Guide to the Frank Oppenheimer Papers, 1902-1985

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Collection number: BANC MSS 98/136 c

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Juliet Demeter and Ania Laszcz
Date Completed:
April 2002
Encoded by:
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Collection Summary

Collection Title: Frank Oppenheimer Papers,

Date (inclusive): 1902-1985

Collection Number: BANC MSS 98/136 c

Creator: Oppenheimer, Frank, 1912-1985

Extent: Number of containers: 4 cartonsLinear feet: 5.0

Repository: The Bancroft Library
Berkeley, California 94720-6000

Abstract: Consists of correspondence, writings, along with professional and personal papers reflecting his career in scientific research and his role as a pioneer in science education. Also included are materials regarding his investigation by the U.S. Congress House Committee on Un-American Activities, and correspondence, writings and biographical materials about his brother J. Robert Oppenheimer, theoretical physicist and director of the Manhattan Project, the U.S. government's program to develop the atomic bomb. The bulk of this collection relates to Frank Oppenheimer's professional and academic research in the fields of education and physics in the years prior to his founding of the Exploratorium, the highly innovative, hands-on science museum in San Francisco, Calif., in 1969.

Physical Location: For current information on the location of these materials, please consult the Library's online catalog.

Languages Represented: English

Access

Collection is open for research, with the following exception:

One folder of letters, restricted until April 2032.

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Preferred Citation

[Identification of item], Frank Oppenheimer papers, BANC MSS 98/136 c, The Bancroft Library, University of California, Berkeley.

Title: Exploratorium Records, 1957-[on-going],

Identifier/Call Number: BANC MSS 87/148 c

Acquisition Information

The Frank Oppenheimer Papers were given to The Bancroft Library by Michael and Judith Oppenheimer on December 12, 1997.

Funding

Funding partially provided by a grant from the American Institute of Physics.

Biographical Sketch

Frank Friedman Oppenheimer was born on August 14, 1912 in New York City. After graduation from Johns Hopkins University in 1933, he spent a year and a half at Ernest Rutherford's Cavendish Laboratory in Cambridge researching natural radioactivity. For a period in 1935, he worked on the development of nuclear particle counters at the Institute di Arcetri, Florence, Italy.

In 1936, Oppenheimer married Jaquenette Quann, then a student at Berkeley. After earning his Ph.D. from the California Institute of Technology in 1939, he conducted post-graduate research in neutron physics at Stanford. From 1941-1945, he worked in the University of California Radiation Laboratory on uranium isotope separation with Ernest O. Lawrence. In 1945 Oppenheimer joined the Manhattan Project, the secret government program to develop the atomic bomb, which was directed by his brother J. Robert Oppenehimer. He served first at Oak Ridge National Laboratory, Oak Ridge, Tennessee and later at Los Alamos National Laboratory in New Mexico as deputy to Kenneth Bainbridge, the physicist in charge of testing the atom bomb. After the war, Oppenheimer returned to UC Berkeley where he worked with Luis Alvarez and Wolfgang Panofsky on the development of the proton linear accelerator.

In 1947, Oppenheimer was appointed Assistant Professor at the University of Minnesota where he taught and conducted research on the origin of cosmic rays. In 1949, he and his wife were called before the United States Congress House Committee on Un-American Activities (HUAC) to defend charges that they had been members of the Communist Party. In his appearance before HUAC, Oppenheimer admitted his former involvement with the Party, but refused to name others. He was forced to resign his post at the university. Unable to secure a teaching or research position, and denied a passport by the U.S. government to travel abroad for work, the Oppenheimers moved to Pagosa Springs, Colorado where they started a cattle ranch.

He began teaching science at Pagosa Springs High School in 1957 and two years later was offered a position at the University of Colorado teaching and conducting research in high-energy particle physics. While at the University of Colorado, Oppenheimer began to shift his focus toward developing improvements in science education, which culminated in the award of a grant from the National Science Foundation to develop new methods for teaching introductory physics. He designed a "Library of Experiments," a series of nearly one hundred models of classical laboratory experiments to be used in conjunction with course assignments to teach physical phenomena to students.

