
Box 92, Folder 16	<b>Local intermediate report: "Temperature gradient in the tubing of the 3.25" rocket motor MK 7" (CIT ILC 5) May 22, 1944</b>
Box 92, Folder 17	<b>Local intermediate report: "The theoretical determination of the effective rocket temperature for the 3.25" MK 7 motor..." (CIT IPC 59) May 22, 1944</b>
Box 92, Folder 18	<b>"An analysis of the Bourdon coil" by Bart. Locanthi Feb. 6, 1945</b>
Box 92, Folder 19	<b>Memorandum: "Effect of powder temperature gradient on the burning of ballistite" May 24, 1944</b>
Box 92, Folder 20	<b>Local intermediate report: "Nozzle erosion as a function of the physical properties of the material" (CIT IAC 13) June 22, 1944</b>
Box 92, Folder 21	<b>Memorandum: "Preliminary studies of rocket jets with normal and high-speed motion pictures" Aug. 7, 1944</b>
Box 92, Folder 22	<b>Weekly progress report for period ending Mar. 31, 1945 (ABL-WPR-54; 4/7/45, OSRD no. 5037)</b>
Box 92, Folder 23	<b>Local intermediate report: "An analysis of the Bourdon coil" (CIT IGC 10) June 27, 1945</b>
	<b>Spin theory</b>
Box 92, Folder 24	<b>"Tests of rotating budd 4 ½-in. rockets" by D. W. Osborne and M. J. Walker (OSRD report no. 1703) [2 copies] August 1943</b>
Box 92, Folder 25	<b>Memorandum: "Effect on accuracy of fire of rotation of a rocket about its axis of symmetry" (CIT IPC 22) Mar. 15, 1943</b>
Box 92, Folder 26	<b>Local intermediate report: "Effect of mal-launching on the accuracy of rockets (spinners)" (CIT IPC 53) Jan. 13, 1944</b>
Box 92, Folder 27	<b>"Notes on the external ballistics of rotating rockets" (CIT JPC 18) [2 copies] Apr. 6, 1944</b>
Box 92, Folder 28	<b>"Deflection of a rotating rocket due to mallaunching" (CIT JPC 20; OSRD report no. 2188) Aug. 10, 1944</b>
Box 92, Folder 29	<b>"Calculation of mallaunching of spin-stabilized rockets" (CIT JPC 22; OSRD report no. 2235) Sept. 20, 1944</b>
	<b>Memoranda I</b>
Box 92, Folder 30	<b>"Preliminary calculations on the forward firing of SSR from airplanes" (CIT OBC 41.4) Oct. 17, 1944</b>
Box 92, Folder 31	<b>"The effect of tip-off for the 5.0" spinners forward fired from airplanes" (CIT OBC 41.2) Oct. 21, 1944, revised Oct. 25, 1944</b>
Box 92, Folder 32	<b>"The relation of the position of a round at the end of burning to its striking point" (CIT OBC 43.1) Oct. 30, 1944</b>
Box 92, Folder 33	<b>"The production of mallaunching by dynamic unbalance" (CIT OBC 41.2) Oct. 30, 1944</b>
Box 92, Folder 34	<b>"The revision of the preliminary report CIT/OFC 3.1" (CIT OFC 3.1) Nov. 6, 1944, revised Dec. 9, 1944</b>
Box 92, Folder 35	<b>"Results of mallaunching calculations" (CIT OBC 43.1) Nov. 7, 1944</b>
Box 92, Folder 36	<b>"Ballistic wind, computation of" Nov. 13, 1944</b>
Box 93, Folder 1	<b>"Variation in drift as a source of dispersion and the dependence of drift on range" (CIT OBC 43.1) Nov. 24, 1944, revised Nov. 25, 1944</b>
Box 93, Folder 2	<b>"Photographic determination of trajectories" (CIT OFC 3.1) Nov. 27, 1944</b>
Box 93, Folder 3	<b>"Clarification of CIT/OBC 43.1" (CIT OBC 43.2) Nov. 29, 1944</b>
Box 93, Folder 4	<b>"Mallaunching of dynamically unbalanced rounds from rigid launchers" (CIT OMC 13) Dec. 9, 1944</b>
Box 93, Folder 5	<b>"Examination of the range dispersion observed in CIT/OBC 43.1" (CIT OBC 43.1) Dec. 9, 1944</b>
Box 93, Folder 6	<b>"The calculation of the mallaunching produced by statistically or dynamically unbalanced rounds" (CIT OPC 3.1) Dec. 12, 1944; "Amplification and extension of CIT/OPC 13.1" Dec. 14, 1944</b>
Box 93, Folder 7	<b>"Wind test on 3.5" SSR December 12, 13, &amp; 14, 1944" (CIT OBC 43.1) Dec. 20, 1944</b>
Box 93, Folder 8	<b>"A theoretical analysis of the results of the field firing of ... 3.5" SSR Model 123 on 22 November 44" (CIT OPC 15.1) Dec. 22, 1944</b>

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Box 93, Folder 9	<b>"An approximate formula for the variation of dispersion ..."</b> (CIT OPC 15) Dec. 26, 1944
Box 93, Folder 10	<b>"Critical test of the effect of dynamic unbalance on mallaunching"</b> Dec. 28, 1944
Box 93, Folder 11	<b>"Mal-launching vs. impact"</b> (CIT OBC 43.1) Jan. 2, 1945
Box 93, Folder 12	<b>"The inertial forces on the parts of a mallaunched rocket"</b> (CIT OFC 3) Jan. 10, 1945
Box 93, Folder 13	<b>"Effect of nozzle malalignment"</b> (CIT OBC 41.2) Jan. 9, 1945
Box 93, Folder 14	<b>"Approximate curves for the trajectory of the 5.0" HCSR during the first 3 seconds"</b> (CIT OPC 15) Jan. 12, 1945
Box 93, Folder 15	<b>"Method of computing ballistic data for rotating rockets"</b> (CIT OHC 8) Jan. 18, 1944
Box 93, Folder 16	<b>"Corrections to and extension of CIT/OPC3..."</b> (CIT OPC 3 revised) Jan. 23, 1945
	<b>Memoranda II</b>
Box 93, Folder 17	<b>"Study of mal-launching of spinners, final report on TR's 1837 and 1847"</b> (CIT OBC 43.1) Jan. 31, 1945
Box 93, Folder 18	<b>"The motion during burning of 5.0"/10 GASR fired forward from airplanes"</b> (CIT OBC 41.2) Feb. 8, 1945
Box 93, Folder 19	<b>"The stability factors and equilibrium yaws of a number of SSR, preliminary report"</b> (CIT OPC 15) Feb. 12, 1945
Box 93, Folder 20	<b>"Motion of the 5.0" hybrid SSR in forward firing from aircraft as inferred from yaw camera records"</b> (CIT OPC 29) Feb. 17, 1945
Box 93, Folder 21	<b>"Second report on the motion of the 5.0"/10 hybrid GASR in forward firing"</b> (CIT OPC 29 Suppl. 1) Feb 17, 1945
Box 93, Folder 22	<b>"Some considerations concerning 'wow-wows'"</b> (CIT OBC 41.1) Feb. 21, 1945
Box 93, Folder 23	<b>"The determination of the stability factor ... from yaw camera measurements"</b> (CIT OPC 30) Feb. 26, 1945
Box 93, Folder 24	<b>Local intermediate report: "Calculated motion of forward- firing spin-stabilized rockets"</b> (CIT IPC 70) Mar. 2, 1945
Box 93, Folder 25	<b>Memorandum: "Mallaunching produced by dynamic unbalance-preliminary report on partially completed test"</b> (CIT OBC 43.1) Mar. 5, 1945
Box 93, Folder 26	<b>Memorandum: "Effect of wind during burning"</b> (CIT OPC 15.1) Mar. 6, 1945
Box 93, Folder 27	<b>Local intermediate report: "Computation of drag and deceleration coefficients of 5.0"/10 GPSR"</b> (CIT IPC 71) Mar. 12, 1945
Box 93, Folder 28	<b>Memorandum: "Effect of wind during burning on the 3.5"/4 GPSR"</b> (CIT OBC 41.2) Mar. 19, 1945
Box 93, Folder 29	<b>Memorandum: "Study of the internal consistencies of the wind test, TR-1954, 12-14/12/44"</b> (CIT OBC 43.1) Mar. 20, 1945
Box 93, Folder 30	<b>Local intermediate report: "The production of instability by the magnus moment"</b> (CIT IPC 75) Apr. 13, 1945
	<b>Memoranda III</b>
Box 93, Folder 31	<b>"The interpretation of yaw camera records when the overturning moment is nonlinear"</b> (CIT OBC 41.4) Apr. 4, 1945
Box 93, Folder 32	<b>"Calculation of the mallaunching and dispersion produced by an uncentered grain in the 5.0"/14 GASR"</b> (CIT OPC 15.1) Apr. 5, 1945
Box 93, Folder 33	<b>"Calculation of the forces and moments required to produce observed mallaunching of the 5.0"/10 GASR"</b> (CIT OBC 41.2) Apr. 12, 1945
Box 93, Folder 34	<b>"The stability factor deduced from the yaw camera record and the effect on it of the magnus moment"</b> (CIT OPC 32) Apr. 14, 1945
Box 93, Folder 35	<b>"Comparison of computed and observed trajectory"</b> (CIT OBC 41.1) Apr. 25, 1945
Box 93, Folder 36	<b>"Dynamic unbalance produced by the grain in the 5/14 GASR"</b> (CIT OBC 41) Apr. 26, 1945
Box 93, Folder 37	<b>"Comparison of wind and water tunnel data"</b> (CIT OBC 41.4) Apr. 30, 1945
Box 93, Folder 38	<b>"Mallaunch of the 5.0"/10 GASR with 12° nozzle in forward firing as determined from yaw camera records"</b> (CIT OHC 10.1) Apr. 30, 1945

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## Part C: Reports

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Box 93, Folder 39	<b>"A formula for the asymptotic value of the error in the value of obtained from eqn. (22) of CIT JPC 17" (CIT OPC 3) May 7, 1945</b>
Box 93, Folder 40	<b>"Summary of some of the properties of the 5.0"/5 HCSR" (CIT OPC 15) May 31, 1945</b>
Box 93, Folder 41	<b>"Survey of dynamic unbalance--3.5"/4 GPSR" June 19, 1945</b>
Box 93, Folder 42	<b>Final report: "'F' factor test of 5.0"/14 GASR" (CIT OBC 41.3) July 5, 1945</b>
Box 93, Folder 43	<b>Memorandum: "A system of notation. For use in treatments of exterior ballistics of rockets" (CIT OZC 23) July 13, 1945</b>
Box 93, Folder 44	<b>Correspondence: Joseph Foladare to Bureau of Ordnance, Washington D.C. July 23, 1945</b> <b>Memoranda IV</b>
Box 93, Folder 45	<b>"Supplement to CIT/OPC 15, 12 Jan. 45" (CIT OPC 15, Supplement 1) Aug. 2, 1945</b>
Box 93, Folder 46	<b>"Characteristics of the 5.0"/5 HCSR for use in the construction of sighting tables" (CIT OPC 15) Aug. 2, 1945</b>
Box 93, Folder 47	<b>"Time of flight vs. payload of 5.0" GPSR" (CIT OBC 41.7) July 27, 1945</b>

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**Part D: Rocket Project Correspondence****Correspondence by person**

Box 94, Folder 1	<b>Arnquist, W. N. Oct. 1943-Aug. 1945</b>
	<b>Davis, Jr., Leverett</b>
Box 94, Folder 2	<b>Mar. 1942; Oct.-Dec. 1943</b>
Box 94, Folder 3	<b>Mar. 1944-Sept. 1945</b>
Box 94, Folder 4	<b>Ellis, E. L. Sept. 1942-Feb. 1943</b>
Box 94, Folder 5	<b>Foladare, J. Dec. 1941-June 1946</b>
Box 94, Folder 6	<b>Follin, Jr., J. W. Jan.-Apr. 1945</b>
	<b>Fowler, W. A.</b>
Box 94, Folder 7	<b>Oct. 1940-Dec. 1941</b>
Box 94, Folder 8	<b>Jan.- Dec. 1942</b>
Box 94, Folder 9	<b>Jan.- Dec. 1943</b>
Box 95, Folder 1	<b>Jan.- Aug. 1944</b>
Box 95, Folder 2	<b>Sept.-Dec. 1944</b>
Box 95, Folder 3	<b>Jan.- Mar. 1945</b>
Box 95, Folder 4	<b>Apr.-Oct. 1945</b>
Box 95, Folder 5	<b>Jan. 1946-n.d.</b>
Box 95, Folder 6	<b>Gardner, T. May 1943-May 1945</b>
	<b>Hafstad, L. R.</b>
Box 95, Folder 7	<b>July-Aug. 1941</b>
Box 95, Folder 8	<b>Oct.-Nov. 1941</b>
	<b>Lauritsen, C. C.</b>
Box 96, Folder 1	<b>Oct. 1941-Dec. 1942</b>
Box 96, Folder 2	<b>Jan.-Dec. 1943</b>
Box 96, Folder 3	<b>Jan.-Dec. 1944</b>
Box 96, Folder 4	<b>Jan.-Dec. 1945</b>
	<b>Lauritsen, T.</b>
Box 96, Folder 5	<b>Dec. 1940-Dec. 1941</b>
Box 96, Folder 6	<b>Jan.-June 1942</b>
Box 96, Folder 7	<b>July-Dec. 1942</b>
Box 96, Folder 8	<b>Jan.-July 1943</b>
Box 96, Folder 9	<b>Aug.-Dec. 1943</b>
Box 97, Folder 1	<b>Jan.-May 1944</b>
Box 97, Folder 2	<b>June-Aug. 1944</b>
Box 97, Folder 3	<b>Sept.-Dec. 1944</b>
Box 97, Folder 4	<b>Jan.-Dec. 1945</b>
Box 97, Folder 5	<b>Jan.-Mar. 1946</b>
Box 97, Folder 6	<b>Norton, B. M. Oct. 1944-Sept. 1945</b>
Box 97, Folder 7	<b>Roach, F. E. Aug.-Oct. 1942</b>

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	<b>Sage, B. H.</b>
Box 97, Folder 8	<b>Sept. 1941-June 1942</b>
Box 97, Folder 9	<b>July-Sept. 1942</b>
Box 98, Folder 1	<b>Oct. 1942</b>
Box 98, Folder 2	<b>Nov. 1942</b>
Box 98, Folder 3	<b>Dec. 1942</b>
Box 98, Folder 4	<b>Jan. 1-15, 1943</b>
Box 98, Folder 5	<b>Jan. 15-31, 1943</b>
Box 98, Folder 6	<b>Feb.-Mar. 1943</b>
Box 98, Folder 7	<b>Apr. 1943</b>
Box 98, Folder 8	<b>May-June 1943</b>
Box 98, Folder 9	<b>June 1943</b>
Box 98, Folder 10	<b>July 1943</b>
Box 99, Folder 1	<b>Aug. 1943</b>
Box 99, Folder 2	<b>Sept.-Oct. 1943</b>
Box 99, Folder 3	<b>Nov.-Dec. 1943</b>
Box 99, Folder 4	<b>Jan.-Feb. 1944</b>
Box 99, Folder 5	<b>Smythe, W. R. June 1942-Oct. 1945</b>
	<b>Snyder, C. W.</b>
Box 99, Folder 6	<b>May 1943-May 1944</b>
Box 99, Folder 7	<b>June-Dec. 1944</b>
Box 99, Folder 8	<b>Jan.-Aug. 1945</b>
	<b>Watson, E. C.</b>
Box 99, Folder 9	<b>Oct. 1941-Dec. 1942</b>
Box 99, Folder 10	<b>Jan.-Dec. 1943</b>
Box 100, Folder 1	<b>Jan.-Dec. 1944</b>
Box 100, Folder 2	<b>Jan. 1945-Apr. 1946</b>
Box 100, Folder 3	<b>Younger, U. E. Sept. 1943</b>
	<b>Correspondence by organization</b>
	<b>Bureau of Ordnance Design Unit (BODU)</b>
Box 100, Folder 4	<b>Feb.-Nov. 1943</b>
Box 100, Folder 5	<b>Feb.-Aug. 1944</b>
Box 100, Folder 6	<b>Sept-Dec. 1944</b>
Box 100, Folder 7	<b>Jan.-Nov. 1945</b>
Box 100, Folder 8	<b>Harlow Aircraft Co. Aug.-Dec. 1943</b>
	<b>Navy Department</b>
Box 100, Folder 9	<b>Jan-Dec. 1942</b>
Box 101, Folder 1	<b>Jan.-Apr. 1943</b>
Box 101, Folder 2	<b>May-July 1943</b>
Box 101, Folder 3	<b>Aug.-Sept. 1943</b>
Box 101, Folder 4	<b>Oct.-Dec. 1943</b>
Box 101, Folder 5	<b>Jan.-Mar. 1944</b>
Box 101, Folder 6	<b>Apr.-June 1944</b>
Box 102, Folder 1	<b>July-Sept. 1944</b>
Box 102, Folder 2	<b>Oct.-Dec. 1944</b>
Box 102, Folder 3	<b>Jan.-Mar. 1945</b>
Box 102, Folder 4	<b>Apr. 1945-Jan. 1946</b>
	<b>Office of Scientific Research and Development (OSRD)</b>
Box 102, Folder 5	<b>Dec. 1940-June 1942</b>
Box 102, Folder 6	<b>July-Sept. 1942</b>
Box 102, Folder 7	<b>Oct.-Dec. 1942</b>
Box 103, Folder 1	<b>Jan.-Mar. 1943</b>
Box 103, Folder 2	<b>Apr.-June 1943</b>
Box 103, Folder 3	<b>July 1943</b>
Box 103, Folder 4	<b>Aug.-Sept. 1943</b>
Box 103, Folder 5	<b>Oct. 1943</b>
Box 103, Folder 6	<b>Nov.-Dec. 1943</b>
Box 103, Folder 7	<b>Jan.-Feb. 1944</b>

