I. I. Rabi

A Register of His Papers in the Library of Congress

Prepared by Joseph Sullivan with the assistance of Kathleen A. Kelly and John R. Monagle



Manuscript Division, Library of Congress

Washington, D.C.

1992

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Latest revision: 2004-12-02

Collection Summary

Title: Papers of I. I. Rabi **Span Dates:** 1899-1989 **Bulk Dates:** (bulk 1945-1968)

ID No.: MSS76467

Creator: Rabi, I. I. (Isador Isaac), 1898-

Extent: 41,500 items; 105 cartons plus 1 oversize plus 4 classified; 42 linear feet

Language: Collection material in English

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

Abstract: Physicist and educator. The collection documents I. I. Rabi's research in physics, particularly in the fields of radar and nuclear energy, leading to the development of lasers, atomic clocks, and magnetic resonance imaging (MRI) and to his 1944 Nobel Prize in physics; his work as a consultant to the atomic bomb project at Los Alamos Scientific Laboratory and as an advisor on science policy to the United States government, the United Nations, and the North Atlantic Treaty Organization during and after World War II; and his studies, research, and professorships in physics chiefly at Columbia University and also at Massachusetts Institute of Technology.

Selected Search Terms

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

Names:

Rabi, I. I. (Isador Isaac), 1898-

Amaldi, Edoardo

Anshen, Ruth Nanda

Bethe, Hans Albrecht, 1906-

Bloch, Felix, 1905-

Bohr, Niels Henrik David, 1885-1962

Bush, Vannevar, 1890-1974

Compton, K. T. (Karl Taylor), 1887-1954

Condon, Edward Uhler, 1902-1974

Darwin, Charles Galton, Sir, 1887-1962

DuBridge, Lee A. (Lee Alvin), 1901-

Einstein, Albert, 1879-1955

Fermi, Enrico, 1901-1954

Finkelstein, Louis, 1895-

Kusch, Polykarp, 1911-

Oppenheimer, J. Robert, 1904-1967

Segrè, Emilio

Strauss, Lewis L.

Szilard, Leo

Urey, Harold Clayton, 1893-

Van Vleck, J. H. (John Hasbrouck), 1899-

Zichichi, Antonino

Zuckerman, Solly Zuckerman, Baron, 1904-

Columbia University--Faculty

Los Alamos Scientific Laboratory

Massachusetts Institute of Technology Faculty

North Atlantic Treaty Organization

United Nations

United States. Arms Control and Disarmament Agency

United States. President's Science Advisory Committee

U.S. Atomic Energy Commission

Pugwash Conference on Science and World Affairs

Subjects:

Atomic bomb

Atomic clocks

Cold War

Developing countries

Lasers

Magnetic resonance imaging

Nobel Prizes

Nuclear energy

Nuclear weapons

Nuclear weapons--Testing

Physics

Population

Radar

Science--International cooperation

Outer space--Exploration--United States

World War, 1939-1945--Science

Aberdeen Proving Ground (Md.)

Occupations:

Educators

Physicists

Administrative Information

Provenance:

The papers of I. I. Rabi, physicist, professor, and Nobel Prize winner, were given to the Library of Congress by Helen N. Rabi, his wife, in 1988.

Processing History:

The Rabi papers are described in Library of Congress Acquisitions Manuscript Division, 1988, pp. 36-68.

Transfers:

A tape of a lecture entitled "Men and Ideas" given by I. I. Rabi at the University of Texas at Austin has been transferred to the Motion Picture, Broadcasting, and Recorded Sound Division of the Library where it is identified as part of these papers.

Copyright Status:

Copyright in the unpublished writings of I. I. Rabi in these papers and in other collections of papers in the Library of Congress is reserved. Consult a reference librarian in the Manuscript Division for further information.

Security Classified Documents:

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

Preferred Citation:

