

---

## Finding Aid to the Luis W. Alvarez Papers, 1932-1988, bulk 1943-1987

### Collection Number: BANC MSS 84/82 cz

The Bancroft Library

University of California, Berkeley  
Berkeley, California

Finding Aid Written By:

Bancroft Library Staff

Date Completed:

March 2008

© 2008 The Regents of the University of California. All rights reserved.

---

### Collection Summary

**Collection Title:** Luis W. Alvarez papers

**Date (inclusive):** 1932-1988,

**Date (bulk):** bulk 1943-1987

**Collection Number:** BANC MSS 84/82 cz

**Creators :** Alvarez, Luis W., 1911-1988

**Extent:** Number of containers: 78 boxes, 3 cartons Linear feet: 36.5

**Repository:** The Bancroft Library

University of California, Berkeley Berkeley, California, 94720-6000 Phone: (510) 642-6481 Fax: (510) 642-7589 Email: [bancref@library.berkeley.edu](mailto:bancref@library.berkeley.edu) URL: <http://bancroft.berkeley.edu/>

**Abstract:** The Luis W. Alvarez papers include correspondence, research files, diaries, reports, and notes documenting Professor Alvarez's accomplishments as a professor in the Department of Physics at the University of California, Berkeley, and as a research associate at the Lawrence Berkeley National Laboratory. Projects documented include Alvarez's work as a member of the Manhattan Project, his studies of hyperon events in balloon-flown emulsions, his contributions to the Pyramid Project, and his research on bubble chambers. The collection also includes the draft for Alvarez's autobiography, *Alvarez: Adventures of a Physicist*.

**Languages Represented:** Collection materials are in English

**Physical Location:** Many of the Bancroft Library collections are stored offsite and advance notice may be required for use. For current information on the location of these materials, please consult the Library's online catalog.

### Access

Collection is open for research.

### Publication Rights

All requests to reproduce, publish, quote from or otherwise use collection materials must be submitted in writing to the Head of Public Services, The Bancroft Library, University of California, Berkeley, 94720-6000. Consent is given on behalf of The Bancroft Library as the owner of the physical items and is not intended to include or imply permission from the copyright owner. Such permission must be obtained from the copyright owner. See: <http://bancroft.berkeley.edu/reference/permissions.html>.

Restrictions also apply to digital representations of the original materials. Use of digital files is restricted to research and educational purposes.

### Preferred Citation

[Identification of item], Luis W. Alvarez Papers, BANC MSS 84/82 cz, The Bancroft Library, University of California, Berkeley.

### Alternate Forms Available

---

There are no alternate forms of this collection.

**Additional Notes on Collection:**

The Luis W. Alvarez papers form part of the History of Science and Technology Collection at The Bancroft Library.

**Related Collections**

Luis W. Alvarez bubble chamber logs (BANC MSS 76/161 c).

Records of the Department of Physics (CU-68).

**Indexing Terms**

The following terms have been used to index the description of this collection in the library's online public access catalog.

University of California, Berkeley. Dept. of Physics

Nuclear physics

Hyperons

Pyramids--Egypt

Bubble chambers

Physics--Study and teaching--California

Faculty papers.

*History of science and technology collection*

**Acquisition Information**

The Luis W. Alvarez papers were given to the Bancroft Library by Janet Alvarez on January 23, 1984. Additions were received in 1985 and in 1989. The collection was shipped to the Federal Records Center in San Bruno, CA, for classification review on June 16, 1989. Originals were retained by the Pacific Sierra Branch, National Archives Records Administration, which provided photocopies to the Bancroft Library. Research Notebook no. 1, 1932-1934, was received by the Bancroft Library in April 2006.

**Accruals**

No additions are expected.

**System of Arrangement**

Arranged to the folder level.

**Processing Information**

Processed by staff of The Bancroft Library.

**Scope and Content of Collection**

The Luis W. Alvarez papers include correspondence, research files, diaries, reports, and notes documenting the research Professor Alvarez performed while serving as a professor in the department of physics at the University of California, Berkeley, and as a research associate in the Lawrence Berkeley National Laboratory. Projects documented include Alvarez' work as a member of the Manhattan Project, his studies of hyperon events in balloon-flown emulsions, his pivotal role in the Pyramid Project, and his research on bubble chambers. The collection also includes the draft for his autobiography, *Alvarez: Adventures of a Physicist*.

Won the Nobel Prize!

Gfsdg

sdgd

Box 1-13	<b>Correspondence: Institutions and Professional Associations 1946-1973</b>
Box 1	<b>A-C 1955-1964</b>
Box 2	<b>D-H 1956-1964</b>
Box 3	<b>I-L 1956-1964</b>