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Box 103, Folder 8	<b>Mar.-Apr. 1944</b>
Box 104, Folder 1	<b>May 1944</b>
Box 104, Folder 2	<b>June 1944</b>
Box 104, Folder 3	<b>July 1944</b>
Box 104, Folder 4	<b>Aug. 1944</b>
Box 104, Folder 5	<b>Sept.-Oct. 1944</b>
Box 104, Folder 6	<b>Nov.-Dec. 1944</b>
Box 104, Folder 7	<b>Jan. 1945</b>
Box 104, Folder 8	<b>Feb.-Mar. 1945</b>
Box 104, Folder 9	<b>Apr.-June 1945</b>
Box 105, Folder 1	<b>July-Sept. 1945</b>
Box 105, Folder 2	<b>Oct. 1945-July 1946</b>
	<b>War Department</b>
Box 105, Folder 3	<b>Nov. 1941-Dec. 1942</b>
Box 105, Folder 4	<b>Jan.-Dec. 1943</b>
Box 105, Folder 5	<b>Jan.-Dec. 1944</b>
Box 105, Folder 6	<b>Jan.-Oct. 1945</b>
	<b>Correspondence by subject</b>
	<b>Aircraft</b>
Box 105, Folder 7	<b>July-Dec. 1942</b>
Box 105, Folder 8	<b>Jan.-Dec. 1943</b>
Box 105, Folder 9	<b>Jan.-Dec. 1944</b>
Box 105, Folder 10	<b>Jan.-July 1945</b>
	<b>Anti Submarine Bombs (ASB) Rockets</b>
Box 106, Folder 1	<b>May-Sept. 1942</b>
Box 106, Folder 2	<b>Oct.-Dec. 1942</b>
Box 106, Folder 3	<b>Jan.-Nov. 1943</b>
	<b>Beach Barrage Rockets (BBR)</b>
Box 106, Folder 4	<b>July-Dec. 1942</b>
Box 106, Folder 5	<b>Jan.-Mar. 1943</b>
Box 106, Folder 6	<b>Apr.-July 1943</b>
Box 106, Folder 7	<b>Aug.-Oct. 1943</b>
	<b>Chemical Warfare Bombs (CWB)</b>
Box 106, Folder 8	<b>Jan.-Dec. 1942</b>
Box 106, Folder 9	<b>Jan.-May 1943</b>
	<b>Chemical Warfare Grenade (CWG)</b>
Box 106, Folder 10	<b>May-June 1942</b>
	<b>Chemical Warfare Rockets (CWR)</b>
Box 106, Folder 11	<b>June-Dec. 1943</b>
	<b>Forward Firing Rockets</b>
Box 106, Folder 12	<b>Jan.-Feb. 1944</b>
	<b>Fuzes</b>
Box 106, Folder 13	<b>May-Dec. 1942</b>
Box 107, Folder 1	<b>Jan.-May 1943</b>
Box 107, Folder 2	<b>June.-Sept. 1943</b>
Box 107, Folder 3	<b>Oct.-Dec. 1943</b>
Box 107, Folder 4	<b>Jan.-Feb. 1944</b>
Box 107, Folder 5	<b>Mar.-May 1944</b>
Box 107, Folder 6	<b>Jun.-Dec. 1944</b>
Box 107, Folder 7	<b>Jan.-Oct. 1945</b>
	<b>Launchers</b>
	<b>Beach Barrage (BR) launchers</b>
Box 108, Folder 1	<b>Apr.-Dec. 1943</b>

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	<b>Forward Firing (FF) launchers</b>
Box 108, Folder 2	<b>Sept.-Oct. 1943</b>
Box 108, Folder 3	<b>Nov.-Dec. 1943</b>
Box 108, Folder 4	<b>Jan.-Feb. 1944</b>
Box 108, Folder 5	<b>Mar.-June. 1944</b>
	<b>Land/Amphibious (LA) launchers</b>
Box 108, Folder 6	<b>May-Sept. 1943</b>
Box 108, Folder 7	<b>Oct.-Dec. 1943</b>
Box 108, Folder 8	<b>Jan.-Feb. 1944</b>
Box 108, Folder 9	<b>Mar.-May 1944</b>
Box 108, Folder 10	<b>June 1944</b>
	<b>General</b>
Box 108, Folder 11	<b>Aug. 1942-Aug. 1943</b>
Box 108, Folder 12	<b>Sept.-Dec. 1943</b>
Box 109, Folder 1	<b>Jan.-May 1944</b>
Box 109, Folder 2	<b>June-July 1944</b>
Box 109, Folder 3	<b>Aug.-Dec. 1944</b>
Box 109, Folder 4	<b>Jan.-Aug. 1945</b>
Box 109, Folder 5	<b>Project "Moses" June-July 1944</b>
Box 109, Folder 6	<b>Project "Tiny Tim" May-June 1944</b>
Box 109, Folder 7	<b>July 1944</b>
	<b>Projectiles</b>
Box 109, Folder 8	<b>May-Aug. 1943</b>
Box 109, Folder 9	<b>Sept.-Dec. 1943</b>
Box 110, Folder 1	<b>Jan.-Dec. 1944</b>
Box 110, Folder 2	<b>Jan.-Nov. 1945</b>
	<b>Retro Torpedo</b>
Box 110, Folder 3	<b>Apr.-Dec. 1943</b>
Box 110, Folder 4	<b>Jan.-June 1944</b>
	<b>Spinner Rockets</b>
Box 110, Folder 5	<b>Dec. 1943-Feb. 1944</b>
	<b>Target Rockets</b>
Box 110, Folder 6	<b>1941</b>
Box 110, Folder 7	<b>Jan.-Dec. 1942</b>
Box 110, Folder 8	<b>Jan.-Sept. 1943</b>
Box 110, Folder 9	<b>Oct.-Dec. 1943</b>
	<b>Vertical Flares</b>
Box 111, Folder 1	<b>Aug.-Dec. 1942</b>
Box 111, Folder 2	<b>Jan.-Oct. 1943</b>
	<b>Vertical Bombing</b>
Box 111, Folder 3	<b>July-Oct. 1942</b>
Box 111, Folder 4	<b>Nov.-Dec. 1942</b>
Box 111, Folder 5	<b>Jan.-Mar. 1943</b>
Box 111, Folder 6	<b>Apr.-Nov. 1943</b>

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**Part E: Rocket Project Miscellaneous**

	<b>South Pacific Theatre Trip</b>
Box 111, Folder 7	<b>Travel information Nov. 1943-May 1944</b>
Box 111, Folder 8	<b>Trip notes and notebook</b>
	<b>South Pacific reports</b>
Box 111, Folder 9	<b>Feb.-Apr. 1944</b>

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Box 111, Folder 10	<b>Sept. 1944-Jan. 1945</b>
Box 111, Folder 11	<b>South Pacific combat reports Jan. 1944-Aug. 1945</b>
Box 112, Folder 1	<b>Final report: "The use of rockets in the South West Pacific area" 1944</b>
Box 112, Folder 2	<b>Manuscript</b>
Box 112, Folder 3	<b>Photographs not included in final report</b>
Box 112, Folder 4	<b>Final version [includes photos] 1944</b>
	<b>"Rockets go to war," manuscript by J. D. Gerrard-Gough (naval historian) annotated by W. A. Fowler 1973</b>
	<b>Manuscripts</b>
Box 112, Folder 5	<b>"Target areas of rocket projectiles" 1944</b>
	<b>"Rocket fuzes" book 1946</b>
Box 112, Folder 6	<b>Preface, chapters 1-3 written by R. B. King</b>
Box 112, Folder 7	<b>Chapters 4-5 written by V. K. Rasmussen</b>
Box 112, Folder 8	<b>Chapter 6 written by J. B. Hatcher</b>
Box 112, Folder 9	<b>Chapter 7 written by H. E. Fracker</b>
Box 112, Folder 10	<b>Copy of "Chapter 18: Service designs of fin-stabilized rockets for surface warfare" by Conway W. Snyder [1946?]</b>
Box 112, Folder 11	<b>Copy of "Chapter 19: Service designs of fin-stabilized rockets for aircraft armaments" by Conway W. Snyder [1946?]</b>
Box 113, Folder 1	<b>Excerpts from US Rocket Ordnance, manuscript and correspondence 1947</b>
Box 113, Folder 2	<b>"Rocket borne atomic bombs" n.d.</b>
	<b>"Rockets book" n.d.</b>
Box 113, Folder 3	<b>Chapters 1-6</b>
Box 113, Folder 4	<b>Chapters 7-10</b>
Box 113, Folder 5	<b>"The relationship of the California Institute of Technology to industrial and governmental research" by Dr. Max Mason n.d.</b>
Box 113, Folder 6	<b>[Rocket weapons] n.d.</b>
Box 113, Folder 7	<b>"Scientific research in the Army" by Harold C. Urey n.d.</b>
	<b>Publications</b>
	<b>Newspaper clippings</b>
Box 113, Folder 8	<b>Allied landing in New Guinea April 1944</b>
Box 113, Folder 9	<b>Philippines front March 1945</b>
Box 113, Folder 10	<b>Atomic bomb Aug. 1945</b>
Box 113, Folder 11	<b>Rockets, miscellaneous</b>
	<b>Periodicals</b>
Box 113, Folder 12	<b><i>CIT Newsletter</i> May-July 1944</b>
	<b><i>Confidential Bulletin</i></b>
Box 113, Folder 13	<b>Aug. 1944-Dec. 1944</b>
Box 113, Folder 14	<b>Jan.-Apr. 1945</b>
Box 113, Folder 15	<b>May-July 1945</b>
Box 113, Folder 16	<b><i>The Military Engineer</i> May 1944-July 1945</b>
	<b><i>Naval Aviation Confidential Bulletin</i></b>
Box 114, Folder 1	<b>June-Dec. 1944</b>
Box 114, Folder 2	<b>Jan.-July 1945</b>
Box 114, Folder 3	<b><i>Naval Aviation News</i> Apr. 1945</b>
Box 114, Folder 4	<b><i>Rocket</i></b>
	<b>Apr. 1945 (3 copies)</b>
	<b>June 1945 (2 copies)</b>
	<b>Aug. 1945</b>

	<b>Miscellaneous publications, reports and documents</b>
Box 114, Folder 5	"Bombs and fuzes," US Navy manual, 1942; "Enemy bombs and fuzes," US Navy manual, 1942
Box 114, Folder 6	"Projectiles and fuzes" US Navy manuals [2 quarter size notebooks] 1943
Box 115, Folder 1	"The Douglas Invader" Sept. 1943
Box 115, Folder 2	"Terminal ballistics and explosive effects" Oct. 1943
Box 115, Folder 3	"Douglas DGP-1 twin .50 cal. gun package" Mar. 1944
Box 115, Folder 4	"Army-Marines-Navy telephone directory" Mar. 1944
Box 115, Folder 5	"British Rockets and Fuzes" July 1945
Box 115, Folder 6	"Range table for 2.25-inch aircraft rocket..." Aug. 1945
Box 115, Folder 7	"US Rocket Ordnance: development and use in World War II" 1946
Box 115, Folder 8	Memorandum: Dummy for ammunition catalog for SSR [Spin-Stabilized Rockets] n.d.
Box 115, Folder 9	Lists of films on rocket development 1943 [?]-1945, n.d.
Box 115, Folder 10	Fuze diagrams, unidentified and undated
Box 115, Folder 11	<b>Miscellaneous printed matter</b>

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### **Part F: Atomic Bomb**

#### **Note**

For atom bomb, **see also**: Series V, National Academy of Sciences and U.S. Atomic Energy Commission

Box 115, Folder 12	<b>Unidentified documents ca 1945</b>
Box 115, Folder 13	<b>Miscellaneous documents 1945-1946</b>  <b>Association of Pasadena Scientists</b> <b>Federation of Atomic Scientists</b> <b>Independent Citizens Committee of the Arts, Sciences and Professions</b> <b>Continuations Committee of Science and Education</b> <b>Association of Los Alamos Scientists (ALAS) 1945-1946</b>  <b>Los Alamos Newsletter, nos. 1-31 [no. 11 missing]</b> <b>Atomic and hydrogen bombs, miscellaneous printed matter 1945-1950</b>
Box 115, Folder 14	
Box 115, Folder 15	
Box 115, Folder 16	<b>Committee on Declassification: Recommendations on Release of Atomic Bomb Information 1946</b>
Box 115, Folder 17	<b>Atomic Scientists of Chicago</b>  <b>Bulletin of the Atomic Scientists 1946, 1950, 1952</b> <b>United Nations Atomic Energy Commission</b>
Box 115, Folder 18	<b>The International Control of Atomic Energy (Second Report) Sept. 11, 1947</b>

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### **Part G: War and Postwar Miscellaneous**

Box 115, Folder 19	"Longhairs and Short Waves: How M.I.T.'s Radiation Laboratory handled development engineering for microwave radar" <i>Fortune</i> Magazine Nov. 1945
Box 115, Folder 20	Postwar letters of reference and recommendation 1945-1947  <b>Adams, R. V.</b> <b>Becker, R. A.</b> <b>Bennett, W. H.</b> <b>Blitzer, L.</b>

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**Cover, J. H., Jr.**  
**Cox, C. S.**  
**Epstein, L. I.**  
**Griffin, W. H.**  
**Johnson, P.**  
**Mills, M.**  
**Mosteller, G.**  
**Ridley, G. B.**  
**Ritter, A.**  
**Rubin, S.**  
**Snyder, C. W.**  
**Tomlinson, E. P.**  
**Trilling, L.**  
**Waugh, J. G.**

Series IV: **Project Vista**

**History**

Box 116, Folder 1      **"History of the development of Project Vista," memorandum from L. A. DuBridge to W. A. Fowler Mar. 27, 1951**

Box 116, Folder 2      **"Project Vista," memorandum from L. A. DuBridge to Caltech's Board of Trustees Apr. 5, 1951**

Box 116, Folder 3      **"Vista briefing," Project Wolverine briefings, University of Michigan, Ann Arbor July 2, 1953**

Box 116, Folder 4      **"Project Vista," seminar on National security Feb. 17, 1965**

Box 116, Folder 5      **"Project Vista and nuclear weapons in Europe," by David C. Elliot, in *International Security* Summer 1986**

**Administrative**

Box 116, Folder 6      **Policies and procedures**

Box 116, Folder 7      **Personnel lists**

Box 116, Folder 8      **Staff group lists**

Box 116, Folder 9      **Caltech personnel, letters of appointment**

Box 116, Folder 10      **Non-Caltech personnel**

Box 116, Folder 11      **Personnel security clearances**

Box 116, Folder 12      **Personnel salary information**

Box 116, Folder 13      **Travel procedures**

Box 116, Folder 14      **Contract information**

Box 116, Folder 15      **Contract cost status reports**

Box 116, Folder 16      **Faculty and staff time spent on Project Vista Dec. 1951**