Oppenheimer was awarded a Guggenheim Fellowship in 1965 to study the history of twentieth-century physics and to conduct bubble chamber research at University College, London. Inspired by his visits to European science museums, he began to develop a plan for creating a similar learning center in the U.S. His goal was to open a museum for the general public that would make learning about science and technology accessible to everyone through hands-on exhibits and demonstrations.

In 1969, these goals were realized with the opening of the Exploratorium at the Palace of Fine Arts in San Francisco, California. This interactive museum of art, science, and human perception was based on Oppenheimer's philosophy that the wonders of science should be fun, accessible, and lead people of all ages to a greater understanding of humanity and to the world around them. He served as director of the museum for the next 16 years and was involved in practically every aspect of the Exploratorium's operation.

Frank Oppenheimer died at his home in Sausalito on February 3, 1985.

1912	Born August 14 in New York City.
1930	Graduates from the New York Ethical Culture Society's Fieldston School.
1933	B.A., Johns Hopkins University.
1933-1935	Research Assistant, Cavendish Laboratory, Cambridge.
1935	Research assistant, Institute di Arcetri, Florence, Italy.
1939	Ph.D., California Institute of Technology.
1939-1941	Research Assistant, Stanford University.
1941-1947	Research Associate, Radiation Laboratory, University of California, Berkeley.
1942-1945	Research Associate, Manhattan Project.
1947-1949	Assistant Professor of Physics, University of Minnesota.
1949-1959	Rancher, Pagosa Springs Colorado.
1957-1959	High school science teacher, Pagosa Springs, Colorado.
1959-1961	Physics teacher, Jeffeson County Schools, Colorado.
1959-1968	Associate Professor of Physics.
1965	Guggenheim Fellowship, University College, London.
1968-1985	Founder and director of the Exploratorium, San Francisco.
1972	Receives Distinguished Service Award, American Association of Physics
1973	Receives Robert A. Millikan Award, American Association of Physics
1975	Receives second Guggenheim Fellowship.
1980	Appointed Professor Emeritus, University of Colorado.
1982	Receives Distinguished Service Award, American Association of Museums.
1984	Receives Oersted Medal, American Association of Physics Teachers.
1985	Dies in San Francisco on February 3.

Scope and Content

The Frank Oppenheimer Papers, 1902-1985, consist of correspondence, writings, professional and personal papers reflecting Oppenheimer's career in scientific research and his role as a pioneer in science education. Also included are materials regarding Oppenheimer's investigation by the United States Congress House Committee on Un-American Activities (HUAC), and correspondence, writings, and biographical materials about his brother J. Robert Oppenheimer, theoretical physicist and director of the Manhattan Project, the United States government's program to develop the atomic bomb. The bulk of this collection relates to Frank Oppenheimer's professional and academic research in the fields of education and physics in the years prior to his founding of the Exploratorium, the highly innovative, hands-on science museum in San Francisco, California, in 1969.

Oppenheimer's correspondence consists primarily of personal letters, but also includes letters to and from many leaders in the field of physics such as Hans Bethe, Sebastien Littauer, and Erwin Marquit. Subsequent to his investigation by HUAC, Oppenheimer was forced to resign his professorship at the University of Minnesota. Many of his colleagues in the U.S. and abroad worked dilligently to convince their own institutions to offer him a position. Letters from Bethe and others indicating these attempts are included in this series.

Among writings included in this collection are drafts of articles and speeches reflecting Oppenheimer's research in atomic physics and his involvement, following the war, in efforts to promote the international control of atomic weapons. Also included are drafts for an unpublished manuscript, written with K.C. Cole, entitled *The Sentimental Fruits of Science,* a series of essays written over the course of his career on a broad range of topics including the arts, science, technology, social justice, and education.

In the years leading up to the development of the Exploratorium, Oppenheimer earned a reputation as an innovator in science education. At the University of Colorado, he and his colleague Malcolm Correll designed the Library of Experiments, a set of permanent laboratory exhibits to aid in the teaching of introductory physics.

Oppenheimer's family papers consist of correspondence, including letters from his brother Robert written between 1925 and 1962. Other materials relating to his brother include correspondence with biographers, writings, clippings, and transcripts for an interview conducted with Frank Oppenheimer for the film *The Day After Trinity.*

In 1949 Oppenheimer and his wife, Jacquenette, were called to testify before the House Un-American Activities Committee. While admitting to their own previous memberships in the Communist Party, the Oppenheimers refused to implicate others during their testimony. Papers relating to this period include correspondence, subpoenas and transcripts of the hearings. Of particular interest are drafts for Oppenheimer's statements to the committee and an essay by Oppenheimer entitled "The Tail that Wags the Dog" about the Oppenheimer's continued harassment by the Federal Bureau of Investigation after the hearings.