---

Box 3	<b>M 1946-1960</b>
Box 4	<b>M 1961-1964</b>
Box 4	<b>N-R 1955-1964</b>
Box 5	<b>S-Z 1946-1964</b>
Box 6	<b>A 1965-1970</b>
Box 6	<b>American Physical Society 1969-1970</b>
Box 6	<b>B 1965-1970</b>
Box 6	<b>Brookhaven National Laboratory (BNL) Review Committee 1963-1969</b>
Box 6	<b>C 1965-1970</b>
Box 6	<b>California Scientist 1968</b>
Box 6	<b>Carnegie-Mellon University--Honorary Doctorate Degree 1968</b>
Box 7	<b>D-H 1965-1970</b>
Box 7	<b>Hertz Award 1964-1968</b>
Box 8	<b>I-K 1965-1970</b>
Box 8	<b>Kenyon College--Honorary Degree 1969</b>
Box 8	<b>Kittel Committee 1962</b>
Box 8	<b>L-M 1965-1970</b>
Box 9	<b>Michelson Award 1965-1966</b>
Box 9	<b>N-O 1965-1970</b>
Box 9	<b>Office of Science and Technology (OST) 1961-1965</b>
Box 9	<b>OST Travel 1965-1970</b>
Box 9	<b>P 1965-1970</b>
Box 10	<b>R-S 1965-1970</b>
Box 11	<b>T-U 1965-1970</b>
Box 11	<b>USC, UC Davis 1965-1970</b>
Box 11	<b>V-Z 1965-1970</b>
Box 11	<b>Edited draft, " <i>The Certification of Three Old Cosmic Ray Emulsion Events as O- Decays and Interactions</i>" Undated</b>
Box 11	<b>"Alvarez the Nobelist" (Physics 1968) by Chuck Levym p 10-18, California Monthly Jan-Feb 1969</b>
Box 11	<b>O- Manuscripts/worksheets 1954-1972</b>
Box 11	<b>O- Paper Correspondence 1972-1973</b>
Box 11	<b>Miscellaneous papers and reprints 1953-1961</b>
Box 12	<b>R.C. Cameron Correspondence 1967-1973</b>
Box 12	<b>Travel - Science and Technology Advisory Committee (STAC) 1966-1970</b>
Box 12	<b>STAC Winter Study 1968</b>
Box 12	<b>STAC 1970</b>
Box 13	<b>NASA-STAC 1966-1969</b>
Box 13	<b>NASA 1963-1970</b>
Box 13	<b>Travel - NASA Physics Committee 1964-1969</b>
Box 13	<b>President's Science Advisory Committee (PSAC) 1971-1973</b>
Box 13-23	<b>Correspondence and Reports Undated</b>
Box 13	<b>Joe Weber Correspondence 1969-1974</b>
Box 14	<b>Frederick Reines Correspondence 1969-1974</b>
Box 14	<b>Luis W. Alvarez (LWA) Travel - Colorado State University 1974-1975</b>
Box 14	<b>Travel - Wellesley, Notre Dame, Indiana 1969-1970</b>
Box 14	<b>Travel - Space Science Board 1965-1968</b>
Box 14	<b>Space Science Board publications, including membership, draft meeting minutes, draft Space Biology Summer Study report 1967-1969</b>
Box 14	<b>Space Science Board, correspondence, meeting minutes, reports 1964-1969</b>
Box 15	<b>Draper, Gaither, Anderson 1962</b>
Box 15	<b>Il Nuovo Cimento excerpts 1963-1965</b>
Box 15	<b>Argonne National Lab 1962-1965</b>
Box 15	<b>R. L. S. Woolcott (thesis) 1964-1967</b>
Box 15	<b>NOTS - China Lake (U.S. Naval Ordnance Test Station) 1963-1967</b>
Box 15	<b>"Texas Symposium on Relativistic Astrophysics" 1966</b>
Box 15	<b>Clyde Wiegand nomination for California Scientist of the Year Award 1970</b>

---

---

Box 15	<b>Outside Employment [of LRL employees] 1961-1962</b>
Box 15	<b>Bubble Chamber Operating Condition 1955-1966</b>
Box 15	<b>5-meter Chamber correspondence and reports 1963-1968</b>
Box 16	<b>Pyramid File 1963-1973</b>
Box 16	<b>Pyramid File--Articles 1965-1969</b>
Box 16	<b>A 1971-1974</b>
Box 16	<b>American Institute of Physics (AIP) 1976-1974</b>
Box 16	<b>"Anti-Oxygen" 1971</b>
Box 16	<b>American Physical Society (APS), Miscellaneous 1971</b>
Box 17	<b>B 1971-1974</b>
Box 17	<b>Arthur H. Compton 1970</b>
Box 17	<b>C 1971-1974</b>
Box 17	<b>D 1971-1974</b>
Box 18	<b>Document Receipts 1959-1971</b>
Box 18	<b>E-L 1971-1974</b>
Box 19	<b>M 1971-1974</b>
Box 19	<b>Moravcsik, Michael Julius 1971-1974</b>
Box 19	<b>N 1971-1974</b>
Box 19	<b>XVI International Conference on High Energy Physics (HEP) - NAL 1971</b>
Box 19	<b>O-R 1971-1974</b>
Box 19	<b>Accelerator for Diagnostic Radiology Discussion 1974</b>
Box 20	<b>S-Z 1971-1974</b>
Box 21	<b>Alvarez--Personal 1945-1962</b>
Box 21	<b>Alvarez - Special travel and conferences 1966-1967</b>
Box 21	<b>Bubble Chamber Correspondence 1953-1959</b>
Box 21	<b>American Institute of Physics (AIP) Visiting Scientist Program 1957-1959</b>
Box 21	<b>Baker Panel 1956-1958</b>
Box 21	<b>University of Chicago Reunion 1957</b>
Box 21	<b>Joint Committee of Congress - Atomic Energy Commission (AEC) Hearings 1958</b>
Box 21	<b>Modern Physics for the Engineer (lecture series &amp; book) 1957-1961</b>
Box 21	<b>[Edwin] McMillan letter - Accelerators 1959</b>
Box 21	<b>Radio Astronomy Advisory Committee 1957-1960</b>
Box 21	<b>Space Science Committee 1958</b>
Box 21	<b>General Correspondence 1957-1964</b>
Box 21	<b>Atomic Energy Commission (AEC) Summer Students 1965</b>
Box 21	<b>Don Gow, London trip 1958</b>
Box 22	<b>Australia - New Zealand Trip 1964</b>
Box 22	<b>Conference on Nucleon Structure - Stanford 1963</b>
Box 22	<b>Instrumentation Conference 1960</b>
Box 22	<b>International Conference on High Energy Physics - C.E.R.N. 1962</b>
Box 22	<b>International School of Physics - Varonna 1964</b>
Box 22	<b>Fallout Meter 1961-1962</b>
Box 22	<b>Fallout Meter 1962-1963</b>
Box 22	<b>Bubble Chamber Undated</b>
Box 23	<b>Spiral Reader 1963</b>
Box 23	<b>SMP [scanning and measuring projector] 1963</b>
Box 23	<b>Hydrogen Bubble Chamber Undated</b>
Box 23	<b>Data Reduction Meeting Minutes 1959-1964</b>
Box 23	<b>Monday Noon Meeting Minutes 1956-1966</b>
Box 24-28	<b>Correspondence: Incoming and Outgoing Undated</b>
Box 24	<b>A-K 1975-1977</b>
Box 25	<b>L 1975-1977</b>
Box 25	<b>M 1975-1977</b>
Box 25	<b>Mc 1975-1977</b>
Box 25	<b>N 1975-1977</b>
Box 25	<b>O 1975-1977</b>