**Correspondence**

Box 117, Folder 1      **A-B**

Box 117, Folder 2      **C-D**

Box 117, Folder 3      **E-F**

Box 117, Folder 4      **G-H**

Box 117, Folder 5      **J-L**

Box 117, Folder 6      **M-O**

Box 117, Folder 7      **P-Q**

Box 117, Folder 8      **R-S**

Box 117, Folder 9      **T-Z**

Box 117, Folder 10      **Project Vista Committee meetings Mar.-May 1951**



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Box 117, Folder 11	<b>Briefings, Apr.-July 1951, Feb. 1952</b>
Box 117, Folder 12	<b>Seminars May-July 1951</b>
Box 117, Folder 13	<b>Vista Group Chairmen meetings July-Dec. 1951</b>
Box 117, Folder 14	<b>Vista Group Chairmen, miscellaneous correspondence Mar. 1951-Apr. 1952</b>
Box 118, Folder 1	<b>Rocket firing tests Feb.-Dec. 1951</b>
Box 118, Folder 2	<b>"Operation Rack" July 30-Aug. 10, 1951</b>
Box 118, Folder 3	<b>"Southern Pines" exercises Aug. 13-31, 1951</b>
Box 118, Folder 4	<b>Declassification of: "The exterior ballistics of artillery rockets" by L. Davis, Jr. June 1951-Mar. 1952</b>
Box 118, Folder 5	<b>Recommendations on "Honest John" Oct. 29, 1951</b>
Box 118, Folder 6	<b>Disposition of Project Vista materials Mar. 1952</b>
	<b>Final report</b>
Box 118, Folder 7	<b>Preliminary conclusions and recommendations Apr.-Dec. 1951</b>
Box 118, Folder 8	<b>Outline</b>
Box 118, Folder 9	<b>Foreword drafts</b>
Box 118, Folder 10	<b>Chapter IV, section A-3-C: "Neutralization and barrage fire in defense of a wide front" Oct. 1951</b>
Box 118, Folder 11	<b>Chapter IV, section A-3-E: "Mines" Nov. 1951</b>
Box 118, Folder 12	<b>Appendix XI-A and XI-B: "PW material requirements;" "Elements of a possible PW plan for the defense of Western Europe" Nov. 1951</b>
Box 118, Folder 13	<b>Errata Feb. 1952</b>
Box 118, Folder 14	<b>Correspondence Aug. 1951-Dec. 1952</b>
	<b>Project Vista Library</b>
Box 118, Folder 15	<b>Library log Apr. 1951-Feb. 1952</b>
Box 118, Folder 16	<b>Memos May-Nov. 1951</b>
	<b>Correspondence</b>
Box 119, Folder 1	<b>Apr.- June 1951</b>
Box 119, Folder 2	<b>July 1951</b>
Box 119, Folder 3	<b>Aug. 1951</b>
Box 119, Folder 4	<b>Sept. 1951</b>
Box 119, Folder 5	<b>Oct.-Dec. 1951</b>
Box 119, Folder 6	<b>Jan. 1952-Feb. 1953</b>
Box 119, Folder 7	<b>Documentary films outlines 1951</b>
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Box 123, Folder 4	"Anti-aircraft weapons for shipboard use," (SC-141), by B. H. Sage, U.S. Naval Ordnance Test Station Dec. 1951 [report]
Box 123, Folder 5	"The use of water-entry techniques to study the earth-entry behavior of projectiles" Jan. 10, 1952 [technical report]
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Box 138, Folder 2	<b>Correspondence and documents 1977-1979</b>
Box 138, Folder 3	<b>1979 Report 1979-1980</b>
	<b>Manpower Subcommittee</b>
Box 138, Folder 4	<b>Correspondence and documents 1977-1978</b>
Box 138, Folder 5	<b>Correspondence and documents 1979-1980</b>
Box 138, Folder 6	<b>Report/Census 1978 1979</b>
Box 138, Folder 7	<b>Working Group on User-Mode Operations, correspondence and documents 1978-1979</b>
	<b>Working Group on Ongoing Programs and Laboratory Operations</b>
Box 138, Folder 8	<b>Correspondence and documents 1978-1980</b>
Box 138, Folder 9	<b>Report 1979-1980</b>
Box 138, Folder 10	<b>Nomination for Director of the NSF 1977-1979</b>
	<b>Astronomy Advisory Committee. Subcommittee on Laboratory and Theoretical Astrophysics, documents and correspondence</b>

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Box 138, Folder 11	<b>1977</b>
Box 138, Folder 12	<b>1978-1979</b>
Box 138, Folder 13	<b>Advisory Committee for the Division of Physics 1978; 1981-1984</b>
Box 138, Folder 14	<b>Organic Act revision 1979-1980</b>
	<b>Subcommittee on Laboratory and Theoretical Astrophysics, questionnaire responses 1979</b>
Box 139, Folder 1	<b>Directors, chairmen, etc.</b>
Box 139, Folder 2	<b>Theoretical astronomers</b>
Box 139, Folder 3	<b>Observational astronomers</b>
Box 139, Folders 4-5	<b>Laboratory researchers See also: NAS/NRC Astronomy Survey Committee</b> <b>Physical Description: [2 folders]</b>
Box 139, Folder 6	<b>Budget authorization hearings; testimony on instrumentation. House Subcommittee on Science Research and Technology Mar. 4, 1982</b>
Box 139, Folder 7	<b>Panel for the Experimental Program to Stimulate Competitive Research (EPSCOE) 1986</b>
Box 139, Folder 8	<b>Panel on cosmology 1988</b>
Box 139, Folder 9	<b>Miscellaneous correspondence 1956-1987</b>
Box 139, Folder 10	<b>Oak Ridge National Laboratory, Advisory Committee for Electronuclear Research and Physics 1959-1963; 1966-1973</b>
Box 140, Folder 1	<b>The Planetary Society 1981</b>
Box 140, Folder 2	<b>The Royal Society of Arts 1985</b>
Box 140, Folder 3	<b>University of California Radiation Laboratory, Livermore 1956-1959</b>
	<b>U.S. Air Force</b>
Box 140, Folder 4	<b>Missile Development Center 1957-1960</b>
	<b>Office of Scientific Research, Physics Advisory Committee, correspondence 1960-1963</b>
Box 140, Folder 5	<b>1964</b>
Box 140, Folder 6	<b>U.S. Army Combat Development Experimentation Center, Scientific Advisory Committee 1957</b>
	<b>U.S. Atomic Energy Commission (AEC)</b>
Box 140, Folder 8	<b>Atomic Energy Act of 1946 ("McMahon Bill")</b>
Box 140, Folder 9	<b>Atomic Energy and the Physical Sciences, report 1950</b>
Box 140, Folder 10	<b>Guide for Project Personnel on Classification of H-Bomb Information in 1950</b>
Box 140, Folder 11	<b>Sherwood Steering Committee 1958-1959; 1965</b>
Box 140, Folder 12	<b>Second International Conference on the Peaceful Uses of Atomic Energy, Geneva, Switzerland Sept. 1-13, 1958</b>
Box 140, Folder 13	<b>Controlled Thermonuclear Research (CTR), Standing Committee correspondence 1966-1970</b>
	<b>U.S. Energy Research and Development Administration (ERDA)</b>
Box 140, Folder 14	<b>Reports on high energy physics facilities 1975, 1977</b>
Box 140, Folder 15	<b>Assistant Director search 1977</b>
	<b>U.S. House of Representatives</b>
	<b>Statement before the Committee on Science Technology (solar neutrino) Mar. 8, 1984</b>
Box 141, Folder 1	<b>Long presentation</b>
Box 141, Folder 2	<b>Short presentation</b>
Box 141, Folder 3	<b>Correspondence and newspaper clippings</b>
	<b>U.S. Navy</b>
Box 141, Folder 4	<b>Nuclear Physics Advisory Committee (NPAC) 1962-1965</b>

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	<b>Naval Research Advisory Committee (NRAC)</b>
Box 141, Folder 5	<b>Letters of appointment 1962-1970</b>
	<b>Committee correspondence</b>
Box 141, Folder 6	<b>1963-1964</b>
Box 141, Folder 7	<b>1965-1966</b>
Box 141, Folder 8	<b>1967-1968</b>
Box 141, Folder 9	<b>1969-1970</b>
Box 141, Folder 10	<b>Continental Branch Office Liaison Group 1963-1964</b>
	<b>Naval Radiological Defense Laboratory (NRDL), Board of Visitors</b>
Box 141, Folder 11	<b>Letters of appointment 1966-1968</b>
Box 141, Folder 12	<b>Board correspondence 1966-1968</b>
Box 141, Folder 13	<b>U.S. Naval Postgraduate School 1966</b>
Box 141, Folder 14	<b>Naval Underwater Warfare Center, Advisory Board 1967</b>
Box 141, Folder 15	<b>U.S. War Department, correspondence 1946</b>

Series VI: **Talks and Conferences**

Box 142, Folder 1	<b>Nuclear fission lecture Oct. 1945</b>
Box 142, Folder 2	<b>Nuclear fission lecture, Whittier College July 10, 1946</b>
Box 142, Folder 3	<b>"Atoms and men," California Council for Adult Education 1946-1947</b>
Box 142, Folder 4	<b>"Gamma radiation from Be 9 + H 1," University of Southern California, Jan. 3-4, 1947</b>
Box 142, Folder 5	<b>"Neutrino seminar for Navy" Mar. 12, 1948; Nov. 5, 1948</b>
Box 142, Folder 6	<b>"Nuclear physics," Bridge Laboratory, Caltech May 7, 1948</b>
Box 142, Folder 7	<b>"Symposium on Cosmic Rays," Caltech June 21-23, 1948</b>
Box 142, Folder 8	<b>"Nuclear physics," Sigma Xi talk Apr. 1949</b>
Box 142, Folder 9	<b>"Discovery of the atomic energy," talk for Roger Hayward's Club Nov. 1, 1949</b>
Box 142, Folder 10	<b>"H-bomb," talk for Chapman College Feb. 20, 1950</b>
Box 142, Folder 11	<b>"The release of nuclear energy," American Association of Physics Teachers, Whittier, California Mar. 18, 1950</b>
Box 142, Folder 12	<b>"The case against nuclear weapons," Altadena-Pasadena Young Democrats Mar. 23, 1950</b>
Box 142, Folder 13	<b>Caltech Associates talk May 3, 1950</b>
Box 142, Folder 14	<b>"The case against nuclear weapons," Unitarian Public Forum, First Unitarian Church, Los Angeles May 5, 1950</b>
Box 142, Folder 15	<b>Oak Ridge talk June 9, 1950</b>
Box 142, Folder 16	<b>Stellar talk in Kellogg Laboratory Oct. 27, 1950</b>
Box 142, Folder 17	<b>"The cost of modern physics" ca 1950</b>
Box 142, Folder 18	<b>"The past decade in nuclear physics" ca 1950</b>
Box 142, Folder 19	<b>"Atomic energy," Patent Association talk Feb. 26, 1951</b>
Box 142, Folder 20	<b>Selection Rule Seminar Apr. 2, 9, 10, 1952 and n.d.</b>
Box 142, Folder 21	<b>Rocket talk, Naval Reserve Apr. 8, 1952</b>
Box 142, Folder 22	<b>"Nuclear structure and transmutation," University of California, Los Angeles Oct. 27, 1952 See also: Series VIII, 1954 reprint</b>

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Box 142, Folder 23	<b>Seminar on calculation of off-resonance nuclear cross-sections Nov. 21, 1952</b>
Box 142, Folder 24	<b>"Recent developments in atomic science," Fullerton Forum, California Jan. 29, 1953</b>
Box 142, Folder 25	<b>"Recent experimental evidence on stellar nuclear reactions," American Physical Society meeting, Washington, D. C. Apr. 29, 1953</b>
Box 142, Folder 26	<b>"Cross-sections of proton reactions," University of New Mexico Sept. 1953</b>
Box 142, Folder 27	<b>[Atomic energy] sophomore lecture Mar. 12, 1954; 1956; 1957</b>
Box 142, Folder 28	<b>"Nuclear reactions in stars," Kapitza Club talk, Cambridge University Oct. 10, 1954</b>
Box 142, Folder 29	<b>"Helium burning," Cambridge University Oct. 20, 1954</b>
Box 142, Folder 30	<b>Harwell lecture Nov. 18, 1954</b>
Box 142, Folder 31	<b>"Stellar evolution and synthesis of the heavy elements," Cambridge University Jan. 11, 1955</b>
Box 142, Folder 32	<b>"Nuclear reactions in stars," Swedish Academy of Science, Stockholm Jan. 26, 1955</b>
Box 142, Folder 33	<b>"Recent developments in American science," Fulbright talk, University of London Mar. 21, 1955</b>
Box 142, Folder 34	<b>Heidelberg University talk Apr. 2, 1955</b>
Box 142, Folder 35	<b>"Element synthesis in stars: interior helium burning," Kellogg Laboratory seminar Aug. 30, 1955</b>
Box 142, Folder 36	<b>"Nuclear reactions and element synthesis in the surface of stars," Kellogg Laboratory seminar Sept. 2, 1955</b>
Box 142, Folder 37	<b>Bridge seminar Sept. 30, 1955</b>
Box 142, Folder 38	<b>Astrophysics seminar Oct. 5, 1955</b>
Box 142, Folder 39	<b>"Synthesis of the elements in stars," National Academy of Sciences, Autumn meeting, Caltech Nov. 2, 1955</b>
Box 142, Folder 40	<b>"B 12 and the red giants," Sigma Xi talk Feb. 21, 1956</b>
Box 142, Folder 41	<b>Caltech Alumni talk Apr. 7, 1956</b>
Box 142, Folder 42	<b>Lockheed talk Apr. 12, 1956</b>
Box 142, Folder 43	<b>"B 12 and the red giants," Oak Ridge talk Apr. 23, 1956</b>
Box 142, Folder 44	<b>"Origin of the elements," May 22, 1956</b>
Box 142, Folder 45	<b>Symposium on Nuclear Abundances and Stellar Evolution, University of Michigan July 8-12, 1956</b>
Box 142, Folder 46	<b>"Nuclear processes in stars," Joint Meeting of the American Astronomical Society and the Astronomical Society of the Pacific, University of California, Berkeley Aug. 27, 1956</b>
Box 142, Folder 47	<b>Talks at Los Alamos Sept. 11, 13-14, 1956</b>
Box 142, Folder 48	<b>Talk at the American Association of <i>Physics Teachers</i> meeting, Caltech Oct. 13, 1956</b>
Box 142, Folder 49	<b>"Element synthesis in stars," Bridge lecture (public talk) Oct. 19, 1956</b>
Box 142, Folder 50	<b>"Origin of the elements," Bridge seminar Nov. 1, 1956</b>

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Box 142, Folder 51	<b>Princeton University talks Nov. 11-12, 1956</b>
Box 142, Folder 52	<b>"Synthesis of the elements," Monterey Physics Society talk Dec. 29, 1956</b>
Box 142, Folder 53	<b>"Elements synthesis in supernovae," National Academy of Sciences meeting, Washington, D.C. Apr. 24, 1957</b>
Box 142, Folder 54	<b>"Nuclear processes in stars and the origin of the elements," University of South Carolina Apr. 29, 1957</b>
Box 142, Folder 55	<b>"Origin of the elements," L. A. High School talk May 14, 1957</b>
Box 142, Folder 56	<b>"Nuclear processes and element synthesis in stars," Specola Vaticana, Rome May 24, 1957</b>
Box 142, Folder 57	<b>Copenhagen talk June 13, 1957</b>
Box 142, Folder 58	<b>Talks at the University of Michigan June 25, 26, 28, and July 1-3, 1957</b>
Box 143, Folder 1	<b>"Neutron reactions in stars," Theoretical Reactor Physics Conference, Phillips Petroleum Co., Sun Valley, Idaho Sept. 22, 1957</b>
Box 143, Folder 2	<b>Kellogg Laboratory seminar Oct. 12, 1957</b>
Box 143, Folder 3	<b>"Origin of the elements," Geophysics course lectures Oct. 21-31, 1957</b>
Box 143, Folder 4	<b>"The origin of the elements," UCLA Extension, Los Angeles Dec. 11, 1957</b>
Box 143, Folder 5	<b>"Horizons of Science," McKinley PTA Science Club Mar. 4, 1958</b>
Box 143, Folder 6	<b>"Chalk River Project" talk, [Ontario, Canada] Mar. 10, 1958</b>
Box 143, Folder 7	<b>"The origin of the elements," University of Vermont Mar. 14, 1958</b>
Box 143, Folder 8	<b>"The origin of the elements;" "Experiments on stellar nuclear reactions;" "The nature of the beta-interaction in the decay of Li 8," Harvard University Mar.-Apr. 1958</b>
Box 143, Folder 9	<b>"Proton-proton chain, CNO-cycle and synthesis of the elements," 1958; Gordon Conference on Nuclear Chemistry, Meriden, New Hampshire, June 26, 1958</b>
Box 143, Folder 10	<b>University of Southern California (USC) Summer School lectures July 7 and 9, 1958</b>
	<b>10th General Assembly of the International Astronomical Union, Moscow August 1958</b>
Box 143, Folder 11	<b>Correspondence and documents 1957-1958</b>
Box 143, Folder 12	<b>Talks following Russia trip Oct. 1958</b>
Box 143, Folder 13	<b>Russian scientific exchange visits</b>
Box 143, Folder 14	<b>Russia trip, miscellaneous</b>
Box 143, Folder 15	<b>Philips Fund Program, Haverford College Nov. 5-7, 1958</b>
Box 143, Folder 16	<b>"Nucleogenesis by fusion reaction in stars," Austin, Texas Nov. 20, 1958</b>
Box 143, Folder 17	<b>"Origin of the nuclear species," Stanford University Jan. 14, 1959</b>
Box 143, Folder 18	<b>"The origin of the elements," General Atomic Corp., San Diego Mar. 6, 1959</b>
Box 143, Folder 19	<b>Talks at New Mexico State College Mar. 18-20, 1959</b>
Box 143, Folder 20	<b>"Nucleogenesis in stars," National Aeronautics and Space Administration [NASA] lectures Mar. 26-27, 1959</b>
Box 143, Folder 21	<b>"Caltech satellite program;" "Observations on scientific ... Central Asia;" "Origin of the elements;" "Stellar nucleosynthesis," Florida State University, Apr. 23-24, 1959</b>
Box 143, Folder 22	<b>"Age of the elements and of astrophysics systems," University of Colorado, Boulder Apr. 30, 1959</b>
Box 143, Folder 23	<b>"The origin of the elements," colloquium at Atomics International, Canoga Park, California May 6, 1959</b>