Oppenheimer's papers do not include many records related to the Exploratorium. These materials can be found in the Exploratorium Records, BANC MSS 87/148 c.

Carton 1, folders 1-51

Series 1: **Correspondence, 1932-1985, n.d.**

Scope and Content Note

Arrangement

Arranged alphabetically, then chronologically.

Divided into 2 sub-series: Incoming and Outgoing. Both sub-series include personal and professional correspondence and consist of letters regarding Oppenheimer's research and teaching careers. Includes letters from Hans Bethe, Giuseppe Occhialini and many other leaders in the field of physics.

Subseries 1.1: **Incoming, 1945-1985, n.d.**

carton 1, folder 1	**A miscellaneous 1950-1983**
carton 1, folder 2	**B miscellaneous, including 1949-1984, n.d.**
	Bethe, Hans Albrecht, 1906-
	Bhabha, Homi Jehangir, 1909-1966
carton 1, folder 3	**C miscellaneous 1958-1984**
carton 1, folder 4-5	**Cole, K.C. 1977-1983, n.d.**
carton 1, folder 6	**D miscellaneous 1958-1984, n.d.**
carton 1, folder 7	**Eklund, Sigvard 1947-1977, n.d.**
carton 1, folder 8	**F miscellaneous 1948-1984**
carton 1, folder 9	**G miscellaneous 1960-1984, n.d.**
carton 1, folder 10	**Gould, Jackie 1978-1984, n.d.**
carton 1, folder 11	**H miscellaneous 1958-1984**
carton 1, folder 12	**Hein, Hilde S., 1932- 1977-1984, n.d.**
carton 1, folder 13	**I-J, miscellaneous 1965-1984**
carton 1, folder 14	**K miscellaneous, including 1948-1985**
	Kabir, P. K.
carton 1, folder 15	**Keim, Liz 1981-1985**
carton 1, folder 16	**L miscellaneous, including 1947-1984**
	Littauer, Sebastian B.
carton 1, folder 17	**Lewis, Roger 1945-1983, n.d.**
carton 1, folder 18	**M miscellaneous, including 1960-1984**
	Marquit, Erwin, 1926-
	Morrison, Douglas R. O.
	Morse, Philip P.
carton 1, folder 19	**N miscellaneous 1961-1981**
carton 1, folder 20	**Occhialini, G.P.S. 1976-1982**
carton 1, folder 21	**P miscellaneous 1949-1984**
carton 1, folder 22	**R miscellaneous, including 1963-1983**
	Reali, Mario
carton 1, folder 23	**S miscellaneous, including 1947-1984, n.d.**
	Stannard, Russell
carton 1, folder 24	**T miscellaneous 1968-1984**
carton 1, folder 25	**U-V miscellaneous 1948-1979**
carton 1, folder 26	**University of Colorado at Boulder 1964-1969**
carton 1, folder 27	**W miscellaneous 1947-1983**
carton 1, folder 28	**Y-Z miscellaneous 1974-1983**

Subseries 1.2: **Outgoing, 1932-1984, n.d.**

carton 1, folder 29-51 **Miscellaneous 1932-1984, n.d.**

Carton 1, folders 52-76; Carton 2, folders 1-54 Series 2: **Writings, 1936-1984, n.d.**

Scope and Content Note

Arrangement

Arranged hierarchically, then chronologically.

Divided into 5 sub-series: Books, Articles and Essays, Lectures and Speeches, Book Reviews and Miscellaneous. Throughout this series, untitled writings appear in brackets and have been assigned titles based on their subject.

Subseries 2.1: **Books, 1980-1984**

Scope and Content Note

Books consists of correspondence, contracts, and drafts for *Sentimental Fruits of Science,* which was never published and written with K.C. Cole.