---

---

Box 25	<b>P 1975-1977</b>
Box 25	<b>Q 1975-1977</b>
Box 25	<b>R 1975-1977</b>
Box 25	<b>S 1975-1977</b>
Box 25	<b>David Saxon re: U. C. Retirement System 1975</b>
Box 25	<b>Smithsonian Institution 1975-1977</b>
Box 26	<b>T 1975-1977</b>
Box 26	<b>V 1975-1977</b>
Box 26	<b>W 1975-1977</b>
Box 26	<b>Y 1975-1977</b>
Box 26	<b>Z 1975-1977</b>
Box 26	<b>Outgoing Correspondence 1976-1979</b>
Box 27	<b>Outgoing Correspondence 1980</b>
Box 27	<b>Outgoing Correspondence 1981</b>
Box 28	<b>The Mitre Corporation 1958-1972</b>
Box 28-29	<b>Conference Correspondence and Miscellaneous Files 1955-1966</b>
Box 28	<b>VI Annual Rochester Conference 1955-1956</b>
Box 28	<b>VII Annual Rochester Conference 1956-1957</b>
Box 28	<b>VIII Annual Rochester Conference 1957-1958</b>
Box 28	<b>IX Annual Rochester Conference 1958-1959</b>
Box 28	<b>X Annual Rochester Conference 1960</b>
Box 28	<b>XIII Annual Rochester Conference 1966</b>
Box 28	<b>Septum-type electromagnetic Separator - J. Murray 1959</b>
Box 28	<b>Other J. Murray Publications 1957-1959</b>
Box 29	<b>Lawrence Radiation Lab, Physics Divn., Semi-Annual Reports 1958-1965</b>
Box 29	<b>Science article: Alvarez letter on coincidences 1965</b>
Box 29	<b>Foreign Travel Requests 1958-1963</b>
Box 29	<b>Requests and Authorization for Official Travel 1958-1959</b>
Box 29	<b>Monday Meetings (2:30 PM) - Minutes 1962-1964</b>
Box 29	<b>Photocopies of photographs - "Congratulations Luis 25" Undated</b>
Box 29	<b>Telegram from President John F. Kennedy (negative photocopy) 1961</b>
Box 29	<b>Daily Californian 1962</b>
Box 29	<b>R. T. Van de Walle with others, reports, <i>Determination of <math>\sigma</math> cross-sections</i>, "Evidence that the <math>\rho</math> meson has <math>I</math>-Spin Zero 1961-1962</b>
Box 30-32	<b>Pyramid Project 1964-1975</b>
Box 30	<b>NSF mini-documentary, <i>The Pyramid Probe</i>, by Earl Pierce, with Alvarez 1973</b>
Box 30	<b>Joint UAR-USA Pyramid Project 1968-1973</b>
Box 30	<b>United Arab Republic (UAR) Embassy (Pyramid Project) 1966-1969</b>
Box 30	<b>Lauren Yazolino (Pyramid Project) 1966-1968</b>
Box 30	<b>International Business Machines (IBM) (Pyramid Project) 1967-1969</b>
Box 30	<b>Ford Foundation - U.C. - Smithsonian (Pyramid Project) 1965-1971</b>
Box 30	<b>J. Anderson - Correspondence (Pyramid Project) 1964-1965</b>
Box 30	<b>J. Anderson - Reports and Correspondence (Pyramid Project) 1967-1968</b>
Box 31	<b>J. Anderson - Notes (Pyramid Project) Undated</b>
Box 31	<b>National Geographic (Pyramid Project) correspondence 1964-1975</b>
Box 31	<b>Pyramid Project - Reports and data [2 folders] 1965-1966</b>
Box 31	<b>Pyramid Project - Early Planning Letters on Pyramids 1964-1966</b>
Box 31	<b>Pyramid Project - Notes and Figures 1965-1966</b>
Box 31	<b>Pyramid Project - Paulsen / Jorgensen 1965-1966</b>
Box 31	<b>Pyramid Project - Stuart Jewell 1967</b>
Box 31	<b>Pyramid Project - Margaret Silbar 1964-1966</b>
Box 31	<b>Pyramid Project - Dr. Becker Colonna 1966</b>
Box 31	<b>Pyramid Project - K. Mendelssohn 1966-1968</b>
Box 32	<b>Pyramid Project - Requests for Articles, etc. 1966-1967</b>
Box 32	<b>Pyramid Project - Applications 1965-1967</b>