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Box 143, Folder 24	<b>"Nucleogenesis in stars," Brookhaven National Laboratory lectures June 9-12, 1959</b>
Box 143, Folder 25	<b>"Experimental and theoretical results on nuclear reactions in stars, II," Liège July 6, 1959</b>
Box 143, Folder 26	<b>"The origin of the elements," Air Force Academy talk, Colorado Springs Sept. 10, 1959 See also: Series XI, photos</b>
Box 143, Folder 27	<b>"Applications of neutron capture cross-section measurements in astrophysics," American Physical Society meeting, Los Alamos Scientific Laboratory Oct. 2, 1959</b>
Box 143, Folder 28	<b>"Origin of the nuclear species," colloquium at the Massachusetts Institute of Technology Nov. 5, 1959</b>
Box 143, Folder 29	<b>"The origin of the elements," Texas Symposium on Nuclear Fusion, University of Texas, Austin Nov. 20, 1959</b>
Box 143, Folder 30	<b>Talk given at dinner in honor of Earnest C. Watson Nov. 23, 1959</b>
Box 143, Folder 31	<b>"The origin of the elements," University of California, San Diego, School of Science and Engineering Feb. 22, 1960</b>
Box 143, Folder 32	<b>"Neutron processes in stars," Montana State University, Missoula Mar. 31, 1960</b>
Box 143, Folder 33	<b>"Neutron capture processes in red giants and supernovae," National Academy of Sciences Apr. 25, 1960</b>
Box 143, Folder 34	<b>"Reflections on: 'The immense design'," Caltech Women's Club May 4, 1960 See also: Series X, "The immense design" TV talk Mar. 26, 1960</b>
Box 143, Folder 35	<b>"Nuclear furnaces in the sky," Caltech Alumni seminar May 7, 1960</b>
Box 143, Folder 36	<b>"On the origin of nuclear species by means of nuclear reactions in stars," Cloudcroft Lectures June 22-24, 28, 30, 1960</b>
Box 143, Folder 37	<b>"Deuteronomy," physics seminar Jan. 12, 1961</b>
Box 143, Folder 38	<b>"Deuteronomy: the synthesis of deuterons and the light nuclei during the early history of the solar system," Richtmyer Memorial Lecture, the American Association of <i>Physics Teachers</i>, New York Feb. 2, 1961</b>
Box 143, Folder 39	<b>"The nuclear universe," talk at All Saints Church, Pasadena Mar. 2, 1961</b>
Box 143, Folder 40	<b>"Deuteronomy: the early history of the solar system" Case Institute of Technology Apr. 10, 1961</b>
Box 143, Folder 41	<b>Argonne National Laboratory Apr. 14, 1961</b>
Box 143, Folder 42	<b>"The origin of the elements," State University of Iowa May 1, 1961</b>
Box 144, Folder 1	<b>"Nucleosynthesis during the early history of the solar system," Oak Ridge National Laboratory May 2, 1961</b>
Box 144, Folder 2	<b>American Rocket Society talk, Gatlinburg, Tennessee May 3, 1961</b>
Box 144, Folder 3	<b>"Deuteronomy: the synthesis of deuterons and other nuclei during the early history of the solar system," University of Illinois, Urbana May 4, 1961</b>
Box 144, Folder 4	<b>Gordon Research Conference on Nuclear Chemistry, Colby Junior College June 26-30, 1961</b>
Box 144, Folder 5	<b>"Rutherford and nuclear cosmochronology," the Rutherford Jubilee International Conference, Manchester, England Sept. 6, 1961 See also: Series VII, 1965 manuscript</b>
Box 144, Folder 6	<b>"Nuclear interpretation of heavy element abundances in stars," Cambridge Observatory Club talk Nov. 13, 1961</b>
Box 144, Folder 7	<b>"Creation of the elements in stars," Cambridge Astrophysics Society Feb. 7, 1962</b>
Box 144, Folder 8	<b>"Neutrino emission by stars," Herstmonceux Castle, Sussex, England Apr. 17, 1962</b>
Box 144, Folder 9	<b>"Origin of nuclear species," Liège May 9, 11, 1962</b>
Box 144, Folder 10	<b>"Stellar structure and nuclear synthesis," Stanford SINS group seminar I, Jan. 4, 1963; "The stability of supermassive stars," Stanford SINS group seminar II, Jan. 11, 1963</b>

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Box 144, Folder 11	<b>"Nuclear clues to the early history of the solar system," Lockheed Research Laboratory, Palo Alto, California Jan. 31, 1963</b>
Box 144, Folder 12	<b>"Nuclear clues, etc.," Friday night demonstration lecture Mar. 8, 1963</b>
Box 144, Folder 13	<b>"Nature of strong radio sources," Stanford SINS group seminar Mar. 13, 1963</b>
Box 144, Folder 14	<b>"Nuclear cosmochronology;" "Lectures in cosmology," a series of lectures at the University of Washington Mar. 29 and Apr. 1, 3, 5, 8, 10, 1963</b>
Box 144, Folder 15	<b>"Neutrinos, massive stars and strong radio sources," American Physical Society Apr. 25, 1963</b>
Box 144, Folder 16	<b>Physicists meeting, NASA, Warrenton, Virginia June 20-21, 1963</b>
Box 144, Folder 16	<b>"Recent developments in nuclear clues to the early history of the solar system," Gordon Conference on the Chemistry and Physics of Space, Tilton, New Hampshire July 1-5, 1963</b>
Box 144, Folder 17	<b>"Nuclear processes in stars," Russell lecture, University of Alaska July 22, 1963 See also: Series XI, photos</b>
Box 144, Folder 18	<b>"Nuclear and neutrino processes in stars, supernovae and massive condensations," University of Colorado, Boulder Aug. 6-8, 13-15, 20-21, 1963</b>
Box 144, Folder 20	<b>National Science Foundation Colloquium series, Washington, D.C. Sept. 17, 1963</b>
Box 144, Folder 21	<b>Whittier University Club Sept. 19, 1963</b>
Box 144, Folder 22	<b>"The origin of the elements," National Academy of Sciences Centennial Oct. 21, 1963</b>
Box 144, Folder 23	<b>"Violent galactic events and massive condensation," Kitt Peak Observatory Oct. 25, 1963</b>
Box 144, Folder 24	<b>"Neutrino losses from massive stars," University of California, San Diego Nov. 27, 1963</b>
Box 144, Folder 25	<b>International Symposium on Gravitational Collapse and Other Topics in Relativistic Astrophysics, Dallas Dec. 18-20, 1963 See also: Series VII, 1963-1964 manuscript</b>
Box 144, Folder 26	<b>Gordon Research Conference 1963</b>
Box 144, Folder 27	<b>Holiday Science Lectures: "Origin of the elements;" Chicago Museum of Natural History, Dec. 26-27, 1963; University of Utah, Dec. 28-30, 1964; North Phoenix High School, Dec. 28-29, 1966; Emory University, Dec. 27-28, 1968 See also: Series I, American Association for the Advancement of Science</b>
Box 144, Folder 28	<b>"Nuclear clues to the early history of the solar system," Rockefeller Institute, New York Jan. 21, 1964</b>
Box 144, Folder 29	<b>"The origin of the elements," American Institute of Aeronautics and Astronautics, New York Jan. 22, 1964</b>
Box 144, Folder 30	<b>[Massive stars and strong radio sources,] Long Beach State University Feb. 13, 1964</b>
Box 144, Folder 31	<b>"Iron group E-process abundances," University of California, Los Angeles Mar. 26, 1964</b>
Box 144, Folder 32	<b>"Nuclear clues to the early history of the solar system," General Atomic, San Diego Apr. 2, 1964</b>
Box 144, Folder 33	<b>"Massive stars and strong radio sources" University of Texas, Austin, Apr. 7, 1964; Rice University, Apr. 10, 1964; University of Missouri, Apr. 18, 1964</b>
Box 144, Folder 34	<b>Annual General Meeting of the American Philosophical Society, Philadelphia, Apr. 24, 1964; the International Astronomical Union meeting, Hamburg, Aug. 27, 1964</b>
Box 144, Folder 35	<b>"The iron group elements and the equilibrium processes in nucleosynthesis," International Astronomical Union Symposium, University of Utrecht Aug. 14, 1964</b>
Box 144, Folder 36	<b>International Astronomical Union Symposium, University of Liège Aug. 17-20, 1964</b>
Box 144, Folder 37	<b>"Neutrino processes and pair formation in massive stars and supernovae," Padua Conference on Cosmology, Padua Sept. 14-16, 1964</b>

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Box 144, Folder 38	<b>"On the physical properties in the structure and evolution of galaxies," 13th Solvay Congress, Brussels Sept. 21-26, 1964</b>
Box 144, Folder 39	<b>"Massive stars and strong radio sources," Yeshiva University, Nov. 16, 1964; Columbia University, Nov. 18, 1964; US Naval Observatory, Nov. 20, 1964</b> <b>"Origin of the elements"</b>
Box 144, Folder 40	<b>Caltech Student Day talk, Dec. 5, 1964;</b>  <b>University of Utah, Dec. 28-30, 1964 See: Holiday Science Lectures Dec. 1963</b>
Box 145, Folder 1	<b>"Meteorites and the formation of the elements," Geophysics class Jan. 21, 1965</b>
Box 145, Folder 2	<b>"Nuclear furnaces in the sky;" "The exciting universe;" "Massive stars radio sources," Philips Lectures, Haverford College Apr. 19-21, 1965</b>
Box 145, Folder 3	<b>"The origin of the elements," Cooper Foundation Lecture, Swarthmore College Apr. 22, 1965</b>
Box 145, Folder 4	<b>"Nuclear processes and rotational stability in supermassive stars," National Academy of Sciences Apr. 28, 1965 See also: "The stability of supermassive stars" 1966</b>
Box 145, Folder 5	<b>Jayne Lectures, Franklin Institute, Philadelphia May 3-7, 1965 See also: Series V, American Philosophical Society</b>
Box 145, Folder 6	<b>US Navy talk, [Washington, DC?] May 26, 1965</b> <b>"High energy astrophysics," International School of Physics 'Enrico Fermi,' Varenna July 12-24, 1965</b>
Box 145, Folder 7	<b>School program and notes</b>
Box 145, Folder 8	<b>Lecture I: "Neutrino astrophysics," part I, July 7, 1965</b>
Box 145, Folder 9	<b>Lecture II: "Neutrino astrophysics," part II, July 16, 1965</b>
Box 145, Folder 10	<b>Lecture III: "Supermassive stars, ... radio sources," part I, July 21, 1965</b>
Box 145, Folder 11	<b>Lecture IV: "Supermassive stars, ... radio sources," part II, July 23, 1965</b>
Box 145, Folder 12	<b>"The origin of the elements," Australian Institute of Physics, Brisbane Aug. 1-5, 1965</b>
Box 145, Folder 13	<b>"Supermassive stars and radio sources," Commonwealth Scientific and Industrial Research Organization [CSIRO], Sydney Aug. 13, 1965</b>
Box 145, Folder 14	<b>"Nuclear processes in stars," the Australian National University, Canberra Sept. 7-9, 14-15, 1965</b>
Box 145, Folder 15	<b>"The origin of the elements," Beckman lecture, Caltech Oct. 11, 1965</b>  <b>"The stability of supermassive stars"</b>
Box 145, Folder 16	<b>Astrophysics seminar Nov. 17, 1965</b>
Box 145, Folder 17	<b>American Physical Society meeting, University of California, Los Angeles Dec. 20, 1965</b>
Box 145, Folder 18	<b>"Synthesis of the light elements during the early history of the solar system;" "The age of the elements," New Mexico Institute of Mining and Technology Feb. 17-19, 1966</b>
Box 145, Folder 19	<b>"Nuclear astrophysics and geophysics," series of lectures at the Massachusetts Institute of Technology March-June 1966</b>
Box 145, Folder 20	<b>"The universe and the origin of matter," University of Miami, Florida Sept. 28, 1966</b>
Box 145, Folder 21	<b>"Origin of the elements," North Phoenix High School Dec. 28-29, 1966 See also: Series XI, photos</b>
Box 145, Folder 22	<b>"The origin of the elements," Los Angeles Academy of Medicine Jan. 12, 1967</b>
Box 145, Folder 23	<b>4th Symposium on Relativistic Astrophysics, New York Jan. 26, 1967</b>  <b>"Nucleosynthesis in big and little bangs"</b>
Box 145, Folder 24	<b>American Physical Society, New York Jan. 30-Feb. 2, 1967</b>
Box 145, Folder 25	<b>Weizmann Institute of Science, Israel Mar. 2, 1967</b>

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Box 145, Folder 26	<b>"Quasars and gravitational redshifts," Northwestern University Apr. 17, 1967</b>
Box 145, Folder 27	<b>"The origin of the elements," University of California Medical Center, Los Angeles Apr. 25, 1967 See also: Michigan State Apr. 18, 1968</b>
Box 146, Folder 1	<b>"The empirical foundations of nucleosynthesis," Symposium on the Abundances of the Elements, Paris May 8-10, 1967</b>
Box 146, Folder 2	<b>"The formation of Li7 in the big bang," International Astronomical Union meeting, Prague Aug. 21-31, 1967</b>
Box 146, Folder 3	<b>"Quasars and gravitational redshifts" University of Rochester Oct. 5, 1967</b>
Box 146, Folder 4	<b>Sigma Xi talk, Harvard University Oct. 9, 1967</b>
Box 146, Folder 5	<b>"Nucleosynthesis in big and little bangs" Ohio State University Oct. 21, 1967</b>
Box 146, Folder 6	<b>National Academy of Sciences meeting, Ann Arbor, Michigan Oct. 23, 1967</b>
Box 146, Folder 7	<b>California Western University Nov. 9, 1967</b>
Box 146, Folder 8	<b>"The origin of the elements," Holiday Science Lectures, Emory University Dec. 27-28, 1967</b>
Box 146, Folder 9	<b>"Quasars and gravitational redshifts," McDonnell Douglas Advanced Research Labs, Huntington Beach, California Jan. 16, 1968</b>
Box 146, Folder 10	<b>"Atomic furnaces in the sky," Delphian Society, Los Angeles Jan. 19, 1968</b>
Box 146, Folder 11	<b>"Quasars and gravitational redshifts," SINS talk, Stanford University Feb. 23, 1968</b>
Box 146, Folder 12	<b>"Neutron data needed in the interpretation of astrophysical phenomena," Conference on Neutron Cross Sections and Technology, Washington, D.C. Mar. 4, 1968</b>
Box 146, Folder 13	<b>"Quasars and gravitational redshifts" Northwestern University and Michigan State University, Illinois Apr. 16-19, 1968</b>
Box 146, Folder 14	<b>Camvendish Laboratory, Cambridge University, June 4, 1968; Herstmonceux Castle, Sussex, England, June 6, 1968</b>
Box 146, Folder 15	<b>"New look at an old problem: origin of the elements," University of California, San Diego Oct. 7, 1968</b>
Box 146, Folder 16	<b>"Nucleosynthesis;" "Solar neutrinos," TATA Institute of Fundamental Research, Bombay Nov. 11-16, 1968 See also: Series XI, photos</b>
Box 146, Folder 17	<b>"Origin of the elements," Emory University Dec. 27-28, 1968 See: Series VII, Holiday Science Lectures Dec. 1963</b>
Box 146, Folder 18	<b>"The excited universe," Time-Life talks, Jan. and Nov. 1968; Feb. 1969</b>
Box 146, Folder 19	<b>"The public and the welfare of science" 1969</b>
Box 146, Folder 20	<b>Toast to Lee and Doris DuBridge, the Athenaeum, Caltech Jan. 12, 1969</b>
Box 146, Folder 21	<b>"New light on an old subject: the origin of the elements," Goddard Space Flight Center Feb. 14, 1969</b>
Box 146, Folder 22	<b>"Quasars and gravitational redshifts," Princeton University Mar. 18, 1969</b>
Box 146, Folder 23	<b>Sigma Xi talk, Princeton University Mar. 20, 1969</b>
Box 146, Folder 24	<b>"Quasars and gravitational redshifts," Goethe Link Observatory, Indiana University May 13, 1969</b>
Box 146, Folder 25	<b>Erice School lectures, Palermo May 19-23, 1969</b>
Box 146, Folder 26	<b>"Short-lived radioactivities and nucleosynthesis chronology," Cambridge University July 25, 1969</b>
Box 146, Folder 27	<b>"Chronology of galactic nucleosynthesis," Stanford University, Oct. 22, 1969; American Physical Society meeting, University of Colorado, Boulder, Oct. 31, 1969</b>
Box 146, Folder 27	<b>"The nuclear chronology of the galaxy," Washington Philosophical Society Nov. 21, 1969</b>