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

Biographical Note

Date 1898, July 29	Event Born Raymanow, Austria-Hungary
1899	Immigrated with mother to America
1919	B.A., Cornell University, Ithaca, N.Y.
1923-1927	Lecturer, City College of New York, New York, N.Y.; candidate for the Ph.D. in physics at Columbia University, New York, N. Y.
1926	Married Helen Newmark
1927	Ph.D., Columbia University, New York, N.Y.
1927-1929	Studied advanced theoretical physics in Europe, especially quantum mechanics, and worked at the Neils Bohr Institute, Copenhagen, Denmark; met J. Robert Oppenheimer
1929	Appointed assistant professor, Columbia University, New York, N.Y.; later became professor and executive officer, Physics Department, and university professor
1930's	Developed experiments using molecular beam technology, first developed in Europe by Otto Stern, to analyze the physical and magnetic properties of the atom
1940-1945	Associate director, radiation laboratory, Massachusetts Institute of Technology, Cambridge, Mass. Consultant on the Manhattan atomic bomb project, Los Alamos, N. Mex.
1944	Nobel Prize in physics in recognition of work in the 1930s regarding properties of the nucleus of the atom
1945	Witnessed first atomic bomb explosion, Alamagordo, N. Mex. (July 16) Returned to Columbia University, New York, N.Y. Published "The Physicist Returns from the War," <i>Atlantic Monthly</i>
1946-1970s	Member, chairman, or advisor to various U. S., United Nations, and North Atlantic Treaty Organization committees regarding atomic energy
1947	Helped found Brookhaven National Laboratory, Long Island, N.Y. Involved with construction of the cyclotron
1954	Testified on behalf of J. Robert Oppenheimer during internal security hearings before Congress
1960	Published, My Life and Times as a Physicist (Claremont, Calif.: Claremont College. 55 pp.)
1963	Published, Science and Public Policy (Haifa: Technion-Israel Institute of Technology. 23 pp.)
1969	Published, with others, Oppenheimer, (New York: Scribner. 90 pp.)
1970	Published, Science: the Center of Culture of Culture (New York: World Publishing Co. 155 pp.)
1988, Jan. 11	Died, New York, N.Y.

Scope and Content Note

The papers of Isidor Isaac Rabi (1898-1988) span the years 1899-1988, with the bulk of the material dated between 1945 and 1968. The collection documents significant but not all portions of Rabi's life, concentrating heavily on his interests during the later stages of World War II, his service on government policy-making committees in the field of nuclear energy during the 1950s and 1960s, and, to a more limited degree, his teaching career. The papers contain correspondence both to and from Rabi, memoranda, minutes of meetings, reports, charts, graphs, press releases, bulletins, invitations, contracts, newspaper clippings, draft and printed copies of speeches, articles and lectures, notebooks, and miscellaneous material. Letters relating to his wife, Helen, and other correspondence are filed in the Miscellany at the end of the collection.

Born of Jewish parentage in 1898 in what is now Poland but at that time part of the Austro-Hungarian empire, Rabi came to America with his mother in the year following his birth. His father, who had come the year before, eventually opened a small grocery store. The younger Rabi grew up in working class areas in Manhattan and Brooklyn and showed great interest in the physical and social sciences, photography, and many other endeavors open to youths of his day with an aptitude for learning. Earning scholarships to Cornell University, he majored in chemistry and was graduated near the top of his class. After failing to win a fellowship to continue his studies in chemistry, Rabi directed his interests to the "irreducibility of matter" and the "whys" of molecular structure rather than observing and recording chemical reactions. He switched his field to physics and entered the doctoral program at Columbia University, supporting himself by teaching and lecturing at the City College of New York.

He received his doctorate in 1927, went to Europe to study quantum mechanics, and then taught quantum mechanics at Columbia. Combining laboratory experiments and teaching during the 1930s, Rabi attained recognition for his studies using the molecular beam and the magnetic resonance method of studying the atom. Publications from these experiments formed the basis for such modern technology as lasers, the atomic clock, and magnetic resonance imaging (MRI) technology. These studies culminated in the Nobel Prize in physics in 1944.

As the world came closer to war in the late 1930s and as fear of Germany and its military intentions spread to America, Rabi joined other leading scientists in pressuring the United States government to fund projects to develop atomic power before Germany gained overwhelming advantages. Taking a leave of absence from Columbia in 1940, he went to the Massachusetts Institute of Technology (MIT) Radiation Laboratory for work in radar and became a consultant to the atomic bomb project at Los Alamos, New Mexico. When the war ended, he worked to persuade the government to develop a science policy for the future that did not separate scientific research from the cultural or political context of American society. His writings during this period, however, indicate that he was not optimistic that politicians would truly understand science, which he termed "the first of the liberating arts."

The General Correspondence series, dated 1927-1987, is chiefly concerned with his career as a teacher, lecturer, and advisor on scientific matters. His correspondents include many well-known figures in the scientific and political communities. Subjects discussed include the importance of education in science and technology, Rabi's work in the development of radar and the atomic bomb, the relationship between science and the humanities in his 1970 publication *Science: the Center of Culture* (see Speech, Article, Writings and Lecture File), and civilian control of atomic energy. Letters and telegrams regarding Rabi's 1944 Nobel Prize in physics are filed in the collection's Miscellany.