---

---

Box 32	<b>Pyramid Project - Miscellaneous 1966-1968</b>
Box 32	<b>Pyramid Project - Miscellaneous 1969-1970</b>
Box 32	<b>Pyramid Project - Miscellaneous 1971-1972</b>
Box 32	<b>Egyptian Letters 1964-1973</b>
Box 32	<b>Atomic Energy Commission (AEC) Letters 1965-1972</b>
Carton 32	<b>Lawrence Radiation Laboratory</b>
Box 32	<b>McMillan correspondence - Alvarez resignation as Associate Director of Lawrence Radiation Lab 1959</b>
Box 32	<b>McMillan correspondence - Other issues 1963-1968</b>
Box 32	<b>R. L. Thornton correspondence 1961-1962</b>
Box 32	<b>Andrew Sessler correspondence re: Charles Schwartz controversy 1973-1974</b>
Box 33-41	<b>Correspondence: Individuals and Institutions Undated</b>
Box 33	<b>A-C 1978-1988</b>
Box 34	<b>Arthur C. Clarke 1972-1987</b>
Box 34	<b>D 1978-1987</b>
Box 34	<b>Philip M. Dauber 1973-1974</b>
Box 34	<b>E-F 1978-1987</b>
Box 35	<b>G 1978-1987</b>
Box 35	<b>Senator John Glenn 1982</b>
Box 35	<b>H 1978-1987</b>
Box 35	<b>Afzaal Hussain 1956-1981</b>
Box 35	<b>I 1978-1987</b>
Box 35	<b>International Business Machines (IBM) Suit 1974-1976</b>
Box 36	<b>J-L 1978-1987</b>
Box 37	<b>M 1978-1987</b>
Box 37	<b>Mc 1978-1987</b>
Box 37	<b>Michelson - Morley Centennial Celebration 1987</b>
Box 37	<b>N 1978-1987</b>
Box 38	<b>"Nut" File 1956-1985</b>
Box 39	<b>O 1978-1987</b>
Box 39	<b>Osborne - Goodman 1975</b>
Box 39	<b>P 1978-1987</b>
Box 39	<b>Physics Today 1978-1987</b>
Box 39	<b>Princeton - Washington meeting 1981</b>
Box 39	<b>University of the Punjab, India and Pakistan 1979-1985</b>
Box 39	<b>R 1978-1987</b>
Box 40	<b>S 1978-1987</b>
Box 40	<b>Smithsonian Institution 1977-1986</b>
Box 40	<b>Donald M. Stuart 1978-1979</b>
Box 40	<b>T 1978-1987</b>
Box 40	<b>Peter Trower 1980-1987</b>
Box 40	<b>U 1978-1987</b>
Box 40	<b>V 1978-1987</b>
Box 41	<b>W 1978-1987</b>
Box 41	<b>Steven Weinberg 1981-1984</b>
Box 41	<b>X-Y-Z 1978-1987</b>
Box 41	<b>Robert J. Yaes 1974-1977</b>
Box 41-45	<b>Pyramid Project: Reports, Notes, and Correspondence 1965-1985</b>
Box 41	<b><i>Search for Hidden Chambers in the Pyramids</i> first draft submitted to <i>Science</i> 1969</b>
Box 41	<b>Alvarez, et al., <i>Search for Hidden Chambers in the Pyramids</i>, <i>Science</i> 1970</b>
Box 41	<b><i>Investigation Chephren Interior using Cosmic-Ray Muons</i>, <i>Science?</i> Undated</b>
Box 41	<b><i>Subsequent Developments, Adventures in Experimental Physics</i>, first draft 1972</b>
Box 41	<b><i>Story of the Search: One Researcher's Personal Account</i> - Luis W. Alvarez, first draft 1972</b>
Box 41	<b><i>V. How the Pyramids were Constructed</i> 1972</b>
Box 41	<b>"<i>Search for Hidden Chambers in the Pyramids</i>," <i>Science</i> 1970</b>

---

---

Box 41	<b>Pyramid pictures Undated</b>
Box 41	<b>Pyramid mailing package, master copy 1970-1974</b>
Box 42	<b>Professor F. El Bedewi 1965-1984</b>
Box 42	<b>Nick Chakakis 1972-1975</b>
Box 42	<b>Ahmed Fakhry 1966-1969</b>
Box 42	<b>Ahmed Fakhry 1970-1974</b>
Box 42	<b>Miscellaneous re UAR - USA Pyramid Project 1961</b>
Box 43	<b>Dr. Gamal Mokhtar 1969-1974</b>
Box 43	<b>Professor Nayel Barakat 1973-1975</b>
Box 43	<b>Zaky Iskander 1975</b>
Box 43	<b>Dr. Lambert Dolphin Jr. of Stanford Research Institute 1972-1977</b>
Box 43	<b>Dr. Amr Goneid 1970-1974</b>
Box 43	<b>Hugo Fellner of Hewlett-Packard (HP) Undated</b>
Box 43	<b>Vice Chancellor Magy El Mahallawy 1971</b>
Box 43	<b>Federation of American Scientists - Public Interest Report 1978</b>
Box 43	<b>Newspaper Clippings re Pyramid project 1968-1969</b>
Box 43	<b>Pyramid Photographs Undated</b>
Box 43	<b>Telegrams 1967-1974</b>
Box 43	<b>"Electromagnetic Sounder Experiments at the Pyramids of Giza" 1975</b>
Box 43	<b>Pyramid Transparencies and Photographs Undated</b>
Box 44	<b>Pyramid Project 1970-1985</b>
Box 44	<b>Pyramid reports, correspondence, clippings 1973-1976</b>
Box 44	<b>Smithsonian Institution Travel 1967-1970</b>
Box 44	<b>SRI - Pyramid Project 1973-1974</b>
Box 44	<b>William T. Golden 1965-1962</b>
Box 44	<b>First Report - Pyramid Project, first draft 1966</b>
Box 44	<b>Pyramid Project - Washington Meeting 1969</b>
Box 44	<b>Cheops Boat Project 1974</b>
Box 44	<b>Visa letters - United Arab Republic (UAR) 19681-1969</b>
Box 44	<b>Sayed Abdel-Wahab, report 1970-1971</b>
Box 44	<b>Pyramid File - Miscellaneous 1966-1984</b>
Box 44	<b><i>Nouvelles Recherches Sur la Grande Pyramide</i>, J. Bruchet 1967</b>
Box 45	<b>Pyramid Project Log Book (Photographs) 1968</b>
Box 45-46	<b>Conferences and Symposia 1963-1986</b>
Box 45	<b>Abstracts Received for Siena Conference 1963</b>
Box 45	<b>Siena Conference Notes 1963</b>
Box 45	<b>Conference on Solar Neutrinos, UC-Irvine 1972</b>
Box 45	<b>Proceedings, Solar Neutrino Conference 1972</b>
Box 45	<b>International Astronautical Federation, Tokyo Meeting; CETI Review Session 1980</b>
Box 45	<b>Linear Accelerator (LinAc) Conference Pictures 1986</b>
Box 45	<b>Albert Einstein Symposium, Jerusalem 1978-1979</b>
Box 46	<b>Symposium to consider Technical Solution of Vietnam War Problems, Puerto Rico 1966</b>
Box 46	<b>Spring General Meeting of Science Advisory Board, Colorado Springs 1966</b>
Box 46	<b>Symposium on Accelerator Mass Spectrometry, Argonne National Laboratory 1981</b>
Box 46	<b>Woods Hole New Directions Symposium 1982</b>
Box 46	<b>Autobiography 1972</b>
Box 46	<b>Autobiography, pages 1-629 1972</b>
Box 46	<b>Autobiography, pages 650-739 1972</b>
Box 47-48	<b>Outgoing Correspondence 1982-1988</b>
Box 47	<b>Outgoing Correspondence 1982-1985</b>
Box 48	<b>Outgoing Correspondence 1986-1988</b>
Box 49-51	<b>Kennedy Assassination 1975-1986</b>
Box 49	<b>LBL-3884 Kennedy Assassination Film 1975</b>