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Box 146, Folder 28	<b>"Quasars as rotating supermassive stars," Vatican Semaine d'Etude on Nuclei of Galaxies, Rome Apr. 15, 1970</b>
Box 146, Folder 29	<b>"Facts and fancies about 'big bang' helium and microwave radiation" Netherlands Foundation for Radio Astronomy, Groningen Apr. 22, 1970</b>
Box 146, Folder 30	<b>Accademia dei Lincei, Cortona June 12, 1970</b>
Box 146, Folder 31	<b>"Pulsar model for quasars," International Astrophysical Union [IAU] Symposium; "The crab nebula," Jodrell Bank, England Aug. 5-7, 1979</b>
Box 146, Folder 32	<b>"Origin of the elements," British Association for the Advancement of Science, Durham, England Sept. 7, 1970</b>
Box 146, Folder 33	<b>"Neutrino astrophysics," Niels Bohr Institute, Copenhagen Sept. 16, 1970</b>
Box 146, Folder 34	<b>"Pulsar model for quasars," University of Texas, Austin Oct. 14, 1970</b>
Box 146, Folder 35	<b>Bonner Prize talk, American Physical Society meeting, Houston Oct. 16, 1970</b>
Box 146, Folder 36	<b>"How hot is the sun?" Research Directors' Conference, Caltech, Feb. 9, 1971; "Nuclear astrophysics," Scott Lectures, Cavendish Laboratory, Cambridge University, June 1971</b>
Box 146, Folder 37	<b>"What cooks in the sun?" June 2, 1971</b>
Box 146, Folder 38	<b>"How old are the elements, the moon, the solar system, the galaxy?" June 4, 1971</b>
Box 146, Folder 39	<b>"How are the superheavy elements produced?" June 9, 1971</b>
Box 146, Folder 40	<b>"Prospects in nuclear and high energy astrophysics," Brookhaven National Laboratory 25th Anniversary Oct. 14, 1971</b>
Box 146, Folder 41	<b>"Nucleosynthesis of the superheavy elements," Argonne National Laboratory Oct. 20, 1971</b>
Box 146, Folder 42	<b>"Prospects in nuclear and high energy astrophysics," Kellogg Laboratory seminar Oct. 29, 1971</b>
Box 146, Folder 43	<b>"Nuclear astrophysics," talk to physics division visiting committee Nov. 29, 1971</b>
Box 146, Folder 44	<b>"Prospects in nuclear and high energy astrophysics" Goddard Space Flight Center Jan. 19, 1972</b>
Box 146, Folder 45	<b>University of California, San Diego Feb. 16, 1972</b>
Box 146, Folder 46	<b>Solar neutrinos, status and prospects, University of California, Irvine Feb. 25-26, 1972</b>
Box 146, Folder 47	<b>"Cosmological nucleosynthesis," American Astronomical Society [AAS] meeting, Caltech Oct. 24, 1972</b>
Box 146, Folder 48	<b>"The age of the elements and the universe," J. T. Donald Distinguished Lecture Series in Chemistry, McGill University Nov. 14, 1972</b>
Box 146, Folder 49	<b>"The age of the elements, the galaxy and the universe," Goddard Space Flight Center Mar. 16, 1973</b>
Box 146, Folder 50	<b>"Experimental nuclear reaction rates," University of Texas, Austin Apr. 3, 1973</b>
Box 146, Folder 51	<b>"The age of the elements, the galaxy and the universe" Ohio State University Apr. 17, 1973</b>
Box 146, Folder 52	<b>University of Washington May 10, 1973</b>
Box 146, Folder 53	<b>"The case of the missing solar neutrinos," American Astrophysical Society meeting, Columbus, Ohio June 26, 1973</b>
Box 146, Folder 54	<b>"The age of the elements, the galaxy and the universe," Institute of Astrophysics, Liège Sept. 18, 1973</b>

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Box 147, Folder 1	<b>"Explosive nucleosynthesis, the violent birth of the chemical elements," Beckman Monday Night Lecture [The Earnest C. Watson Lecture Series], Caltech Oct. 15, 1973</b>
Box 147, Folder 2	<b>"Nuclear problems in explosive nucleosynthesis," Kellogg Laboratory talk Nov. 2, 1973</b>
Box 147, Folder 3	<b>"High temperature nuclear physics," George Darwin Lecture, The Royal Astronomical Society, London Dec. 14, 1973</b>
Box 147, Folder 4	<b>"The case of the missing solar neutrinos" 1973-1974</b>
Box 147, Folder 5	<b>"Nuclear problems in high temperature astrophysics," American Physical Society meeting, Chicago Feb. 7, 1974</b>
Box 147, Folder 6	<b>Response at the National Science Board banquet, Washington, D.C. Mar. 21, 1974</b>
Box 147, Folder 7	<b>"Solar abundances: the nuclear astrophysicist's viewpoint," 3rd Solar Wind Conference, Asilomar, California Mar. 25, 1974</b>
Box 147, Folder 8	<b>"Measurements on nuclear reactions in synthesis of the elements;" "The case of the missing neutrinos," Brode Lectures, Whitman College Apr. 15-16, 1974</b>
Box 147, Folder 9	<b>"Ti and helium burning in stars," American Physical Society meeting, Washington, D.C., Apr. 25, 1974</b>
Box 147, Folder 10	<b>Lauritsen Library dedication Nov. 22, 1974 See also: Series XI, photos</b>
Box 147, Folder 11	<b>Introduction of Sir Fred Hoyle, the Athenaeum, Caltech Feb. 17, 26, 1975</b>
Box 147, Folder 12	<b>"The case of the missing solar neutrinos," University of California, Los Angeles Mar. 13, 1975</b>
Box 147, Folder 13	<b>Talk on supernovae Mar. 21, 1975</b>
Box 147, Folder 14	<b>"The age of the elements, the galaxy and the universe," William Pyle Philips Lecture, Haverford College Mar. 28, 1975</b>
Box 147, Folder 15	<b>"Experimental foundations of nuclear astrophysics," University of Chicago, Apr. 2, 1975; University of Illinois, Apr. 3, 1975</b>
Box 147, Folder 16	<b>"The exciting story of excited stars in explosive nucleosynthesis," Leigh Page Lecture, Yale University Apr. 11, 1975</b>
Box 147, Folder 17	<b>"A foundation for research," National Academy of Sciences Symposium commemorating the 25th anniversary of the National Science Foundation Apr. 21, 1975</b>
Box 147, Folder 18	<b>American Philosophical Society meeting, Washington, D.C. Apr. 29-30, 1975</b>
Box 147, Folder 19	<b>Symposium of High Energy Astrophysics, Dijon July, 2, 1975</b>
Box 147, Folder 20	<b>"The frontiers of astronomy in 1975," Symposium in honor Fred Hoyle's 60th birthday, Venice July 15-19, 1975</b> <b>Correspondence Feb. 1974-Feb. 1975</b>
Box 147, Folder 21	<b>Correspondence Mar.-Nov. 1975 See also: Series XI, photos</b>
Box 147, Folder 22	<b>RGO Symposium, Herstmonceux Castle, Sussex, England July 23, 1975</b>
Box 147, Folder 23	<b>14th International Cosmic Rays Conference, Munich Aug. 20, 1975 See also: Series XI, photos</b>
Box 147, Folder 24	<b>American Institute of Physics Assembly meeting, Washington D.C. Oct. 2, 1975</b>
Box 147, Folder 25	<b>"Recent solar neutrino results," <i>Astrophysics Journal</i> Club Jan. 20, 1976</b>
Box 147, Folder 26	<b>"Experimental nuclear astrophysics"</b> <b>Arizona State University Jan. 29, 1976</b> <b>University of Hawaii, Manoa Feb. 17, 1976</b>
Box 147, Folder 27	<b>"The solar neutrino puzzle," Tobias Wagner Lecture, University of Pennsylvania Apr. 2, 1976</b>

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Box 147, Folder 28	<b>"The formation of the chemical elements in supernovae explosions," University of Pennsylvania Apr. 6, 1976</b>
Box 148, Folder 1	<b>"Nuclear physics and the cosmos," dedication of the Indiana University Cyclotron Facility, Bloomington Apr. 23, 1976</b>
Box 148, Folder 2	<b>American Physical Society Spring meeting, Washington, D.C. Apr. 24-29, 1976 See also: Series XI, photos</b>
Box 148, Folder 3	<b>"The search for the solar neutrinos," Minnesota May 12, 1976</b>
Box 148, Folder 4	<b>Testimonial to Carl David Anderson, the Athenaeum, Caltech May 23, 1976 See also: Caltech talk Feb. 25, 1991</b>
Box 148, Folder 5	<b>National Academy of Science Symposium in honor Dr. Herbert Friedman, Washington, D.C. May 24, 1976</b>
Box 148, Folder 6	<b>Workshop on Isotopic Abundance Anomalies, Wales Aug. 10-13, 1976</b>
Box 148, Folder 7	<b>15th General Assembly meeting of the International Astrophysics Union (IAU), Grenoble Aug. 24-Sept. 2, 1976</b>
Box 148, Folder 8	<b>"Age of the chemical elements, the galaxy and the universe," University of Florida, Gainesville Oct. 6, 1976</b>
Box 148, Folder 9	<b>"Age of the chemical elements, the galaxy and the universe," Bell Laboratories, New Jersey Oct. 15, 1976</b>
Box 148, Folder 10	<b>"Experiment and theory relevant to experimental nucleosynthesis," North Texas State University Oct. 25, 1976</b>
Box 148, Folder 11	<b>Office of Naval research 30th birthday symposium, Washington, D.C. Oct. 27-28, 1976</b>
Box 148, Folder 12	<b>Session on "Frontiers of physics," American Institute of Physics [AIP] Cooperative Associates Assembly, General Motors Research Lab Nov. 9, 1976</b>
Box 148, Folder 13	<b>"Isotopic anomalies and proton irradiation in the early solar system," <i>Astrophysics Journal Club</i> Nov. 23, 1976</b>
Box 148, Folder 14	<b>American Physical Society general meeting, Jesse DuMond memorial services, Stanford University Dec. 20, 1976</b>
Box 148, Folder 15	<b>"The solar neutrino problem," AAS-APS Joint Symposium, Tucson, Arizona Jan. 14, 1977</b>
Box 148, Folder 16	<b>American Physical Society meeting, Chicago Feb. 7-10, 1977 Presidential Address Feb. 8, 1977 See: Series V, American Physical Society</b>
Box 148, Folder 17	<b>"The age of the chemical elements, the galaxy and the universe," W.V. Houston Memorial Lecture, Rice University Mar. 8, 1977</b>
Box 148, Folder 18	<b>"The solar neutrino problem," Rice University Mar. 9, 1977</b>
Box 148, Folder 19	<b>"Nuclear physics and cosmochronology," Symposium in honor of Robert Serber, Columbia University Apr. 29, 1977</b>
Box 148, Folder 20	<b>Symposium on the History of Nuclear Physics, University of Minnesota, Minneapolis May 19, 1977</b>
Box 148, Folder 21	<b>"Nuclear reactions and nucleosynthesis," University of California, Santa Cruz June 30, 1977</b>
Box 148, Folder 22	<b>Summer workshop in astrophysics, University of California, Santa Cruz July 1977</b>
Box 148, Folder 23	<b>"The age of the chemical elements, the galaxy and the universe," Lawrence Livermore Laboratory Oct. 7, 1977</b>
Box 148, Folder 24	<b>"The solar neutrino problem," Fermi Laboratory, Batavia, Illinois Oct. 21, 1977</b>
Box 148, Folder 25	<b>"Nuclear cosmochronology," the Robert A. Welch Foundation Conference on Chemical Research, Houston Nov. 7-9, 1977</b>
Box 148, Folder 26	<b>"Experiment and theory relevant to experimental nucleosynthesis ... in supernovae," University of Virginia Nov. 11, 1977</b>
Box 148, Folder 27	<b>"The solar neutrino problem," Los Alamos Scientific Laboratory Nov. 14, 1977</b>
Box 148, Folder 28	<b>"The age of the chemical elements, the galaxy and the universe," Williams College Nov. 17, 1977</b>
Box 148, Folder 29	<b>"The solar neutrino problem," Goddard Space Flight Center Nov. 18, 1977</b>

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Box 148, Folder 30	<b>"Experiment and theory relevant to experimental nucleosynthesis ... in supernovae," Princeton University Dec. 15, 1977</b>
Box 148, Folder 31	<b>"Roundtable discussion of future solar neutrino program," Informal Conference on Status and Future of Solar Neutrino Research, Brookhaven National Laboratory Jan. 7, 1978</b>
Box 148, Folder 32	<b>"Threads of time, personal and cosmic," Leonard I. Schiff Memorial Lecture, Stanford University Jan. 31, 1978</b>
Box 148, Folder 33	<b>Solar neutrinos. Conference at Stanford University Feb. 1, 1978</b>
Box 148, Folder 34	<b>"The age of the chemical elements, the galaxy and the universe," University of California, Irvine Mar. 17, 1978</b>
Box 149, Folder 1	<b>"The case of the missing solar neutrinos," the Earnest C. Watson Caltech Lecture Series Mar. 29, 1978</b>
Box 149, Folder 2	<b>"Recent developments in solar neutrino puzzle," Physics colloquium, Caltech Mar. 30, 1978</b>
Box 149, Folder 3	<b>"The age of the chemical elements, the galaxy and the universe," Columbia University, Apr. 11, 1978; New York Academy of Science, Apr. 21, 1978; University of Notre Dame Oct. 19-21, 1978</b>
Box 149, Folder 4	<b>"The age of the universe, the galaxy, and the chemical elements," American Academy of Arts and Sciences, Boston Apr. 12, 1978</b>
Box 149, Folder 5	<b>"R. F. Christy retirement as acting President of Caltech," the Athenaeum, Caltech May 24, 1978</b>
Box 149, Folder 6	<b>"The solar neutrino puzzle," Boulder, Colorado June 11-12, 1978</b>
Box 149, Folder 7	<b>22nd International Astrophysics Symposium, Liège June 16-23, 1978</b>
Box 149, Folder 8	<b>4th General Conference on Trends of Physics, University of York Sept. 27-29, 1978</b>
Box 149, Folder 9	<b>"Experiment and theory relevant to nucleosynthesis in supernovae," Institute of Astrophysics, Paris, Oct. 1-7, 1978; Berkeley, Oct. 25-26, 1978</b>
Box 149, Folder 10	<b>"Introduction to Fred Hoyle's lecture," The L.S.B. Foundation Lecture Nov. 14, 1978</b>
Box 149, Folder 11	<b>"The origin of the elements," UCLA Extension Series, Los Angeles Jan. 23, 1979</b>
Box 149, Folder 12	<b>Solar neutrino press conference-APS/AIP, New York, Jan. 31, 1979</b>
Box 149, Folder 13	<b>"The age of the chemical elements, the galaxy and the universe," Indiana University, Feb. 6-7, 1979; Los Alamos Scientific Laboratory, Feb. 23, 1979</b>
Box 149, Folder 14	<b>"Experiment and theory relevant to nucleosynthesis in supernovae," Virginia Physics Institute Apr. 17, 1979</b>
Box 149, Folder 15	<b>"Experimental nuclear physics in astrophysics," American Physical Society meeting, Washington, D.C. Apr. 23, 1979</b>
Box 149, Folder 16	<b>"Experimental and theoretical nuclear physics relevant to nucleosynthesis in supernovae," Forty Years of Stellar Energy Theory Conference May 3, 1979</b>
Box 149, Folder 17	<b>"Experiment and theory relevant to nucleosynthesis in supernovae," Arizona State University Oct. 25, 1979</b>
Box 149, Folder 18	<b>Introduction of Hans Bethe, Physics colloquium, Caltech Jan. 24, 1980</b>
Box 149, Folder 19	<b>"The equilibrium of isomeric states and the synthesis of <math>^{26}\text{Al}</math>," Kellogg Laboratory seminar Feb. 1, 1980</b>
Box 149, Folder 20	<b>"Nuclear astrophysics," Physics 242 seminar, Caltech Feb. 15, 1980</b>
Box 149, Folder 21	<b>"The age of the universe, the galaxy, and the chemical elements," Thomas Condon Lectures, Oregon State University, Apr. 8, 1980; University of Oregon, Apr. 9, 1980</b>
Box 149, Folder 22	<b>"The origin of the elements," National Air and Space Museum, Washington, D.C. May 14, 1980</b>
Box 149, Folder 23	<b>"The age of the universe," Alpheus W. Smith Lecture, Ohio State University May 21, 1980</b>
Box 149, Folder 24	<b>Santa Cruz Summer Workshop, University of California, Santa Cruz July 15-17, 1980 See also: Series XI, photos "Nucleosynthesis in supernovae"</b>