The state of physics research in America during the 1920s, the difficulty that Jews faced in securing tenure in academia, Rabi's European experience in the 1920s, and Edward Condon's problems retaining security privileges in the 1950s are discussed in correspondence between Rabi and Condon filed in the <u>General Correspondence</u> series. The "Jewish" question is also discussed in correspondence of Louis Finkelstein who tried to interest Rabi in writing at length on the topic. Physics experiments and math are the subject of letters from Charles G. Darwin, J. H. Van Vlect, and Karl Compton. Polykarp Kusch wrote friendly and informative letters regarding life at institutions other than Columbia University and social, personal and family matters. Robert Oppenheimer sympathized with Rabi's reasons for not entering the program at Los Alamos and expressed gratitude for his interest in helping the program as a consultant.

The <u>Columbia University Office File</u>, 1924-1987, the largest series in the collection, is concentrated in the post-World War II period and related to Rabi's career at Columbia as well as his service as a scientific advisor to numerous government agencies and committees. Files prior to the late 1940s include Rabi's work at the Massachusetts Institute of Technology and the Joint Research and Development Board during World War II. Files between the years 1950 and 1987 concern scientific research

on the national and international level and Rabi's interest in the peaceful uses of atomic energy. A significant portion of the files in this series relate to his work with the United Nations from 1946 to 1979.

Rabi's work with other organizations and committees is documented in such files as "Aberdeen Proving Grounds," "Arms Control and Disarmament Agency" (ACDA), "Atomic Energy Commission," "North Atlantic Treaty Organization," "President's Science Advisory Committee," and "Pugwash International Conference on Nuclear Proliferation." Throughout the files are discussions regarding radar development, conscription of scientists, and strategic use of atomic weapons (Aberdeen files); nuclear test ban (ACDA); attempt to retain Enrico Fermi at Columbia University after the war and population control (Office of Scientific Research and Development); government participation in problems of underdeveloped areas, the reduction of tensions between East and West, using the scientific community to smooth relations between allies, and the government's space program (President's Science Advisory Committee).

Much in the <u>Columbia University</u> series describes Rabi's association with the radiation laboratory at MIT, the Joint Research and Development Board, and the Brookhaven National Laboratories, which he was instrumental in founding. Rabi's efforts in national and international organizations were in large part devoted to developing peaceful uses of atomic energy. Files in this series also relate to the atomic bomb, the nuclear age, the role of NATO, and the United Nations. Rabi's tenure at Columbia University is represented in the Columbia University Internal subseries relating to the administration of the Physics Department, "networking" through other universities to secure students and teachers for a variety of positions, and scientific conferences, meetings, and associations of interest to Rabi as executive officer of the department.

Rabi's thoughts regarding humanism and science, his efforts in arms control, and science and education, though mentioned in his correspondence, are more comprehensively discussed in his speeches and writings in the Speech, Article, Writings, and Lecture File, 1942-1987. Notable files include his article entitled "The Physicist Returns from the War," published in the Atlantic Monthly in 1945, in which he discussed the subordination of pure science to industrial needs, his article on Oppenheimer, and other articles on the atomic bomb and humanism. Technical writings filed with this series relate to the atomic nucleus, various aspects of the electron and magnetic field theories, and molecular beams. Public policy and the government's role in the sciences are subjects of many of Rabi's lectures. His speeches reflect, as do a large part of his articles, his interest in keeping the public aware of science as a useful tool for human affairs.

The <u>Academic File</u>, 1919-1976, documents aspects of Rabi's teaching and lecturing career as well as his student and postdoctoral years. Notebooks relate to his research in the 1930s and include notes generated from lectures given by physicists Otto Stern and Wolfgang Pauli between 1927 and 1929 regarding quantum mechanics and molecular beam theory.

Many items in the <u>Printed Matter</u> series, 1938-1985, supplement files in the <u>Columbia University Office File</u>. Biographical items relating to Rabi and others, including correspondence, academic and other awards, material regarding his Nobel Prize in physics, and correspondence of Rabi's wife, Helen, are among the <u>Miscellany</u> series, 1899-1988. The <u>Lantern Slides and Experimental Apparatus</u>, 1930-1955, <u>Classified Material</u>, 1945-1972, and <u>Oversize</u> series, 1924-1987, complete the collection.