Sentimental Fruits of Science

carton 1, folder 52 **Correspondence 1980-1984**
carton 1, folder 53 **Contract 1982**
carton 1, folder 54-61 **Drafts, Chapters 1-6 1983-1984**
carton 1, folder 62 **Notes 1983-1984**

Subseries 2.2: **Articles and Essays, 1936-1982, n.d.**

Scope and Content Note

Articles and Essays includes drafts and reprints of writings on a range of topics including atomic weapons, education, and other social and political issues.

carton 1, folder 63 **A View from the Top 1936**
carton 1, folder 64 **Prevention of War 1948**
carton 1, folder 65 **The Role of Universities 1948**
carton 1, folder 66 **Recovery ca. 1949**
carton 1, folder 67 **The Freedom to Create 1950**
carton 1, folder 68 **Teaching Mathematics 1958**
carton 1, folder 69 **Science and Fear - *The Centennial Review* 1961**
carton 1, folder 70 **Traffic in Watertown Square 1962**
carton 1, folder 71 **The Character of a University 1964**
carton 1, folder 72 **The Mathematics of Destruction - *The Saturday Review* 1965**
carton 1, folder 73 **Persuasion, Coercion, and Overpowering 1965**
carton 1, folder 74 **Amnesty 1966**
carton 1, folder 75 **Statistics 1966**
carton 1, folder 76 **Stacked Deck - *Colorado Daily* 1968**
carton 2, folder 1 **A War in the Shadow of the H-Bomb - *Bulletin of the Atomic Scientists* 1968**
carton 2, folder 2 **Prediction and Invention 1968**
carton 2, folder 3 **Science and Invention 1968**
carton 2, folder 4 **Science and Immunity - *Scientific World* 1969**
carton 2, folder 5 **Position Paper for the Council on Physics in Education 1972**
carton 2, folder 6 **The Freedom to Create 1982**
carton 2, folder 7 **Reflections After a Trip to New York 1982**
carton 2, folder 8 **An Alternative to Warring n.d.**
carton 2, folder 9 **Analytic Comparison n.d.**
carton 2, folder 10 **Chips and Choices n.d.**
carton 2, folder 11 **Communication: Physicists and Poets n.d.**
carton 2, folder 12 **[Creativity] n.d.**
carton 2, folder 13 **Cultural Procreativity n.d.**

carton 2, folder 14	**Desert People n.d.**
carton 2, folder 15	**Distortion: Bending the Sure Thing n.d.**
carton 2, folder 16	**European Education In the Seventeenth Century n.d.**
carton 2, folder 17	**A Factor of a Thousand n.d.**
carton 2, folder 18	**The Getting Used to the World n.d.**
carton 2, folder 19	**How Would an Angel Look at a Triangle? n.d.**
carton 2, folder 20	**Let the Teachers Teach and the Learners Learn n.d.**
carton 2, folder 21	**Mountain People n.d.**
carton 2, folder 22	**Paris to London n.d.**
carton 2, folder 23	**Science and the Ethics of Coercion n.d.**
carton 2, folder 24	**Science and Moral Responsibility n.d.**
carton 2, folder 25	**[Scientific Progress] n.d.**
carton 2, folder 26	**Simple People n.d.**
carton 2, folder 27	**The Sounds of Science n.d.**
carton 2, folder 28	**Vague Fears and Concrete Worries n.d.**
carton 2, folder 29-33	**Miscellaneous untitled writings n.d.**

Subseries 2.3: **Lectures and Speeches, 1945-1981, n.d.**

Scope and Content Note

The bulk of Lectures and Speeches pertains to issues of world security and atomic weapons and were delivered in the years immediately following the Second World War.

carton 2, folder 34	**The Implications of Atomic Power 1945**
carton 2, folder 35	**Speech to California CIO Council 1945**
carton 2, folder 36	**[Potentialities of Atomic Energy] 1946**
carton 2, folder 37	**Science and Peace 1946**
carton 2, folder 38	**[International Control of Atomic Energy] 1947**
carton 2, folder 39	**[Atomic Energy and World Peace] 1947**
carton 2, folder 40	**Public Welfare in the Atomic Age 1948**
carton 2, folder 41	**Talk Delivered to the Pagosa Springs P.T.A. 1957**
carton 2, folder 42	**Pagosa Springs High School Commencement 1960**
carton 2, folder 43	**Talk delivered to University of Colorado Alumni 1964**
carton 2, folder 44	**The Importance of the Role of Pedagogy in the Developing Nations 1965**
carton 2, folder 45	**Nuclear Film Forum lecture 1981**
carton 2, folder 46	**[Modern Physics and the Atomic Bomb] n.d.**