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Box 149, Folder 25	<b>International Conference on Nuclear Physics, Berkeley Aug. 26, 1980</b>
Box 149, Folder 26	<b>University of Delaware Oct. 8, 1980</b>
Box 149, Folder 27	<b>Thomas Gould's 60th birthday celebration, Cornell University Oct. 10, 1980</b>
Box 149, Folder 28	<b>Phi Beta Kappa Visiting Scholar talks, Oct. 1980; Feb.-Mar. 1981</b>
Box 149, Folder 29	<b>"Nucleosynthesis in supernovae," Fermi Laboratory Nov. 5, 1980</b>
Box 149, Folder 30	<b>"Stellar evolution," Kellogg Laboratory seminar Nov. 21, 1980</b>
Box 149, Folder 31	<b>"Nucleosynthesis in supernovae," Los Alamos Scientific Laboratory Jan. 15, 1981</b>
Box 150, Folder 1	<b>"Solar neutrinos," University of Hawaii, Honolulu Feb. 19-20, 1981 See also: Phi Beta Kappa lectures 1980-1981; See also: Series XI, photos</b>
Box 150, Folder 2	<b>"The age of the universe, the galaxy, and the chemical elements," Washington State University, Pullman Mar. 26, 1981</b>
Box 150, Folder 3	<b>"Strong and weak interactions in nuclear astrophysics," US-Germany Workshop on Radioactive Ion Beams, Ohio Aug. 31, 1981</b>
Box 150, Folder 4	<b>"Ca-Ti-Cr anomalies in an Allende inclusion and the n<math>\beta</math>-process," U.S.-Germany Workshop on Radioactive Ion Beams, Ohio Sept. 2, 1981</b>
Box 150, Folder 5	<b>"The solar neutrino problem," University of Florida, Miami Sept. 30, 1981</b>
Box 150, Folder 6	<b>"How are the meteorite anomalies discovered in the Caltech lunatic asylum produced in supernovae?" Caltech Y Luncheon Forum Oct. 21, 1981</b>
Box 150, Folder 7	<b>"Ca-Ti-Cr anomalies in an Allende inclusion (EK-1-4-1) and the n<math>\beta</math>-process," Kellogg seminar Oct. 30, 1981</b>
Box 150, Folder 8	<b>"Phifty years of phun and physics in the W. K. Kellogg Radiation Laboratory at Caltech," American Physical Society meeting, San Francisco Jan. 25, 1982 See also: Series XI, photos</b>
Box 150, Folder 9	<b>"The age of the universe," Will C. Shaw Memorial Lecture, Southern Illinois University at Edwardsville Mar. 1, 1982</b>
Box 150, Folder 10	<b>"Age of the universe," Denison University Apr. 14, 1982 See also: Series XI, photos</b>
Box 150, Folder 11	<b>Francis G. Slack Lectures, Vanderbilt University Apr. 19-21, 1982</b> <b>"The age of the universe, the galaxy and the chemical elements" Apr. 19, 1982</b>
Box 150, Folder 12	<b>"Nucleosynthesis in supernovae" Apr. 20, 1982</b>
Box 150, Folder 13	<b>"Element building in stars" Apr. 21, 1982</b>
Box 150, Folder 14	<b>"The age of the chemical elements and the universe," University of Georgia Apr. 23, 1982</b>
Box 150, Folder 15	<b>"The role of the neutrons in nucleosynthesis in supernovae," Conference on the Neutron and its Applications, Cambridge University Sept. 16, 1982</b>
Box 150, Folder 16	<b>"Nucleosynthesis in supernovae and meteorite isotopic anomalies observed in the lunatic asylum at Caltech," Caltech Astronomy Department Seminar, Dec. 8, 1982; Los Alamos National Laboratory seminar, Jan. 4, 1983</b>
Box 150, Folder 17	<b>"Astrophysical thermonuclear reactions rates: ways to determine and <i>the way to publish</i>," American Physical Society meeting in honor of Kay Way Apr. 20, 1983</b>
Box 150, Folder 18	<b>"Recent papers on the Re/Os cosmochronology," Kellogg Journal Club, Caltech May 24, 1983</b>
Box 150, Folder 19	<b>Conference notes, Aspen, Colorado June 1983</b>
Box 150, Folder 20	<b>"Back to square one in nuclear reaction rates," Yerkes Observatory Oct. 19, 1983 See also: Series XI, photos</b>
Box 150, Folder 21	<b>Jan Rasmussen memorial service, Altadena, California Oct. 27, 1983</b>

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Box 150, Folder 22	<b>"Informal report on the nucleosynthesis workshop held at Yerkes Observatory," Kellogg talk Nov. 4, 1983 Nobel Prize Lectures December 1983 See: Series X, Nobel Prize materials</b>
Box 150, Folder 23	<b>"The case of the missing solar neutrino," Uppsala, Dec. 13, 1983; Lund, Sweden, Dec. 15, 1983</b>
Box 150, Folder 24	<b>"The queen and I," Caltech Trustees talk, Jan. 15, 1984; ARCS Ball, Feb 18, 1984</b>
Box 150, Folder 25	<b>Pasadena City Board of Directors Commendation Jan. 31, 1984 See also: Series XII, commendation certificate</b>
Box 150, Folder 26	<b>"The queen and I," Caltech Associates talk, the Athenaeum, Caltech Feb. 13, 1984</b>
Box 150, Folder 27	<b>Colgate University Lecture Series Feb. 22-24, 1984</b>
Box 150, Folder 28	<b>"The quest for the origin of the elements: Nobel Lecture in physics, 1983," Jet Propulsion Laboratory, 2nd Annual Family Day lecture Mar. 31, 1984</b>
Box 150, Folder 29	<b>Hewlett-Mellon Distinguished Visiting Lecturer in Physics, Middlebury College Mar. 13-15, 1984</b>
Box 150, Folder 30	<b>"The queen and I," Mount Wilson Observatory Association, Pasadena Mar. 22, 1984</b>
Box 150, Folder 31	<b>Santa Monica College talk Mar. 29, 1984</b>
Box 150, Folder 32	<b>Nobel awards dinner, presentation of Albert A. Michelson Award, Museum of Science and Industry, Chicago Apr. 2, 1984</b>
Box 150, Folder 33	<b>"The quest for the origin of the elements," University of Kansas Apr. 3-4, 1984</b>
Box 150, Folder 34	<b>Youngstown State University Lecture Series Apr. 12-13, 1984</b>
Box 150, Folder 35	<b>"Experimental and theoretical nuclear astrophysics," American Physical Society meeting, Washington D.C. Apr. 24, 1984</b>
Box 150, Folder 36	<b>"The quest for the origin of the elements," George Abell Memorial Lecture, Sigma Xi Chapter, University of California, Los Angeles May 3, 1984</b>
Box 150, Folder 37	<b>"The excitement of science," Benjamin Banneker High School, Washington, D.C. May 9, 1984 See also: Series XI, photos "The quest for the origin of the elements: Nobel Lecture in Physics, 1983" National Science Foundation Science Week, Washington, D.C. May 10, 1984 See also: Series XI, photos 47th Caltech Alumni seminar May 19, 1984 [Not given]</b>
Box 150, Folder 38	
Box 150, Folder 39	
Box 150, Folder 40	<b>American Astronomical Society, Baltimore, Maryland June 13, 1984</b>
Box 150, Folder 41	<b>Gordon Research Conference, Tilton, New Hampshire July 12, 1984</b>
Box 151, Folder 1	<b>"Back to square one in nuclear reaction rates," Yerkes Conference May 1984</b>
Box 151, Folder 2	<b>"The quest for the origin of the elements," Hughes Aircraft Corp. Aug. 17, 1984</b>
Box 151, Folder 3	<b>After dinner remarks, conference on solar neutrinos and neutrino astronomy, Lead, South Dakota Aug. 24, 1984 "The quest for the origin of the elements: Nobel Lecture in Physics, 1983" Bay Area Caltech Alumni Association, San Francisco Sept. 8, 1984 Crane Lecture, University of Michigan Sept. 26, 1984 "What would nuclear astrophysics be without Ed Salpeter?" Symposium in honor of Edwin E. Salpeter, Cornell University Oct. 1, 1984 See also: Series VII, 1986 manuscript Pew Lecture, Grove City College Oct. 4, 1984 Jesse L. Greenstein Symposium on Low Luminosity Stars," Caltech Oct. 15-16, 1984 "The case of the missing solar neutrinos," Arizona State University Nov. 1, 1984 "The quest for the origin of the elements"</b>
Box 151, Folder 4	
Box 151, Folder 5	
Box 151, Folder 6	
Box 151, Folder 7	
Box 151, Folder 8	
Box 151, Folder 9	

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Box 151, Folder 10	<b>Abigail and John Van Vleck Lecture, Minneapolis Nov. 7, 1984</b>
Box 151, Folder 11	<b>American Association of <i>Physics Teachers</i>, Southern California section meeting, Caltech Nov. 10, 1984</b>
Box 151, Folder 12	<b>"Ad astra per accelerators," North Texas University Nov. 12, 1984</b>
Box 151, Folder 13	<b>Kellogg Astronomical Journal Club Nov. 21, 1984</b>
Box 151, Folder 14	<b>Boris Jacobsohn Memorial Lecture, University of Washington Nov. 26, 1984</b>
Box 151, Folder 15	<b>"The quest for the origin of the elements," Concordia College Nov. 28, 1984</b>
Box 151, Folder 16	<b>Herman Feshbach Lectures, Massachusetts Institute of Technology Dec. 3, 5-6, 1984</b>
Box 151, Folder 17	<b>"The quest for the origin of the elements," Vancouver Institute Feb. 9, 1985</b>
Box 151, Folder 18	<b>"The age of the observable universe in the inflationary cosmology," Symposium in honor of A. G. Cameron's 60th birthday, University of Colorado, Boulder Mar. 25-27, 1985 See also: Series VII, 1985 manuscript</b>
Box 151, Folder 19	<b>"How old is the universe?" Arizona State University Apr. 3, 1985</b>
Box 151, Folder 20	<b>6th Annual Distinguished Lecture series, University of Alberta Apr. 9-11, 1985</b>
Box 151, Folder 21	<b>"The quest for the origin of the elements," University of New Orleans Apr. 23, 1985</b>
Box 151, Folder 22	<b>Memphis State University Nobel Laureates Lectures Apr. 25-26, 1985</b>
Box 151, Folder 23	<b>"The quest for the origin of the elements" Patton L. Seifert Memorial Lecture, Montana State University, Bozeman May 6, 1985</b>
Box 151, Folder 24	<b>48th Caltech Alumni seminar May 18, 1985</b>
Box 151, Folder 25	<b>Ohio State University May 23, 1985 See also: Series X, Sullivant Medal 1985</b>
Box 151, Folder 26	<b>"Introduction to the frontiers of the natural science," American Association for the Advancement of Science [AAAS] meeting, Los Angeles May 29, 1985</b>
Box 151, Folder 27	<b>"The quest for the origin of the elements: Nobel Lecture in physics, 1983," Caltech Associates of Orange County, Santa Ana June 5, 1985</b>
Box 151, Folder 28	<b>Acceptance response: Teke Alumnus of the Year Award, Orlando, Florida Aug. 18, 1985 See also: Series X, Fraternities</b>
Box 151, Folder 29	<b>Symposium on the origin of life, Norman H. Horowitz's 70th birthday festschrift, University of California, Santa Cruz Oct. 15, 1985</b>
Box 151, Folder 30	<b>"The quest for the origin of the elements," Sigma Xi, Rockwell International Chapter, Calabasas, California Oct. 24, 1985</b>
Box 151, Folder 31	<b>"Retirement talk for Joseph A. Burton," American Physical Society meeting, San Diego Nov. 2, 1985 See also: Series XI, Photos</b>
Box 151, Folder 32	<b>"The quest for the origin of the elements" IBM Physical Sciences Colloquium Series, New York Nov. 12, 1985</b>
Box 151, Folder 33	<b>University of Toronto Nov. 13, 1986</b>
Box 151, Folder 34	<b>"Nuclear astrophysics &amp; elementary particle cosmology," Aspen Winter Physics Conference, Colorado Jan. 6-11, 1986</b>
Box 151, Folder 35	<b>"The age of the observable universe in the inflationary model," Washington University, St. Louis Feb. 5, 1986</b>
Box 151, Folder 36	<b>"How old is the observable universe? a biased answer!" George Gamow Memorial Lecture, University of Colorado, Boulder Mar. 4, 1986</b>

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Box 151, Folder 37	<b>"The quest for the origin of the elements," Sonoma University Mar. 31, 1986</b>
Box 151, Folder 38	<b>Kellogg Journal Club Apr. 3, 1986</b>
Box 151, Folder 39	<b>Award response, Ohio Section of the American Physical Society, Chillicothe Apr. 11, 1986 See also: Series X, William A. Fowler Award 1986</b>
Box 151, Folder 40	<b>"How old is the universe?" Northwestern University Apr. 14, 1986</b>
Box 151, Folder 41	<b>"The quest for the origin of the elements;" "How old is the universe?" Old Dominion University Apr. 22-23, 1986</b>
Box 151, Folder 42	<b>Robert Christy retirement talk, the Athenaeum May 15, 1986</b>
Box 151, Folder 43	<b>"The quest for the origin of the elements," Wright State University May 21, 1986</b>
Box 151, Folder 44	<b>"How old is the observable universe?" Oppenheimer Memorial Lecture, Los Alamos Aug. 18, 1986</b>
Box 152, Folder 1	<b>"The quest for the origin of the elements," "How old is the universe?" Wright Science Colloquia <i>Man and his Universe</i>, Geneva Sept. 17, 1986</b>
Box 152, Folder 2	<b>"The quest for the origin of the elements in the universe;" "How old is the observable universe? a biased answer!" Anna I. McPherson Lectures in Physics, McGill University Oct. 9-10, 1986</b>
Box 152, Folder 3	<b>"Highlights of the Nobel Prize ceremony," Caltech Associates of San Diego, La Jolla Oct. 26, 1986</b>
Box 152, Folder 4	<b>"The age of the observable universe," Edward Arthur Milne Lecture, Oxford University Nov. 13, 1986 See also: Series VII, 1986 manuscript</b>
Box 152, Folder 5	<b>"Gerald J. Wasserburg Crafoord Prize celebration talk," the Athenaeum, Caltech Nov. 20, 1986</b>
Box 152, Folder 6	<b>"How old is the age of the observable universe in the inflationary model," seminar version Nov. 26, 1986</b>
Box 152, Folder 7	<b>"The quest for the origin of the elements," Ohio Northern University Dec. 10, 1986</b>
Box 152, Folder 8	<b>"The quest for the origin of the elements," UCLA Extension, Feb. 5, 1987; Louisiana State University, Feb. 11, 1987</b>
Box 152, Folder 9	<b>How old is the observable universe? a biased answer!" University of California, Berkeley Feb. 19, 1987</b>
Box 152, Folder 10	<b>"The quest for the origin of the elements," Drexel University, Philadelphia Mar. 24, 1987</b>
Box 152, Folder 11	<b>"The age of the observable universe," California State University, Long Beach Apr. 1, 1987</b>
Box 152, Folder 12	<b>"How old is the observable universe?" Leon Pape Memorial Lecture, California State University, Long Beach Apr. 3, 1987</b>
Box 152, Folder 13	<b>George Washington University/National Science Foundation Joint Colloquium, Washington, D.C. Apr. 9, 1987</b>
Box 152, Folder 14	<b>"Recollections of early work on the synthesis of the chemical elements in stars," American Physical Society meeting, Crystal City, Virginia Apr. 22, 1987</b>
Box 152, Folder 15	<b>50th Annual Caltech Alumni seminar May 16, 1987</b>
Box 152, Folder 16	<b>"The forces of nature and the sun," Interactions and Structures in Nuclei Conference, University of Sussex Sept. 9, 1987 See also: Series VII, 1987 manuscript</b>
Box 152, Folder 17	<b>Talks at the Institut für Kernphysik, Jülich, Germany Sept. 14-15, 1987</b>
Box 152, Folder 18	<b>"The quest for the origin of the elements," L. H. Thomas Lecture, North Carolina University Oct. 26, 1987</b>
Box 152, Folder 19	<b>National Science Foundation Teachers award talk, Washington, D.C. Nov. 17, 1987</b>
Box 152, Folder 20	<b>"How old is the observable universe in the inflationary model?" Colorado School of Mines Dec. 1, 1987</b>
Box 152, Folder 21	<b>"The quest for the origin of the elements," University of Chicago Dec. 3, 1987</b>