---

---

Box 49            **Assassination of President John F. Kennedy Correspondence 1980-1982**  
Box 50            **Committee on Ballistic Acoustics (Ramsey - National Academy of Sciences Panel) correspondence 1980-1986**  
Box 50            **Transparencies re JFK Assassination Undated**  
Box 50            **Photographs related to JFK Assassination Investigation Undated**  
Box 51            **Kennedy Assassination 1975-1982**  
Box 51            **Investigation of Assassination of JFK (Appendix to Hearings before 95th Congress 1979**  
Box 51            **Miscellaneous re Assassination of JFK Investigation Undated**

Box 51            **Bubble Chambers 1955-1987**  
Box 51            **Bubble Chamber Photographs Undated**  
Box 51            **High Efficiency, Self-contained Liquid Expansion System for 72" Bubble Chamber 1955**  
Box 51            **"Low-temperature Bubble Chamber" - N. C. Barford 1960**  
Box 51            **"Introduction to the Detection of Nuclear Particles in a Bubble Chamber" 1964**

Box 52-54        **Professional Associations 1959-1988**  
Box 52            **JASON / MITRE / SRI International 1960-1987**  
Box 52            **JASON Air Traffic Control (ATC) Panel Correspondence 1959-1969**  
Box 53            **JASON ATC Panel (ATC "Truth and Consequences") 1968**  
Box 53            **JASON ATC Panel (Design for National Airspace Utilization System) 1962**  
Box 53            **JASON ATC Panel (Airport Capacity Criteria used in Preparing the National Airport Plan) 1968**  
Box 53            **JASON ATC Panel (Civil Aviation Research and Development) 1968**  
Box 53            **JASON ATC Panel (Genealogy of Terminal ATC Automation) 1969**  
Box 53            **JASON ATC Panel (Project Beacon) 1961**  
Box 53            **JASON Travel 1962-1972**  
Box 53            **President's Science Advisory Committee (PSAC) 1970s**  
Box 53            **Joint PSAC - STAC Meeting, Cape Kennedy 1969**  
Box 53            **Science and Technology Advisory Committee (STAC) Meeting, Houston 1969**  
Box 53            **Science Advisory Committee - Lawrence Livermore Laboratory (LLL) / Los Alamos Science Laboratory 1980**  
Box 54            **Institute for Defense Analyses (IDA) 1961-1968**  
Box 54            **IDA 1969-1973**  
Box 54            **National Academy of Engineers (NAE) 1968-1988**  
Box 54            **National Academy of Scientists (NAS) 1967-1986**

Box 55-57        **Monopoles and Publications on Physics 1947-1983**  
Box 55            **Correspondence re Monopoles 1962-1972**  
Box 55            **Correspondence re Monopoles 1975-1976**  
Box 55            **Correspondence re Monopoles 1977**  
Box 55            **Correspondence re Monopoles 1978**  
Box 55            **Correspondence re Monopoles 1982**  
Box 55            **"Monopoles" in the Sun, *Why does the sun sometimes look like a magnetic monopole?* 1972, 1981**  
Box 55            **Newspaper and magazine articles re Monopoles 1962-1982**  
Box 55            **Notes for Replies to Buford Price's Talks on Monopoles Undated**  
Box 55            **Buford Price's Monopole Notes for my Stanford Talk 1975**  
Box 55            **Monopole Talk Transparencies, Stanford Conference 1975**  
Box 55            **Abstracts and Papers re Magnetic Monopoles 1960-1975**  
Box 55            ***A Proposal to Search for Magnetic Monopoles in Returned Moon Surface Materials* 1968**  
Box 55            **Physics Notes on Magnetic Monopoles 1964-1981**  
Box 56            **Physics Text Chapters I - IX c. 1952**  
Box 56            **Physics Text Chapter XI Undated**  
Box 56            **Physics Text Chapter XIV - XV Undated**  
Box 56            **Miscellaneous Notes for Physics Text 1953**  
Box 56            **References - A. Ashmore, et al 1957**  
Box 56            **References - V. B. Belyaev, et al 1959**  
Box 56            **References - J. A. Crawford Undated**  
Box 56            **References - V. P. Dzhelepov, et al 1965**  
Box 56            **References - F. C. Frank 1947**  
Box 56            **References - S. S. Gershtein 1958**