Subseries 2.4: **Book Reviews, 1968-1982, n.d.**

Scope and Content Note

Book Reviews relate to writings about Oppenheimer's brother J. Robert Oppenheimer, nuclear security issues, and science education.

carton 2, folder 47	**Lawrence and Oppenheimer 1968-1969**
carton 2, folder 48	**The Oppenheimer Case: Security on Trial ca. 1969**
carton 2, folder 49	**Protest and Survive ca. 1982**
carton 2, folder 50	**From Nucleus to Universe n.d.**

Subseries 2.5: **Miscellaneous, 1936-1984, n.d.**

Scope and Content Note

Miscellaneous writings include bibliographies, editorials, and several short essays about J. Robert Oppenheimer.

carton 2, folder 51	**Bibliography 1936-1983**
carton 2, folder 52	**Forward to *Sympathetic Vibrations* by K.C. Cole 1984**
carton 2, folder 53	**Writings about J. Robert Oppenheimer n.d.**
carton 2, folder 54	**Editorials n.d.**

Carton 2, folders 55-75, Carton 3, folders 1-65, Carton 4, folders 1-9

Series 3: **Professional Activities, 1911-1984, n.d.**

Scope and Content Note

Arrangement

Arranged hierarchically, then chronologically.

Divided into 4 sub-series: Teaching, Research, Conferences, and Subject Files.

Subseries 3.1: **Teaching, 1948-1984, n.d.**

Scope and Content Note

Teaching consists of correspondence and course materials relating to Oppenheimer's teaching career and to the Library of Experiments, a set of laboratory experiments he developed at the University of Colorado. These records include proposals, articles, instructions for laboratory experiements and photographs.

carton 2, folder 55 — **Letters of appointment and contracts 1948-1968**

carton 2, folder 56 — **An Introduction to Special Relativity ca. 1960**

The Library of Experiments

carton 2, folder 57-58 — **Proposals 1961-1968, n.d.**

carton 2, folder 59 — **"A Library of Experiments" by Frank Oppenheimer and Malcolm Correll 1964**

carton 2, folder 60 — **"The Library of Experiments at the University of Colorado" 1964**

carton 2, folder 61 — **"Sophomore-Laboratory Experiment on the Viscosity of Air" 1964**

carton 2, folder 62-73 — **Experiments A-Z ca. 1964**

carton 2, folder 74-75 — **Photographs ca. 1964**

carton 3, folder 1-9 — **Laboratory instructions ca. 1964-1976**

Unfragmented Course Program

carton 3, folder 10 — **Proposals 1966-1968, n.d.**

carton 3, folder 11-12 — **Comments by students and professors 1967, n.d.**

carton 3, folder 13 — **San Francisco Art Institute Courses 1980-1984**

carton 3, folder 14 — **Introductory Physics Course n.d.**

Subseries 3.2: **Research, 1944-1970, n.d.**

Scope and Content Note

Research is further divided into Projects and Papers.

Projects

Scope and Content Note

Projects includes materials relating to Oppenheimer's work in physics, and consists primarily of technical papers concerning research on the Berkeley Proton Nuclear Accelerator, cosmic rays, and bubble chambers, as well as correspondence and secrecy orders regarding patents for inventions created by Oppenheimer while under contract to the government. Research notes are also included.

Radiation Laboratory, University of California, Berkeley

carton 3, folder 15 — **Photograph of Radiation Laboratory staff ca. 1947**

carton 3, folder 16 — **Berkeley Proton Linear Accelerator 1953**

Cosmic Ray Research

carton 3, folder 17 — **Apparatus for Cloud Chamber Investigation with Free Balloons 1949**

carton 3, folder 18 — **Permission for travel to Guantanamo Bay, Cuba 1949**

carton 3, folder 19 — **Resolution of the Disagreement Between Measured and Computed Atmospheric Tritium n.d.**