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Box 152, Folder 22	<b>"Herb Chen and solar neutrinos," University of California, Irvine Jan. 8, 1988</b>
Box 152, Folder 23	<b>"The age of the observable universe," Jet Propulsion Laboratory Jan. 21, 1988</b>
Box 152, Folder 24	<b>Symposium on High Energy Physics, University of California, Berkeley Feb. 1, 1988</b>
Box 152, Folder 25	<b>"The quest for the origin of the elements," Colorado College Apr. 12, 1988</b>
Box 152, Folder 26	<b>Herman Feshbach Lecture, Massachusetts Institute of Technology May 13, 1988</b>
Box 152, Folder 27	<b>"Reminiscences of fifty-five years at Caltech," Commencement talk, Caltech June 10, 1988 [not given]</b>
Box 152, Folder 28	<b>"The quest for the origin of the elements," Miller Lecture, University of Illinois Oct. 5, 1988</b>
Box 152, Folder 29	<b>"The age of the observable universe" Washington, D.C. Oct. 21, 1988</b>
Box 152, Folder 30	<b>Kare Jansky Lectures, Charlottesville, Nov. 8, 1988; Socorro, New Mexico, Nov. 10, 1988</b>
Box 152, Folder 31	<b>"Addendum to 'The age of the observable universe,'" Hubble Lecture, Space Telescope Science Institute, Baltimore Nov. 17, 1988</b>
Box 152, Folder 32	<b>Workshop on the age of the observable universe, Dallas Dec. 12, 1988</b>
Box 153, Folder 1	<b>"The big bang revisited" Aspen, Colorado Jan. 18, 1989</b>
Box 153, Folder 2	<b>Boston University, Feb. 22, 1989; University of California, Berkeley, Oct. 5, 1989</b>
Box 153, Folder 3	<b>Mt. Wilson seminar, notes on talk given by Allan Sandage Mar. 2, 1989</b>
Box 153, Folder 4	<b>"The age of the observable universe," Newson Lecture, Duke University Apr. 12, 1989</b>
Box 153, Folder 5	<b>"The quest for the origin of the elements," University of Maryland, College Park Apr. 25, 1989</b>
Box 153, Folder 6	<b>Alvin Tollestrup's 65th birthday celebration, Fermi National Laboratory May 15, 1989</b> <b>"Caltech AirTalk," Radio interview by Larry Mantle May 24, 1989 See: Series X, Radio talk May 1988</b>
Box 153, Folder 7	<b>"The big bang revisited: early nucleosynthesis in an inhomogeneous universe," Institute of Astronomy, Cambridge July 24, 1989</b>
Box 153, Folder 8	<b>"Nuclear physics and the universe," International Nuclear Physics Conference, University of Sao Paulo, Brazil Aug. 21, 1989 [not given]</b>
Box 153, Folder 9	<b>"The big bang revisited," Physics Ph10a class, Caltech Oct. 1, 1989</b>
Box 153, Folder 10	<b>Caltech Associates talk Nov. 15, 1989</b>
Box 153, Folder 11	<b>"The cosmic value of H 0," Kellogg Journal Club Feb. 6, 1990</b>
Box 153, Folder 12	<b>"Our early universe;" "How old is the observable universe?" University of Minnesota, Minneapolis Feb. 21-22, 1990</b>
Box 153, Folder 13	<b>"The big bang revisited," University of California, Los Angeles Mar. 1, 1990</b>
Box 153, Folder 14	<b>"Early universe," B. M. Birla Memorial Lecture, Hyderabad, India Mar. 15, 1990</b>
Box 153, Folder 15	<b>"Early universe," Ferguson College, Pune, India Mar. 24, 1990</b>
Box 153, Folder 16	<b>International Union of Pure and Applied Physics [IUPAP] Conference, Tokyo Sept. 5, 1990</b>
Box 153, Folder 17	<b>"Signatures of inhomogeneity in the early universe," University of Tokyo Sept. 12, 1990</b>
Box 153, Folder 17	<b>Workshop on Physics and Facility of Exotic Nuclei Arena, University of Tokyo Sept. 13-15, 1990</b>
	<b>"Signatures of inhomogeneity in the early universe"</b>

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Box 153, Folder 19	<b>Yukawa Institute, Kyoto Sept. 25, 1990</b>
Box 153, Folder 20	<b>Physics Research Conference, Caltech Oct. 11, 1990</b>
Box 153, Folder 21	<b>"Our observable universe: a thing of beauty," International Symposium of Sigma Xi, Research Triangle Park, North Carolina Oct. 27, 1990</b>
Box 153, Folder 22	<b>Talk at the dedication of portrait of R. A. Millikan, the Athenaeum, Caltech, Nov. 30, 1990</b>
Box 153, Folder 23	<b>"Tribute to Carl David Anderson," Dabney Lounge, Caltech Feb. 25, 1991</b>
Box 153, Folder 24	<b>"Our observable universe: a thing of beauty," Nobel Jubilee 1901-1991, Stockholm Dec. 7, 1991</b>
Box 153, Folder 25	<b>Erice School Lectures, Palermo June 20-30, 1992</b>
Box 153, Folder 26	<b>"Our observable universe: a thing of beauty," Joseph and Sophia Konopinski Lecture, Indiana University, Bloomington Oct. 1, 1992</b>
Box 153, Folder 27	<b>"The age of our observable universe," Indiana University, Bloomington Oct. 2, 1992</b>
Box 153, Folder 28	<b>Astronomy seminar notes Mar. 2, 1994</b>
	<b>Talks, miscellaneous</b>
Box 153, Folder 29	<b>Abstracts</b>
Box 153, Folder 30	<b>Posters</b>
Box 153, Folder 31	<b>Notes 1946; 1950; 1952</b>
Box 153, Folder 32	<b>Notes 1975</b>
Box 153, Folder 33	<b>Talk schedules</b>
Box 153, Folder 34	<b>Talk outlines n.d.</b>
Box 153, Folder 35	<b>"Cloud chamber range measurements" n.d.</b>
Box 153, Folder 36	<b>"Production of x-radiation by fast electrons" n.d.</b>
Box 153, Folder 37	<b>"Sophomore lecture on polarization of light" n.d.</b>
Box 153, Folder 38	<b>"Emergency stories for talks"</b>
Box 153, Folder 39	<b>"Requirements for lectures by William A. Fowler" January 1985</b>
Box 153, Folder 40	<b>Conferences, miscellaneous</b>
	<b>Photocopies of slides for presentations (all undated)</b>
Box 154, Folder 1	<b>nuclear astrophysics</b>
Box 154, Folder 2	<b>p-p chain</b>
Box 154, Folder 3	<b>CNO bi-cycle</b>
Box 154, Folder 4	<b>neutrino astronomy</b>
Box 154, Folder 5	<b>deuteronomy</b>
Box 154, Folder 6	<b>xenology and peculiar stars</b>
Box 154, Folder 7	<b>s- and r-process</b>
Box 154, Folder 8	<b>HeCO-burning</b>
Box 154, Folder 9	<b>neutrino losses</b>
Box 154, Folder 10	<b>supernovae and e-processes</b>
	<b>nuclear cosmochronology; age of the elements</b>

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Box 155, Folder 1	<b>Part 1 of 2</b>
Box 155, Folder 2	<b>Part 2 of 2</b>
Box 155, Folder 3	<b>radio sources</b>
Box 155, Folder 4	<b>general relativity and massive stars</b>
Box 155, Folder 5	<b>big and little bang nucleosynthesis</b>
Box 155, Folder 6	<b>quasars</b>
Box 155, Folder 7	<b>explosive nucleosynthesis</b>
	<b>silicon burning</b>
Box 155, Folder 8	<b>Part 1 of 2</b>
Box 155, Folder 9	<b>Part 2 of 2</b>
Box 155, Folder 10	<b>light elements destruction and solar neutrinos</b>

Series VII: **Manuscripts**

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**Part A: Manuscripts by Fowler and Co-Authors****1936-1955**

Box 156, Folder 1	<b>"Radioactive elements of low atomic number" (1936) [PhD dissertation] See also: Series IX, neutrons, notes ca 1936</b>
Box 156, Folder 2	<b>"Energy and absorption of the gamma radiation from Li 7 and H 1" (1937)</b>
Box 156, Folder 3	<b>"The conservation of momentum in the disintegration of Li 8" (1947)</b>
	<b>"Gamma radiation from excited states of light nuclei" (1948) [Millikan paper]</b>
Box 156, Folder 4	<b>Handwritten draft</b>
Box 156, Folder 5	<b>Typed drafts</b>
	<b>"Gamma radiation from light nuclei under proton bombardment" (1948)</b>
Box 156, Folder 6	<b>Handwritten and typed drafts</b>
Box 156, Folder 7	<b>"Investigations of the capture of protons and deuterons by deuterons" (1949)</b>
Box 156, Folder 8	<b>"Neutron-hydrogen mass difference from the D-D reactions" (1949)</b>
Box 156, Folder 9	<b>"A magnetic analyzer for charged-particles from nuclear reactions" (1950)</b>
Box 156, Folder 10	<b>"The cross section for the radiative capture of protons by C 12 near 100 keV" (1950)</b>
Box 156, Folder 11	<b>"Nuclear mass determination from nuclear Q-values" (1950)</b>
Box 156, Folder 12	<b>"Excited states of the mirror nuclei Li 7 and Be 7" (1951)</b>
Box 156, Folder 13	<b>"Analysis of the N 15 (<math>\rho, \alpha</math>) C 12 excitation function" (1953)</b>
Box 156, Folder 14	<b>"Experimental and theoretical results on nuclear reactions in stars" (1954)</b>
Box 156, Folder 15	<b>"Stellar evolution and the synthesis of the elements" (1955)</b>

**1956-1961**

Box 157, Folder 1	<b>"Californium 254 and supernovae" (1956)</b>
Box 157, Folder 2	<b>"Origin of the elements in stars" (1956)</b>
Box 157, Folder 3	<b>"The origin of the elements" (1957) Published as "Formation of the elements"</b>
Box 157, Folder 4	<b>"B 12, C 12 and the red giants" (1957)</b>
	<b>"Synthesis of the elements in stars" (1957) [B 2FH]</b>
Box 157, Folders 5-6	<b>Drafts</b>
	<b>Physical Description: [2 folders]</b>
Box 157, Folder 7	<b>Correspondence 1986</b>
Box 157, Folder 8	<b>"Nuclear reactions and element synthesis in stellar atmospheres" (1958) [Stockholm paper]</b>
Box 157, Folder 9	<b>"Abundances of the rare-earth nuclei produced by rapid neutron capture in supernovae" (1959)</b>
	<b>"Nuclear cosmochronology" (1960)</b>

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Box 157, Folder 10	<b>Handwritten drafts</b>
Box 157, Folder 11	<b>Typed drafts and figures</b>
Box 157, Folder 12	<b>"Origin of the elements" (1960) Drafts and figures</b>
Box 157, Folder 13	<b>Correspondence</b>
Box 157, Folder 14	<b>"The duration of nucleosynthesis" (1960) Draft</b>
Box 157, Folder 15	<b>"Nucleosynthesis in supernovae" (1960) Draft 1959</b>
Box 157, Folder 16	<b>Draft and correspondence 1960</b>
Box 157, Folder 17	<b>"The ft-value of O 14 and the universal Fermi interaction" (1960)</b>
Box 157, Folder 18	<b>"Rutherford and nuclear cosmochronology" (1961)</b>
Box 157, Folder 19	<b>"Origin of the nuclear species" (1961)</b>
	<b>1962-1964</b>
	<b>"The mean lifetimes of carbon, nitrogen and oxygen in the CNO bi-cycle" (1962) [CF62]</b>
Box 158, Folder 1	<b>Galley proof</b>
Box 158, Folder 2	<b>Correspondence</b>
Box 158, Folder 3	<b>Draft 1961</b>
Box 158, Folder 4	<b>A note on "massive star" 1963</b>
Box 158, Folder 5	<b>Notes on "gravitational radiation from a collapsing star" 1963</b>
Box 158, Folder 6	<b>"On the abundances of uranium and thorium in solar system material" (1963)</b>
Box 158, Folder 7	<b>"On the nature of strong radio sources" (1963)</b>
Box 158, Folder 8	<b>"Nuclear clues to the early history of the stellar system" (1963)</b>
Box 158, Folder 9	<b>"Solar neutrino flux" (1963) Draft</b>
Box 158, Folder 10	<b>"Neutrino processes and pair formation...and supernovae" (1964) Draft 1962</b>
Box 158, Folder 11	<b>Draft 1963</b>
Box 158, Folder 12	<b>Final draft 1963-1964</b>
Box 159, Folder 1	<b>Figures and tables</b>
Box 159, Folder 2	<b>Appendix A: draft 1962-1963</b>
Box 159, Folder 3	<b>Appendix B: draft 1963-1964</b>
Box 159, Folder 4	<b>Appendix C: draft 1963-1964</b>
	<b>1964-1968</b>
Box 159, Folder 5	<b>"Massive stars, relativistic polytropes and gravitational radiation" (1964)</b>
Box 159, Folder 6	<b>"Combined hydrogen and helium burning in the core of a population II red giant star" (1964)</b>
Box 159, Folder 7	<b>Report on "The properties of massive objects" 1965</b>
Box 159, Folder 8	<b>Memorandum: "Radio observations on C 12, C 13, O 16 and O 18 in the interstellar medium" 1965</b>
Box 159, Folder 9	<b>"The fast CN-cycle" (1965) [CF65] Handwritten outline and draft</b>
Box 159, Folder 10	<b>Correspondence</b>
Box 159, Folder 11	<b>"Nuclear energy generation in supermassive stars" (1966)</b>

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Box 159, Folder 12	<b>"Gravitational red shifts in quasi-stellar objects" (1967)</b>
Box 159, Folder 13	<b>Translation of: "Neutrino processes and pair formation in massive stars and supernovae" [for Russian edition] (1967)</b>
Box 159, Folder 14	<b>"Nuclear astrophysics" (1967) [Jayne lecture] Book review and circular</b>
Box 159, Folder 15	<b>Foreword for "Relativity and cosmology" 1968</b>
Box 159, Folder 16	<b>Notes on "Black dwarfs and pulsars" 1968</b>
Box 159, Folder 17	<b>"Solar neutrino and low-energy nuclear cross-sections" (1968) Draft</b>
Box 159, Folder 18	<b>Notes on "solar neutrinos" 1968</b>
	<b>1970-1982</b>
Box 160, Folder 1	<b>"How now, no cosmological helium?" (1970)</b>
Box 160, Folder 2	<b>"New observation and old nucleocosmochronologies" (1972) [partial draft, Aug. 1969]</b>
	<b>"The case of the missing solar neutrinos" (1974)</b>
Box 160, Folder 3	<b>Drafts</b>
Box 160, Folder 4	<b>Correspondence and notes</b>
	<b>"Thermonuclear reaction rates II" (1975) [FCZ II]</b>
Box 160, Folder 5	<b>Outline and handwritten drafts</b>
Box 160, Folder 6	<b>Drafts</b>
Box 160, Folder 7	<b>Tables</b>
Box 160, Folder 8	<b>Notes 1970-1971</b>
Box 160, Folder 9	<b>"Nuclear experimentation relevant to cosmic ray composition" (1975)</b>
Box 160, Folder 10	<b>Notes on "solar polytropes" 1975</b>
Box 160, Folder 11	<b>"Production of heavy elements in neutron stars" (1976) Galley proof</b>
	<b>"Nuclear partition functions" (1978)</b>
Box 160, Folder 12	<b>Drafts 1977 and Orange Aid preprint</b>
Box 160, Folder 13	<b>Galley proof</b>
	<b>"A nuclear correction factor for Re/Os cosmochronology" (1979)</b>
Box 160, Folder 14	<b>Correspondence</b>
Box 160, Folder 15	<b>Orange Aid preprint</b>
Box 160, Folder 16	<b>"Competition effects in proton-induced reactions on 51V" (1980)</b>
Box 160, Folder 17	<b>"Thermalization of long lived nuclear...under stellar conditions" (1980)</b>
	<b>"Ca-Ti-Cr anomalies in an Allende inclusion and the n<math>\beta</math>-process" (1982)</b>
Box 160, Folder 18	<b>Drafts 1981-1982</b>
Box 160, Folder 19	<b>Galley 1982</b>
Box 160, Folder 20	<b>Figures and tables</b>
	<b>1983-1986</b>
	<b>"Thermonuclear reaction rates III" (1983) [HFCZ]</b>
Box 161, Folder 1	<b>Drafts</b>
Box 161, Folder 2	<b>Correspondence</b>
Box 161, Folder 3	<b>Galley proof</b>
Box 161, Folder 4	<b>"Bound state decay of rhenium-187" (1984)</b>

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	<b>"Stellar weak interaction rates IV" (1985) Drafts</b>
Box 161, Folder 5	<b>Aug. 1983-Mar. 1984</b>
Box 161, Folder 6	<b>May 1984</b>
Box 161, Folder 7	<b>Sept.-Oct. 1984</b>
Box 161, Folder 8	<b>"Introductory remarks on radioactive and isomeric beams" (1985)</b>
Box 161, Folder 9	<b>"Introductory remarks on radioactive and isomeric ion beams" (1985)</b>
	<b>"A new estimate of the <math>^{19}\text{Ne}(\rho,\gamma)\dots</math> at stellar energies" (1986)</b>
Box 161, Folder 10	<b>Drafts</b>
Box 161, Folder 11	<b>Correspondence and calculations</b>
Box 161, Folder 12	<b>"The age of the observable universe in the inflationary cosmology" (1986)</b>
	<b>Drafts</b>
	<b>"Tables of thermonuclear reaction rates for low-mass nuclei (<math>1 \leq Z \leq 14</math>) (1985) [CFHZ]</b>
Box 161, Folder 13	<b>Correspondence</b>
Box 161, Folder 14	<b>Drafts</b>
Box 161, Folder 15	<b>Galley proof</b>
Box 161, Folder 16	<b>Comments on "Deuterium in the universe" 1986</b>
	<b>"The synthesis of the chemical elements carbon and oxygen" (1986)</b>
Box 161, Folder 17	<b>Drafts</b>
Box 161, Folder 18	<b>Figures and tables</b>
	<b>1987-1988</b>
Box 162, Folder 1	<b>"Gamma-ray constraints on <math>^{22}\text{Na}</math> yields in nova explosions" (1987)</b>
	<b>"The age of the observable universe" (1987)</b>
Box 162, Folder 2	<b>Drafts Oct.-Nov. 1986</b>
Box 162, Folder 3	<b>Orange Aid preprint</b>
Box 162, Folder 4	<b>Notes and calculations</b>
	<b>"Approximate penetration factors...of astrophysical interest" (1987) Drafts</b>
Box 162, Folder 5	<b>Apr.-May 1986</b>
Box 162, Folder 6	<b>July 1986</b>
Box 162, Folder 7	<b>Feb. 1987</b>
	<b>"When will a pulsar in supernova 1987A be seen?" (1987)</b>
Box 162, Folder 8	<b>Correspondence</b>
Box 162, Folder 9	<b>Drafts</b>
	<b>"Galactic chronology of thorium neonydium" (1987)</b>
Box 162, Folder 10	<b>Correspondence</b>
Box 162, Folder 11	<b>Drafts</b>
Box 162, Folder 12	<b>"The consequences of baryonic diffusion on primordial nucleosynthesis" (1987)</b>
Box 162, Folder 13	<b>"Late-time neutron diffusion and nucleosynthesis" (1988)</b>
Box 162, Folder 14	<b>"The transformation of matter after the big bang" (1988)</b>
	<b>"Thermonuclear reaction rates V" (1988) [CF88]</b>
Box 162, Folder 15	<b>Correspondence</b>
Box 162, Folder 16	<b>Drafts</b>
	<b>1988-1991</b>