---

---

Box 56	References - C. Hayashi, et al 1957
Box 56	References - J. D. Jackson 1957
Box 56	References - H. Marschall and T. Schmidt Undated
Box 56	References - E. McMillan 1957
Box 56	References - A. K. Mihul and M. G. Petrashcu 1958
Box 56	References - Primakoff 1956
Box 56	References - Rosenfeld 1957
Box 56	References - M. Shimizu, et al 1958
Box 56	References - H. K. Ticho 1957
Box 56	References - Tornabene 1957
Box 56	References - S. Vuccino 1958
Box 56	References - I. B. Zeldovich 1954-1957
Box 57	Published Papers on Monopoles 1963-1970
Box 57	Miscellaneous re Monopoles 1964-1976
Box 57-60	<b>Awards 1968-1987</b>
Box 57	National Academy of Engineers (NAE) 24th Election 1968-1987
Box 57	Wright Prize - Harvey Mudd College 1980-1985
Box 57	National Inventors Hall of Fame 1978
Box 57	John J. Carty Medal and Award for the Advancement of Science - National Academy of Sciences (NAS) 1972-1975
Box 57	Dr. Frank T. Solmitz 1969-1971
Box 57	Ernest Orlando Lawrence Memorial Award 1970
Box 57	1979 Nobel Prize Nomination Undated
Box 57	National Academy of Sciences (NAS) - Voluntary Nominating Group and Fermi Award re Dr. Seth Neddermeyer 1980
Box 57	Fermi Award 1981
Box 57	1987 Nobel Prize Nomination 1985-1986
Box 58	Lists [of Congratulatory Letter Senders] re Nobel Prize 1968-1969
Box 58	A-Y 1968-1969
Box 58	Others 1968-1969
Box 59	Photographs for Science Nobel article Undated
Box 59	Other telegrams and phone messages 1968
Box 59	Telegrams A - Z 1968
Box 59	Stockholm Official Visit 1968-1969
Box 59	Nobel Acceptance pictures and negatives Undated
Box 59	Miscellaneous re 1968 Nobel Prize Undated
Box 59	Requests for Photographs and Autographs 1969-1975
Box 59	Nobel Celebration 1971-1975
Box 59	"The Nobel Tradition at Berkeley" 1984
Box 60	NASA Particle Physics Project (Alvarez Project), UCRL Memoranda 1-65 [Missing 20, 32, 37, 38, 42-44, 46, 51-54, 56, 58, 62-64] [6 folders] 1965-1968
Box 60	Outline of Remarks by Lloyd and Colombe Undated
Box 60-64	<b>Photographs, Publications, and Reports</b>
Box 60	HAPPE - 1 Gondola Flight Report 1967
Box 60	NCAR Balloon Flight No. 233-P launched 1966
Box 60	Photographs, Cosmos 135 and Cosmos 213 Undated
Box 60	Photographs - Miscellaneous Undated
Box 61	Publications Collected [by others] 1960s-1980s
Box 62	Publications Collected 1980s
Box 63	Publications Collected 1960s-1980s
Box 64	Publications Collected [27 folders] 1947-80s; including Fermi's <i>Lectures on Pions and Nucleons</i> 1955
Box 65-66	<b>Professional Associations 1958-1986</b>
Box 65	K-Tec II Meeting, Ottawa, Canada 1981
Box 65	Nemesis Transparencies 1985

---

- 
- Box 65 "Extinction of Species by Asteroid Impacts," 1984 by Davis, Hut & Muller 1984  
Box 65 C-14 Dating by Activation of C14 to C15 or N17 by Deuterons or ('s Respectively Undated  
Box 65 Energy Study Group 1974  
Box 65 American Physical Society (APS) - Division of Cosmic Physics correspondence 1974-1975  
Box 65 American Institute of Physics (AIP) correspondence 1975-1979  
Box 65 American Association for the Advancement of Science (AAAS) correspondence 1980  
Box 65 National Commission on Space correspondence and reports 1985-1986  
Box 65 Physical Science Study Committee films 1958  
Box 65 Optical Society of America correspondence 1972-1981  
Box 65 National Academy of Sciences (NAS) Committee on Rocket - Satellite Research 1965  
Box 65 Spaceshop Workshop 1979-1980  
Box 65 Scientists and Engineers for Secure Energy correspondence 1981  
Box 65 White House Science Panel (Packard Panel) 1984  
Box 65 UCB White Mountain Research, Committee on Astronomy Advisory...draft proposal 1970-1971  
Box 66 Lawrence Berkeley Laboratory (LBL) 50th Anniversary Minutes of Meetings 1980-1981  
Box 66 *Proceedings of the Celebration of the 50th Anniversary of LBL* 1981  
Box 66 Moon Pictures Undated  
Box 66 Photographs - Lunar Landing 1969  
Box 66 Radon from the Moon Undated
- Box 66-68 **Writings and Correspondence 1948-1988**  
Box 66 *Currents* 1980  
Box 66 *Europhysics News* 1984  
Box 66 *Miscellaneous Articles, Europhysics News* 1985-1987  
Box 66 *Miscellaneous - The Magnet* 1963  
Box 66 *The Magnet* 1965  
Box 66 *The Magnet* 1967  
Box 66 *Miscellaneous Articles - Nature Physical Science* 1973  
Box 66 *Miscellaneous Articles - New Scientist* 1988  
Box 66 *Miscellaneous Articles - New York Times Magazine* Undated  
Box 66 *Miscellaneous Articles - Physical Review Letters* 1966, 1984-1987  
Box 66 *Miscellaneous Articles - Physics Today* 1980-1988  
Box 66 *Miscellaneous Articles - Science* 1980-1988  
Box 66 *Science* 1970  
Box 66 *Proceedings of the Royal Society, Series A, Heavy Mesons Issue* 1954  
Box 66 William M. Brobeck [recommendation for honorary doctorate] 1948-1970  
Box 66 Piccioni file [Nobel Prize lawsuit] 1952-1972  
Box 66 Memorandum 45 - Cerenkov Radiation in Freon-12, (R. Muller) 1967  
Box 66 Memorandum 744 - Properties of Xenon (T. Mast) 1972  
Box 66 Memorandum 769 - Stopping Distances for e- in H2O and Liquid Xe (L. Miller) 1973  
Box 67 AECU-663, Range-Energy Curves 1951  
Box 67 *Miscellaneous University of California Radiation Laboratory (UCRL) Publications* 1948-1965  
Box 68 *Miscellaneous UCRL Publications* 1966-1971  
Box 68 *Miscellaneous Lawrence Berkeley Laboratory (LBL) Publications* 1973, 1984  
Box 68 SSL [Space Sciences Laboratory] Series 12, Issue 47 [by Smith, Buffington, Wahlig and Dauber] 1971  
Box 68 *Miscellaneous Papers by Peers at Lawrence Berkeley Laboratory (LBL)* 1956-1962
- Box 68-71 **Professional Associations: Correspondence and Reports 1945-1981**  
Box 68 *Special Relativity (Trip to Brazil)* 1971  
Box 69 *Hearings before Subcommittee on Research and Development, 85th Congress, Second Session* 1958  
Box 69 *Hearing before the Joint Committee on Atomic Energy* 1963  
Box 69 *Hearings before Joint Committee on Atomic Energy, 91st Congress, First Session* 1969  
Box 69 *Miscellaneous Photographs* Undated  
Box 69 [Untitled Photograph] Undated  
Box 69 *Miscellaneous Notes, includes Physics Notes, Lawrence Radiation Laboratory* 1974  
Box 69 *Miscellaneous - [other]* 1949-1968  
Box 70 *Alvarez Group Scanning Training Memorandum* 1968
-