Bubble Chamber Research

carton 3, folder 20 **A Bubble Chamber Study of the Trapping of Λ-Hyperons in Nuclear Matter 1963**

carton 3, folder 21 **Silicon Controlled Rectifier Circuit for the Control of High Wattage Projection Lamps 1964**

carton 3, folder 22 **Λ λ -p Elastic Scattering 1964**

carton 3, folder 23 **Cryptofragment Formation in a Heavy Liquid Bubble Chamber ca. 1964**

carton 3, folder 24 **Bubble Chamber Film Surveys 1966-1970**

carton 3, folder 25 **A Bubble Chamber Study of the Reactions Occuring with Stopping K - Mesons in a Mixture of Propane and Freon 1968**

carton 3, folder 26 **A Bubble Chamber Study of K - Nucleus Interactions at Rest n.d.**

carton 3, folder 27 **Study of the Reaction n.d.**
π Π - + p ⇒ π + + π - + n At 2.36 GeV/c

carton 3, folder 28 **A Bubble Chamber Study of K - Nucleus Interactions at Rest n.d.**

carton 3, folder 29 **Notes on future work on K - capture by nuclei n.d.**

carton 3, folder 30 **Photographs n.d.**

Patents

carton 3, folder 31 **Secrecy orders 1944-1951**

carton 3, folder 32 **Inventions 1955-1959**

Notes

carton 3, folder 33-34 **Research Notes 1944-1951, n.d.**

carton 3, folder 35-38 **Notebooks n.d.**

Papers

Scope and Content Note

Papers includes drafts and published articles regarding his scientific research conducted primarily while at the University of Colorado.

carton 3, folder 39 **Polarization by Reflection and Some Optical Constants in the Extreme Ultraviolet 1962**

carton 3, folder 40 **Absence of Any Temperature Dependence in the Ultraviolet Reflectivity of Platinum and Gold 1962**

carton 3, folder 41 **Apparatus Notes 1963**

carton 3, folder 42 **Baryon Exchange Model in Isobar Production 1964**

carton 3, folder 43 **A Simple Demonstration of the Retinal Evidence Involved in Distance Perception 1965**

carton 3, folder 44 **Enhancements in π - d Interactions at 2.26 GeV/c 1967**

carton 3, folder 45 **Proposal: Cartridge-Film-Procedure Demonstration 1967**

carton 3, folder 46 **Evidence for a I = 5/2 Baryon Resonance of Mass 1640 MeV/c 2 n.d.**

carton 3, folder 47 **Fission Chain Reactions as a Research Tool In Physics n.d.**

carton 3, folder 48 **Isobar Production in the Reaction π - + n ⇒ p + π - at 2.26 GeV/c n.d.**

carton 3, folder 49 **Observation of an I = O π - π + Enhancement in the 1.07 GeV Mass Region n.d.**

Subseries 3.3: **Conferences, 1965-1983**

Scope and Content Note

Conferences consists of programs and lists of conference participants for professional meetings and seminars attended by Oppenheimer.

carton 3, folder 50 **World Federation of Scientific Workers International Symposium on Problems of the Advancement of Science in Developing Countries 1965**

carton 3, folder 51 **Smithsonian Conference on Museums and Education 1966**

carton 3, folder 52 **International Conference on Instrumentation for High Energy Physics 1966**

carton 3, folder 53 **Seminar on the Developing American Assertion of World Control in an Age of Multi-Revolution on All Continents 1967**

carton 3, folder 54 **Miscellaneous 1965-1983**

Subseries 3.4: **Subject Files, 1911-1983, n**

Scope and Content Note

Subject Files include articles by friends colleagues, as well as miscellaneous r files.

carton 3, folder 55-57 **Kenneth T. Bainbridge 1945-1947, n.**
carton 3, folder 58-62 **K.C. Cole n.d.**
carton 3, folder 63 **Hilde Hein n.d.**
carton 3, folder 64-65 **Nuclear Issues 1945-1982, n.d.**
carton 4, folder 1-3 **Physics 1911-1979, n.d.**
carton 4, folder 4 **Radioactivity n.d.**
carton 4, folder 5-6 **Technology 1962-1973, n.d.**
carton 4, folder 7 **Visual Perception 1956-1975, n.d.**
carton 4, folder 8-9 **Victor F. Weisskopf 1956-1983, n.d.**

Carton 4, folders 10-56 Series 4: **Personal Papers, 1902-1985**

Scope and Content Note

Arrangement

Arranged hierarchically and chronologically.