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	<b>"The forces of nature and the sun" (1988)</b>
Box 163, Folder 1	<b>Drafts</b>
Box 163, Folder 2	<b>Calculations</b>
Box 163, Folder 3	<b>Correspondence</b>
	<b>"Th/Nd cosmochronology and a constant r/s ratio" (1989)</b>
Box 163, Folder 4	<b>Draft</b>
Box 163, Folder 5	<b>Orange Aid preprint and draft</b>
Box 163, Folder 6	<b>"Cold fusion results still unexplained" (1989)</b>
	<b>Draft and Orange Aid preprint</b>
Box 163, Folder 7	<b>"Nuclear reactions in inhomogeneous cosmologies" (1989)</b>
Box 163, Folder 8	<b>"Spatial distribution of <math>^{26}\text{Al}</math> generated by galactic novae" (1989)</b>
Box 163, Folder 9	<b>"Our sun" (1990)</b>
Box 163, Folder 10	<b>"Signatures of inhomogeneity in the early universe" (1991)</b>
Box 163, Folder 11	<b>"Microscopic study of the low energy <math>3\text{He}(3\text{He}, 2\pi)\dots</math>cross sections" (1991)</b>
Box 163, Folder 12	<b>"The Nobel Century" (1991)</b>
	<b>Unidentified and/or Unpublished Material</b>
Box 163, Folder 13	<b>"Nuclear reaction cross sections" [unidentified manuscript] n.d.</b>
Box 163, Folder 14	<b>"Stellar nuclear processes" being an account of "Energy generation and element synthesis in stars and supernovae" [unidentified manuscript] n.d. Draft 1961 (cross-section for the proton-proton reaction)</b>
Box 163, Folder 15	<b>"Thermonuclear reactions and formation of the elements" [unidentified manuscript] n.d. Drafts</b>
Box 163, Folder 16	<b>"The analysis of experimental data on nuclear reactions of astrophysical interest" 1975 [CFZ] [unpublished]</b>
Box 163, Folder 17	<b>"Theoretical cross-sections for heavy elements" [unpublished?] Drafts 1975</b>
Box 163, Folder 18	<b>"Tables of thermonuclear reaction rates" Mar. 1975 [ZFC] [unpublished]</b>
Box 163, Folder 19	<b>"Tables of thermonuclear reaction rate data for intermediate mass nuclei" Aug. 1975 [WFHZ] [unpublished]</b>
Box 163, Folder 20	<b>"The nuclear origin of Ne-E and <math>^{26}\text{Mg}</math>-anomalies...in the rp-process" 1982 [unpublished]</b>
Box 163, Folder 21	<b>Notes on "the evolution of the S, peculiar A and Ba+ stars" n.d.</b>
Box 163, Folder 22	<b>Manuscript fragments n.d.</b>
Box 163, Folder 23	<b>"Wave functions for very light nuclei" 1967 [unpublished]</b>
Box 163, Folder 24	<b>"On the synthesis of heavy elements in primordial material" 1967 [unpublished]</b>
	<b>"Nuclear cosmochronology and the Orgeuil thorium: uranium ratio" 1966 [unpublished]</b>
Box 164, Folder 1	<b>Draft, manuscript, tables</b>
Box 164, Folder 2	<b>Correspondence and printed matter</b>
Box 164, Folder 3	<b>"The scattering of protons from lithium" [unidentified draft]</b>
Box 164, Folder 4	<b>"On the early history of galaxies and the formation of massive objects" 1963 [unpublished]</b>
Box 164, Folder 5	<b>Unidentified manuscripts (re: origin of the elements) [ca 1955-1960]</b>

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**Part B: Manuscripts by Others**

Box 164, Folder 6	<b>Arnett, D., "Universe as laboratory: white dwarfs and neutron stars" (1969)</b>
	<b>Bethe et al., "Equation of state in the gravitational collapse of stars" (1979)</b>

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Box 164, Folder 7	<b>Reprint, correspondence (Brown. G.), notes 1979-1981</b>
Box 164, Folder 8	<b>Braginsky, V.B., "The prospects for high-sensitivity gravitational antennae" (1973)</b>
Box 164, Folder 9	<b>Cavendish Laboratory, 1950-1955 miscellaneous:</b>
	<b>French, A. P., "Electromagnetic radiation and angular correlations" (1935)</b>
	<b>Barnes, C. A. and French, A. P., "Angular correlation between <math>\alpha</math>-particles and <math>\gamma</math>-rays in the reaction <math>F 19(\pi,\alpha\gamma)O 16</math>" 1950 [print]</b>
	<b>French, A. P., "Matrix elements for octupole radiative transitions" [print] (1951)</b>
	<b>Flowers, B. H., "Recent developments in nuclear structure" (1955)</b>
	<b>Wilkinson, D. H., "Illustrations of angular correlation computations using the Racah coefficient methods"</b>
Box 164, Folder 10	<b>Davis, R., "On solar neutrinos" (1973-1974)</b>
Box 164, Folder 11	<b>Gingerich, O. and Lang, R., "A source book in astronomy and astrophysics" (1978)</b>
Box 164, Folder 12	<b>Harris, M. J., "The sp-process and Allende isotope anomalies in calcium and titanium" (1982)</b>
	<b>Hoyle, Fred</b>
Box 164, Folder 13	<b>"Abundances" (1967?)</b>
Box 164, Folder 14	<b>"Physics and society in the 1970's" (1968)</b>
Box 164, Folder 15	<b>"Two decades of collaboration with WAF" (1972?)</b>
Box 164, Folder 16	<b>"Magnetic monopoles and the halos of galaxies" (1982-1983)</b>
Box 164, Folder 17	<b>Langanke, K., "The Non-resonant <math>16O(\alpha,\gamma) 20Ne</math> reaction at stellar energies" (1983)</b>
Box 164, Folder 18	<b><i>Physical Processes in Stars</i> (1959-1961) [Russian translation of]</b>

## Series VIII: Reprints

**1938-1965**

Box 165, Folder 1	<b>"Scattering and loss of energy of fast electrons and positrons in lead," <i>Phys. Rev.</i> 54 (1938): 320.</b>
Box 165, Folder 2	<b>"Scattering of fast electrons," <i>Phys. Rev.</i> 54 (1938): 773.</b>
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	<b>Lieb, K.</b>
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Box 190, Folder 7	<b>"Elements of mineralogy" 1930</b>
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Box 190, Folder 11	<b>"Notes on kinetic theory; gravitational law; atomic and electron theories," Physics 609 notes 1931</b>

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Box 190, Folder 12	<b>"Thermodynamics," Electrical Engineering 605 notes 1931</b>
Box 190, Folder 13	<b>"Notes on surface tension experiment," Mechanics 602 notes 1932</b>
Box 190, Folder 14	<b>"Periodic and transient currents," Physics 612 notes 1932</b>
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Box 191, Folder 2	<b>"Experiments in physical chemistry," 693 1933</b>
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Box 191, Folder 4	<b>"Origin of species; behaviorism; notes on philosophy, psychology, and anthropology" n.d.</b>
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Box 191, Folder 6	<b>"Problems in differential equations" n.d.</b>
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	<b>Ohio State University, student experiment reports</b>
	<b>Physics 431 1930</b>
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	<b>Physics 436 1931</b>
Box 191, Folder 15	<b>"Determination of current and standardization of an ammeter by the copper voltameter"</b>
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Box 191, Folder 22	<b>"Measurement of resistance with a wheatstone bridge"</b>
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Box 191, Folder 24	<b>"The comparison of low resistance by the comparison of voltage; the measurement of specific resistivity"</b>
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Box 191, Folder 27	<b>"Standardization of a voltmeter by means of a Nadler potentiometer"</b>
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Box 192, Folder 22	<b>"Reactive circuits in parallel"</b>
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Series XI: **Photos, Slides and Films**

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**Caltech**

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Box 202, Folder 24	<b>Lauritsen Library dedication Nov. 1974</b>
Box 202, Folder 25	<b>National Medal of Science 1974</b>
Box 202, Folder 26	<b>Symposium in honor Fred Hoyle's 60th birthday, Venice July 1975</b>
Box 202, Folder 27	<b>14th International Cosmic Rays Conference, Munich Aug. 1975</b>
Box 202, Folder 28	<b>American Physical Society meeting, Washington, D.C. Apr. 1976</b>
Box 202, Folder 29	<b>Lawrence Radiation Laboratory, Berkeley Jan. 1977</b>
Box 202, Folder 30	<b>American Physical Society presidential address Feb. 1977</b>
Box 202, Folder 31	<b>American Institute of Physics meeting Feb 1977</b>
Box 202, Folder 32	<b>W. A. Fowler with Gordon Locher July 1977</b>
Box 202, Folder 33	<b>W. A. Fowler photos (formal pose) 1978; 1985; 1991</b>
Box 202, Folder 34	<b>Donald Clayton, Workshop on Astrophysics, Santa Cruz July 1979</b>
Box 202, Folder 35	<b>Einstein Observatory, nebula photos Dec. 1979</b>
Box 203, Folder 1	<b>Workshop in Astronomy and Physics, Santa Cruz July 1980</b>
Box 203, Folder 2	<b>University of Hawaii at Manoa, February 1981</b>
Box 203, Folder 3	<b>Tandem accelerator dedication Nov. 6, 1981</b>
Box 203, Folder 4	<b>70th birthday celebration Nov. 1981</b>
Box 203, Folder 5	<b>Doctorat Honoris Causa, Paris Observatory 1981 (Awarded June 1982)</b>
Box 203, Folder 6	<b>American Physical Society meeting Jan. 1982</b>
Box 203, Folder 7	<b>W. K. Kellogg Radiation Laboratory 50th Anniversary, article in <i>Engineering &amp; Science</i> Mar. 1982</b>
Box 203, Folder 8	<b>Honorary Doctor of Science, Denison University Apr. 1982</b>
Box 203, Folder 9	<b>Yerkes Observatory [negatives] Oct. 1983</b>
Box 203, Folder 10	<b>ARCS "Man of Science" Award Feb. 1984</b>
Box 203, Folder 11	<b>Nobel Recognition Day, California State Senate Feb. 1984</b>
Box 203, Folder 12	<b>National Science Foundation Science Week May 1984</b>
Box 203, Folder 13	<b>Arizona State University commencement 1985</b>

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## Part A: Photos

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Box 203, Folder 14	<b>Retirement talk for Joseph A. Burton, American Physical Society meeting, San Diego Nov. 1985</b>
Box 203, Folder 15	<b>Honorary Doctor of Science, University of Massachusetts at Amherst, Mar. 1987</b>
Box 203, Folder 16	<b>Dinner at Jean Audouze house, Paris Sept. 1987</b>
Box 203, Folder 17	<b>W. A. Fowler with friends, Railroad Museum, Boone, Iowa May 1988</b>
Box 203, Folder 18	<b>80th birthday celebration 1991</b>
Box 203, Folder 19	<b>Mt. Stromlo and Siding Springs Observatories, Australia n.d.</b>
Box 203, Folder 20	<b>Hans Staub n.d</b>
Box 203, Folder 21	<b>Lecture slide photos n.d.</b>
Box 203, Folder 22	<b>Miscellaneous photos</b>

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## Part B: Slides

Box 203, Folder 23	<b>W. A. Fowler and others 1933-1981</b>
Box 203, Folder 24	<b>Lawrence Berkeley Laboratory, Berkeley 1940</b>
Box 203, Folder 25	<b>Kellogg Radiation Laboratory 1950-1959</b>
Box 203, Folder 26	<b>Tandem Van de Graaff 1960; 1965; 1981</b>
Box 203, Folder 27	<b>Nobel Prize ceremony 1983</b>
Box 204, Folders 1-3	<b>Atomic Bomb</b> <b>Physical Description: [3 folders]</b>
Box 204, Folders 4-6	<b>Rockets</b> <b>Physical Description: [3 folders]</b>
Box 204, Folder 7	<b>Kellogg Radiation Laboratory</b>
Box 204, Folder 8	<b>Tandem van de Graaff</b>
Box 204, Folder 9	<b>Song texts</b>
Box 204, Folder 10	<b>Miscellaneous glass slides</b>
Box 205 (Oversize)	<b>VISTA Project slides</b>
Boxes 206-207 (Oversize)	<b>Lecture slides [in original case]</b>

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## Part C: Films

	<b>[oversize]</b>
Box 208, Folders 1-3	<b>Cloud chamber 1938-1958</b> <b>Physical Description: [rolls of 35mm films, 3 folders]</b>
Box 208, Folder 4	<b>Tandem Van de Graaff [1 roll of 16mm]</b> <b>World War II [16mm films]</b>
Box 209, Folder 1	<b>"Forward firing rockets and pilot training"</b>
Box 209, Folder 2	<b>"Artillery and aircraft rockets"</b>

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Box 209, Folder 3  
Box 209, Folder 4  
Box 209, Folder 5

"Scenes removed from 'Artillery and aircraft rockets'"

"Retro torpedo tests," San Diego 1943

Construction of Sloan Laboratory, 1959; installing Van de Graaff tank, Aug. 1960

Series XII: **Oversize**

**Rocket Project photos**

**Group photos**

W. A. Fowler and colleagues 1935

Round Table Gang 1935-1936

Pontificia Academia Scientiarum [1957]

Instituts Internationaux de Physique et de Chimie, Brussels Sept. 1964

Institute of Theoretical Astronomy

Staff, summer 1967

Cosmic Ray Conference, July 1969

Summer 1970

Conference on Massive Objects, summer 1971 [2 copies]

Solar Neutrino Conference, University of California, Irvine Feb. 1972

Institute of Theoretical Astronomy, summer 1972

Institute of Astronomy, NATO ASI on Supernovae 1981

Photo album: "Whoopee Willy, Nobel Prize 1983," 1983

Photos, lecture at Santa Monica College Mar. 29, 1984

Group photo, Institute of Astronomy, NATO ASI on Dark Matter 1989

Photo of an unidentified woman n.d.

Photos of W. A. Fowler teaching in classroom n.d.

Book: "Rocket testing," OSRD Report 2553, CIT Report JHC 7 June 15, 1945

**Certificates**

National Academy of Sciences [election to member] 1956

American Philosophical Society [election to member] Apr. 1962

Air Force Office of Scientific Research, Advisory Committee of the Air Force  
[serving as a member] 1962-1963

Naval Research Advisory Committee [serving as a member] 1962-1970

University of Washington, Walker-Ames Professor 1963

American Academy of Arts and Sciences [election to member] 1965

New York Academy of Sciences [election to member] 1967

National Aeronautics and Space administration (NASA), Apollo Achievement  
Award 1969

Royal Society for the Encouragement of Arts [election to fellow] 1970

National Science Board, National Science Foundation [election to member] May  
1974

University of Liège, Doctorat Honoris Causa May 1981

Observatoire de Paris, Doctorat Honoris Causa 1981 [awarded June 1982]  
[certificate location is oversize DO-4]

University of Uppsala, Sweden 1983

Poster, Nobel Lecture at the Royal Swedish Academy of Sciences Dec. 8, 1983

**Certificates**

Commendation from the City of Pasadena, California Jan. 1984

Resolution from the California Legislature Feb. 1984 [2 copies]

Resolution from the Wisconsin State Assembly Feb. 1984

Resolution from Ohio State Senate Mar. 1984

Proclamation from the City of Lima, Ohio Apr. 1984

Poster, Herman Feshbach Lectures in Physics, Massachusetts Institute of Technology  
Dec. 1984

Certificate, Arizona State University, Honorary Doctor of Science May 1985

Appreciation card with photo (copy), President of the USA and his wife 1994

Certificates, the Planetary Society

Election to member n.d.

Appreciation certificate n.d.

Plaque, North Carolina State University, L. H. Thomas Lecturer Oct. 1987

**Fellow Rosette, American Association for the Advancement of Science 1989**

**Key to the City of Sacramento n.d.**

**Medals**

**Bronze medal, National Academy of Sciences Centennial 1963**

**Bronze medal, Daniel Chalonge 1895-1977**

**Silver medal, Astronomical Society of the Pacific 1979**

**Bronze medals, Worcester Polytechnic Institute 1865-1965**

**Bronze medal, Nicholas Copernicus 1973**

**3-photo montage, Naval Ordnance Test Station, China Lake 1946**

In Double  
Oversize Storage  
(Vertical Files)

DO-2

In Double

Oversize Storage

(Vertical Files)

DO-4

In Double

Oversize Storage

(Vertical Files)

DO-9

**Certificate with seal, Docteur honoris causa de l'Observatoire de Paris 1982**

**Print [engraving?], titled "Fondation de l'Observatoire," after Painting by Charles LeBrun [n.d., 18th c.]**