---

Box 70	<b>Group A Scanning Training Manual Undated</b>
Box 70	<b>Mass of Neutrino 1950-1969</b>
Box 70	<b>Fragment of First [Scan] Idea for Drill Cores (Iridium) Undated</b>
Box 70	<b>Historical Correspondence and Manpower Budget (Isotope Experiment) 1971</b>
Box 70	<b>Federal Aviation Administration (FAA) correspondence 1966-1967</b>
Box 70	<b>Conflicts of Interest [includes Alvarez letters] 1960s</b>
Box 70	<b>Correspondence re J. S. Foster Radiation Laboratory at McGill University, 30th Anniversary 1976</b>
Box 70	<b>Correspondence re Variable Focal Length Lens Attachment (Kodak) 1976</b>
Box 70	<b>[Unmarked, untitled computer printouts] 1969-1970</b>
Box 71	<b>Personnel Security Questionnaire 1949-1970s</b>
Box 71	<b>Q Clearance 1979-1981</b>
Box 71	<b>Walter Alvarez [letters from Luis Alvarez] 1945-1977</b>
Box 71	<b>China Trip 1973</b>
Box 71	<b>Large Concrete Linear Storage Facilities 1977</b>
Box 71	<b>Lecture Invitations 1982-1985</b>
Box 71	<b>Problem Sets for Physics 129-A, 129-B 1952-1953</b>
Box 71-74	<b>Bio-bibliographical Materials 1947-1987</b>
Box 71	<b>LWA Personal Miscellaneous 1947-1948</b>
Box 71	<b>LWA Biography - Introduction - Lists of Patents 1966-1984</b>
Box 71	<b>Photocopies of UCRL Library cards of LWA Papers Undated</b>
Box 71	<b>LWA Publications Lists Undated</b>
Box 72	<b>LWA Publications 2-83 [Numbered according to LWA Publication List] 1933-1964</b>
Box 73	<b>LWA Publications 84-125 [Numbered according to LWA Publication List] 1965-1973</b>
Box 74	<b>LWA Publications 126-171 [Numbered according to LWA Publications List] 1975-1984</b>
Box 74	<b>UCRL-328 A Proposed Experimental Test of the Neutrino Theory 1979</b>
Box 74	<b>UCRL-3648 Abstract Lifetime of K Mesons - L. W. Alvarez 1957</b>
Box 74	<b>Status Report on New Particles - L. W. Alvarez Undated</b>
Box 74	<b>Anomalous Nuclear Scattering of 2.8 MeV Photons by Carbon Undated</b>
Box 74	<b>Introduction [to XXXII Course of Enrico Fermi International School of Physics] Undated</b>
Box 74	<b>Some Thoughts on Monopoles - L. W. Alvarez 1982</b>
Box 74	<b>Experimental Evidence for Existence of Magnetic Monopoles with <math>M(6.7 \times 10 \text{ GeV}/c^2)</math> - L. W. Alvarez Undated</b>
Box 74	<b>LBL-22554 Rev "History of Proton Linear Accelerators" - L. W. Alvarez 1986-1987</b>
Box 74	<b>Experience with a Large Hydrogen Bubble Chamber - L. W. Alvarez 1961</b>
Box 74	<b>LBL--22786 Mass Extinctions Caused by Large Bodile Impacts 1987</b>
Box 74	<b>Inverse ( by (- Bombardment - L. W. Alvarez Undated</b>
Box 74	<b>(( Lifetime by Neutron time-of-flight Undated</b>
Box 74	<b>Notes on Fundamentals of High Energy Physics - Accelerators III ["Modern Physics for Scientists and Engineers" lectures 2 &amp; 3] 1952-1958</b>
Box 74	<b>Wire Position Indicator for Wire-Orbiting Measurements 1961-1962</b>
Box 75-77	<b>Research: Experiment Notes, Logs, and Reprints 1933-1971</b>
Box 75	<b>Research Notes 1934-1936</b>
Box 75	<b>Slow Neutron Beam Experiments 1937-1938</b>
Box 75	<b>Magnetic Moment of Neutron I 1939</b>
Box 75	<b>Magnetic Moment of Neutron II 1939-1940</b>
Box 75	<b>Magnetic Moment of Neutron Notes Undated</b>
Box 75	<b>LWA Log Book #10 1947-1948</b>
Box 75	<b>LWA Log Book #11 1948-1949</b>
Box 75	<b>LWA Log Book #12 1949</b>
Box 76	<b>LWA Log Book #13 1949-1951</b>
Box 76	<b>LWA Log Book #14 1949-1951</b>
Box 76	<b>LWA Log Book #15 1951-1952</b>
Box 76	<b>LWA Log Book #16 1951-1952</b>
Box 76	<b>LWA Log Book #18 1951-1955 LWA Log Book #18</b>
Box 77	<b>LWA Log Book #7 1953</b>
Box 77	<b>Record of 10" Bubble Chamber Assembly 1955-1956</b>