Correspondents include Edouardo Amaldi, Ruth Nanda Anshen, Hans Bethe, Felix Bloch, Niels Bohr, Vannevar Bush, Edward Condon, Lee A. DuBridge, Albert Einstein, Enrico Fermi, Polykarp Kusch, J. Robert Oppenheimer, Wolfgang Pauli, Emilio Segrè, Lewis L. Strauss, Leo Szilard, Harold C. Urey, J. H. Van Vleck, Antonino Zichichi, and Solly Zuckerman.

Organization of the Papers

The collection is arranged in ten series:

- General Correspondence, 1925-1987, n.d.
- Columbia University Office File, 1924-1987, n.d.
- Speech, Article, Writings, and Lecture File, 1928-1987, n.d.
- Academic File, 1919-1976, n.d.
- Printed Matter, 1938-1985, n.d.
- Miscellany, 1899-1988, n.d.
- Lantern Slides and Experimental Apparatus, ca. 1930-1950
- Oversize, 1942-1987
- Classified, 1945-1972
- NATO Classified, 1958-1968

Description of Series

Container Series

BOX 1-9 General Correspondence, 1925-1987, n.d.

Mostly letters received, with attachments, together with some letters sent. Arranged alphabetically by name of correspondent and chronologically therein.

BOX 10-60 Columbia University Office File, 1924-1987, n.d.

Correspondence, memoranda, reports, statements, agendas, minutes of meetings, charts, graphs, bulletins, notices, invitations, press releases, newspaper clippings, publications, photographs, applications, and contracts.

Arranged alphabetically by name or subject and chronologically therein.

BOX 61-72 Speech, Article, Writings, and Lecture File, 1928-1987, n.d.

Typed, printed, and handwritten copies of speeches, articles, chapter drafts, notes, and other writings by Rabi.

Arranged by type of material and therein alphabetically by title. Writings and speeches by others appear in the Miscellany series at the end of the collection.

Academic File, 1919-1976, n.d.

Notes, charts, graphs, calculations, notebooks, course outlines, examinations, and other material relating to Rabi's student years, his early research, and teaching career.

Arranged alphabetically by type of material.

BOX 80-86 Printed Matter, 1938-1985, n.d.

Reports, monographs, conference proceedings, charts, graphs, publications, bylaws, and miscellaneous material.

Arranged alphabetically by name of organization, with separate categories for institutes, laboratories, and conference proceedings and reports.

BOX 86-99 Miscellany, 1899-1988, n.d.

Agendas, articles, lectures, biographical material, bibliographies, writings, and correspondence by Rabi's wife and others, financial material, notes, photographs, poems, and Nobel Prize material.

Arranged alphabetically by type of material.

BOX 100-05 Lantern Slides and Experimental Apparatus, ca. 1930-1950

Lantern slides, dry plates, glass negatives, and negatives used by Rabi in his lectures and fragments of apparatus used in his laboratory.

Arranged by type of material.

BOX OV 1 Oversize, 1942-1987

Reports of government agencies and technical materials.

Organized and described according to the series, folders, and boxes from which the items were removed.

BOX CL 1-CL 3 <u>Classified</u>, 1945-1972

Government classified documents consisting of correspondence, reports, statements, minutes of meetings, summaries, surveys, and notes.

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

BOX NATO 1 NATO Classified, 1958-1968

NATO classified documents consisting of memoranda, reports, statements, summaries, and notes. Organized and described according to the series and folders from which the items were removed.