Divided into 3 sub-series: Family Papers, United States Congress House Committee on Un-American Activities, and Biographical Materials.

Subseries 4.1: **Family Papers, 1902-1985, n.d.**

Scope and Content Note

Family Papers consist of correspondence, photographs and materials relating to J. Robert Oppenheimer.

Correspondence

carton 4, folder 10 **Ella Friedman Oppenheimer 1902-1903, n.d.**
carton 4, folder 11 **Julius Oppenheimer 1930-1937, n.d.**
carton 4, folder 12 **J. Robert Oppenheimer 1925-1962, n.d.**
carton 4, folder 13-14 **Jacquenette Oppenheimer n.d.**
carton 4, folder 15 **Katherine Oppenheimer Silber 1973-1976**
carton 4, folder 16 **Peter Oppenheimer 1973-1982, n.d.**

Photographs

carton 4, folder 17 **Unidentified photographs n.d.**

J. Robert Oppenheimer

carton 4, folder 18 **Letters to Herbert W. Smith 1922-1925, n.d.**
carton 4, folder 19-21 **Writings 1945-1965, n.d.**
carton 4, folder 22 **Obituaries 1967, 1972**
carton 4, folder 23-24 **Correspondence regarding J. Robert Oppenheimer 1967-1985, n.d.**
carton 4, folder 25 **"In the Matter of J. Robert Oppenheimer" - playbills and reviews 1969, 1982**
carton 4, folder 26 **Biographical sketches 1976, n.d.**

The Day After Trinity

carton 4, folder 27 **Correspondence 1977-1981**
carton 4, folder 28 **Frank Oppenheimer interview 1979**
carton 4, folder 29 **Transcript 1981**
carton 4, folder 30 **Reviews 1981**
carton 4, folder 31 **Correspondence regarding BBC miniseries *Oppenheimer* 1978-1982**
carton 4, folder 32 ***In the Matter of J. Robert Oppenheimer* by Barton J. Bernstein ca. 1981**
carton 4, folder 33 **Photographs n.d.**

Subseries 4.2: **United States Congress House Committee on Un-American Activities (HUAC), 1947-1983**

Scope and Content Note

United States Congress House Committee on Un-American Activities (HUAC) includes correspondence, subpoenas, hearing transcripts, clippings, and drafts of statements written for his appearance before the committee. Also includes an essay by Oppenheimer, "The Tail that Wags the Dog," about his harrassment by the FBI, as well as an article regarding HUAC's investigation of the Oppenheimers published many years after the hearings.

carton 4, folder 34	**Correspondence 1947-1950**
carton 4, folder 35	**Clippings 1947-1959**
carton 4, folder 36	**Subpoenas 1949-1950**
carton 4, folder 37	**Statements to HUAC ca. 1949**
carton 4, folder 38	**Transcripts of hearings 1949-1952**
carton 4, folder 39	**The Tail That Wags the Dog 1950**
carton 4, folder 40	**"On the Blacklist," by Paul Preuss 1982-1983**

Subseries 4.3: **Biographical Materials, 1912-1984, n.d.**

Scope and Content Note

Biographical materials includes Oppenheimer's birth certificate, curriculum vitae, awards and honors, newsclippings, transcripts, and his will, as well as a biography by K.C. Cole and an undated interview.

carton 4, folder 41	**Birth Certificate 1912**
carton 4, folder 42	**Academic transcripts 1933-1959**
carton 4, folder 43	**Memorabilia 1938-1981, n.d.**
carton 4, folder 44	**Awards and honors 1945-1982**
carton 4, folder 45-47	**Paintings 1950-1980**
carton 4, folder 48	**Clippings 1959-1984**
carton 4, folder 49	**Curriculum vitae ca. 1960**
carton 4, folder 50	**Financial records 1970-1981, n.d.**
carton 4, folder 51	**Legal claims 1971-1980**
carton 4, folder 52	**Health records 1975-1979**
carton 4, folder 53	**Passport 1975**
carton 4, folder 54	**Will 1981**
carton 4, folder 55	**Biography by K.C. Cole n.d.**
carton 4, folder 56	**Los Alamos National Laboratory interview n.d.**