---

---

Box 78	<b>Reprints Undated</b>
Carton 1-2	<b>Professional Associations, Consulting, Correspondence 1938-1987</b>
Carton 1	<b>Reprints 1933-1952</b>
Carton 1	<b>Bohemian Club 1951-1985</b>
Carton 1	<b>Physics Department 1952-1970</b>
Carton 1	<b>Regents' Professorships and Leaderships 1954-1957</b>
Carton 1	<b>Bio-Bibliography 1954-1983</b>
Carton 1	<b>Hewlett-Packard (HP) 1957-1987</b>
Carton 1	<b>Non-Project Travel 1961-1965</b>
Carton 1	<b>Optic Technology Inc 1961-1967</b>
Carton 1	<b>Cryonetics Corporation 1962-1965</b>
Carton 1	<b>Personal Files 1963-1967</b>
Carton 1	<b>IBM 1965-1970</b>
Carton 1	<b>Physics Department Forms 1967-1973</b>
Carton 1	<b>Society for the Friends of Count Agoston Haraszthy 1967</b>
Carton 1	<b>FAA 1969-1970</b>
Carton 1	<b>ARF (Archaeological Research Faculty) 1971</b>
Carton 1	<b>Brazil Trip - September 1971 Correspondence 1971-1972</b>
Carton 1	<b>Lawrence Hall of Science Advisory Committee 1975-1983</b>
Carton 1	<b>Miscellaneous (Bohemian Club, Optical Society) 1984-1987</b>
Carton 1	<b>Publications 1938-1967</b>
Carton 1	<b>Evaluation of The Instrumentation Tube Program 1952</b>
Carton 1	<b>Personal 1952-1964</b>
Carton 1	<b>Reprints 1956</b>
Carton 1	<b>Examinations 1960-1970</b>
Carton 1	<b>The 49th Annual Facility Research Lecture 1962</b>
Carton 1	<b>1660- Mev Yi *Hyperon* 1963</b>
Carton 1	<b>Science and Washington Politics (1 of 3) 1963-1965</b>
Carton 1	<b>Newspaper Clippings 1963-1981</b>
Carton 1	<b><i>A Pseudo Experience in Parapsychology" and Parapsychology and Spontaneous Cases" 1965</i></b>
Carton 1	<b>Personal files 1965-1970</b>
Carton 1	<b>Personal miscellaneous 1976-1985</b>
Carton 1	<b>Kenneth Larson publications 1967-1968</b>
Carton 1	<b>Recent Developments in Particle Physics 1969</b>
Carton 1	<b>Ernest Orlando Lawrence 1901-1958, biographical memoir 1970</b>
Carton 1	<b>Search for Magnetic monopoles in the lunar sample of Apollo II 1970</b>
Carton 1	<b>A Liquid Xenon Radioisotope Camera 1972</b>
Carton 1	<b>Diary: <i>Trip to China</i>" 1973</b>
Carton 1	<b>Experimental Evidence that an Asteroid Impact led to the Extinction of Many Species 65 million years ago 1982</b>
Carton 1	<b>Annual Meeting of the National Academy of Science: speech 1982</b>
Carton 1	<b>Professor Ryokichi Sagane Personal Collection Undated</b>
Carton 2-4	<b>Diaries, Notebooks, Photographs, Textbooks 1943-1988, Undated</b>
Carton 2	<b>Egyptian Pyramids Undated</b>
Carton 2	<b>"X-ray" Plot Pictures Undated</b>
Carton 2	<b>Nobel Prize: photographs/negatives Undated</b>
Carton 2	<b>25th Anniversary Undated</b>
Carton 2	<b>Lawrence Radiation Laboratory Award: Hydrogen Bubble Chambers 1966</b>
Carton 2	<b>Math notebook Undated</b>
Carton 2	<b><i>The Topstone</i>, Kenneth Lloyd Larson Undated</b>
Carton 2	<b>Diaries 1942-1984</b>
Carton 3	<b>Draft for physics textbook Undated</b>
Carton 3	<b><i>The question of the correlation between photons in coherent light rays</i> Undated</b>
Carton 3	<b>Laser Activated Hearing Aid idea 1985</b>
Carton 3	<b>Photographs 1947</b>
Carton 3	<b>William Hynes Correspondence Undated</b>

---

Carton 3      **Autobiography 1987**

Carton 3      **Draft for Alvarez, Adventures of a Physicist 1987**

Carton 3      **Untitled autobiographical draft Undated**

Carton 3      **Correspondence 1943-1945**

Carton 3      **Correspondence, including one letter dated Oct. 8, 1945 regarding the first test of an atomic device at Alamogordo, south of Los Alamos and aboard another B - 29 following the bomber "Enola Gay" as it dropped the first atomic bomb on Hiroshima, Japan 1943-1945**