Container List

Container	Contents
BOX 1-9	General Correspondence, 1925-1987, n.d.
	Mostly letters received, with attachments, together with some letters sent.
	Arranged alphabetically by name of correspondent and chronologically therein.
вох 1	Amaldi, Edouardo, 1954
	Anshen, Ruth Nanda, 1972-1985, n.d.
	Armstrong, Hamilton Fish, 1947-1972
	"A" miscellaneous, 1945-1987
	(2 folders)
	Baruch, Bernard, 1946-1947
	Bernadotte, Graf Lennart, 1962-1987
	Bethe, Hans, 1935-1967, n.d.
	Birge, Raymond T., 1944-1949
	Bitter, Francis, 1928-1965
	Bloch, Felix, 1938-1955
	Bohr, Aage, 1948-1985, n.d.
	Bohr, Margrethe, 1962-1976, n.d.
	Bohr, Niels, 1939-1948
	Breit, Gregory, 1930-1968, n.d.
	Bush, Vannevar, 1942-1948
	"B" miscellaneous, 1929-1986, n.d.
	(4 folders)
BOX 2	Carter, Jimmy, 1977
	Chadwick, James, 1949-1960
	Cockcroft, John, 1944-1967
	Compton, Karl, 1933-1946, n.d.
	Condon, Edward U., 1927-1970 <u>See also Container 88, same heading</u>
	Cuomo, Mario M., 1987
	"C" miscellaneous, 1927-1987, n.d.
	(4 folders)
	Darrow, Karl, 1932-1975, n.d.
	Darwin, Charles G., 1928
	DuBridge, Lee A., 1940-1986
	"D" miscellaneous, 1925-1986, n.d.
вох 3	(3 folders) Einstein, Albert, 1938-1966 <i>See also Container 88, same heading</i>
	Eisenhower, Dwight D., 1953-1968
	Eklund, Sigvard, 1967-1969
	Emanuel, Victor, 1955-1959
	Estermann, Immanuel, 1929-1972
	"E" miscellaneous, 1935-1976
	Fermi, Enrico, 1938-1945 See also Container 88, same heading
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Fermi, Laura, 1955-1976, n.d.
                          Finkelstein, Louis, 1940-1972
                          Fraser, Ronald, 1928-1976
                          "F" miscellaneous, 1927-1987
                            (3 folders)
                          Golden, William T., 1949-1987
                          Goldman, Eric F., 1960-1976, n.d.
                          Goldschmidt, Bertrand, 1959-1967, n.d.
                          Goudsmit, S. A., 1944-1959
                          "G" miscellaneous, 1927-1987, n.d.
                            (3 folder)
BOX 4
                          Hall, John A., 1954-1986, n.d.
                          Hall, William O., 1956-1977, n.d.
                          Humphrey, Hubert H., 1957-1967
                          "H-I" miscellaneous, 1928-1987, n.d.
                            (4 folder)
                          Jackson, Derek A., 1931-1971, n.d.
                          Javits, Jacob, 1948-1968
                          Johnson, Lyndon B., and staff, 1965-1969
                          "J" miscellaneous, 1938-1986
                          Kellogg, Jerome M. B., 1941-1979, n.d.
                          Kennedy, John F., 1961
                          Kennedy, Robert F., 1966
                          Kevles, Daniel J., 1965-1970
                          Koch, Edward I., 1985
                          Kusch, Polykarp, 1941-1984, n.d.
                          "K" miscellaneous, 1927-1987, n.d.
                            Ka-Ki
                            Kl-Ku
BOX 5
                               (2 folder)
                          Loomis, F. Wheeler, 1930-1967, n.d.
                          "L" miscellaneous, 1929-1986
                            (4 folder)
                          Marios, M., 1969-1985
                          Mayr, Jakob, 1962-1973
                          McKinney, Robert, 1955-1975, n.d.
                          Morton, Charles W., 1955-1967, n.d.
                          Moynihan, Daniel Patrick, 1977
                          "M" miscellaneous, 1928-1987
                            Ma-May
                               (2 folder)
вох 6
                            Mc-My
                               (3 folders)
                          Nishina, Yoshio, 1928-1983, n.d.
                          Nixon, Richard M., and staff, 1961-1972, n.d.
                          "N" miscellaneous, 1941-1987, n.d.
                            (2 folders)
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Oppenheimer, J. Robert, 1943-1949 See also Container 89, same heading
                          "O" miscellaneous, 1944-1987, n.d.
                         Pauli, Wolfgang, 1931-1962, n.d.
                         Pauling, Linus, 1944-1966
                         Piore, Emanuel R., 1957-1968, n.d.
                          "P" miscellaneous, 1944-1987, n.d.
                            Pa-Pi
                            Pl-Pu
                          "Q" miscellaneous, 1948-1970
                          Rabinowitch, Eugene, 1958-1963
                          Ramsey, Norman F., 1943-1979
                         Rockefeller, Nelson A., 1960-1965
                          Rosseland, Svein, 1927-1961
                          "R" miscellaneous, 1927-1987, n.d.
                            (3 folders)
                         Segre, Emilio, 1935-1970
                          Seitz, Frederick, 1944-1987
                         Siegbahn, Karl Manne G., 1955-1957
                         Snow, Charles P., 1957-1970
                          Stern, Otto, 1935-1965
                         Strauss, Lewis L., 1954-1967, n.d.
                         Szilard, Leo, 1932-1960
                          "S" miscellaneous, 1929-1987, n.d.
                            Sa-Si
                              (3 folders)
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                            Sk-Sz
                              (3 folders)
                         Teller, Edward, 1949-1959
                          Truman, Harry S., and staff, 1946-1948
                          "T" miscellaneous, 1928-1987, n.d.
                            (3 folders)
                          Ulam, Stanislaw, 1945-1976, n.d.
                          Urey, Harold C., 1937-1977, n.d.
                          "U" miscellaneous, 1935-1972
                          Van Vleck, J. H., 1933-1977, n.d.
                          Von Neumann, John, 1938-1952, n.d.
                          "V" miscellaneous, 1943-1974
                          Wang, S. C., 1928-1972
                          Weisskopf, Victor, 1940-1970
                          Wentzel, Gregor, 1947-1949
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                          Wittenburg, Ing. J., 1967-1968
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                            (4 folders)
                          Zacharias, Jerrold, 1945-1986
                         Zemansky, Mark, 1927-1944
                          Zichichi, Antonino, 1968-1983, n.d.
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BOX 12

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Zuckerman, Solly, 1958-1987, n.d. "Z" miscellaneous, 1947-1979
Unidentified, 1928-1987, n.d. (2 folders)
Fragments, 1938-1984, n.d.
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BOX 10-60 Columbia University Office File, 1924-1987, n.d.

Correspondence, memoranda, reports, statements, agendas, minutes of meetings, charts, graphs, bulletins, notices, invitations, press releases, newspaper clippings, publications, photographs, applications, and contracts.

Arranged alphabetically by name or subject and chronologically therein.

BOX 10 Aberdeen Proving Grounds, Aberdeen, Md.

Correspondence, 1938-1965

(3 folders)

Reports and related material

Biweekly, 1945

General, 1935-1965

(3 folders)

Science Advisory Committee, 1940-1945

Academy of Political Science, Columbia University, New York, N.Y., 1951-1966

Air Force Department, 1948-1968

Allied Control Council, 1945-1946

American Academy of Achievement, 1965

American Academy of Arts and Sciences, 1944-1970

American Association for the Advancement of Science, 1941-1965

American Cyanamid Co., 1947

American Friends of the Hebrew University, 1945-1979

American Institute of Physics

Correspondence, 1940-1985

(2 folders)

Reports and related material, 1940-1960

American Philosophical Society, 1946-1983

American Physical Society

Correspondence, 1944-1954

Reports and related material, 1946-1960

Anti-Ballistic Missile System, 1967

Antioch College, Yellow Springs, Ohio, 1965-1966

(2 folders)

Arms Control and Disarmament Agency (ACDA), General Advisory Council

Correspondence, 1961-1969

(2 folders)

Reports and related material, 1961-1968, n.d. See also Oversize

(5 folders)

Army, 1949-1966

Associated Universities (AUI)

Brookhaven National Laboratory (BNL), Upton, N.Y.

Contract, 1946

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Correspondence, 1947-1960, 1963-1982
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                               Personnel, 1966
                              Programs and plans, n.d.
                              Proposal for 200 Bev Accelerator Site, 1966
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                              Six-Year Forecast, 1967-1972
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                              Tenure staff list, 1967
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                               1962-1965
                                 (3 folders)
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                          Atlantic Council, 1962-1966
                          Atomic bomb, 1945-1985
                          Atomic Energy Commission (AEC)
                            Background and security information, 1953-1975
                            Correspondence, 1946-1973, n.d.
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                               (6 folders)
                            Document security bulletin, 1953
                            International conference of scientists, proposed, 1954
                            Miscellany
                               1947-1956
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                            Press releases, 1947-1954
                              (3 folders)
                            Reports and related material, 1946-1954
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                          Atoms for Peace
                            Award, 1955-1967
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Program, 1965
                         Autograph requests, 1944-1963
                         Bell Telephone Laboratories, New York, N.Y., 1939-1966
                         Bulletin of the Atomic Scientists, material concerning, 1947-1978
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                         Canada, scientists and dignitaries, 1945-1978
                         Carnegie Endowment for International Peace, 1846-1865
                         Carnegie Institution of Washington, Washington, D.C., 1935-1959
                         Columbia University, New York, N.Y., internal file
                           Alumni
                              General, 1947-1970
                              International, 1962-1968
                           Barnard College, 1927-1980
                           Barzun, Jacques, 1965-1973
                           Bicentennial, 1952-1954
                           Columbia College, 1953-1964
                           Committees, 1945-1968
                           Correspondence, 1940-1981
                           Council for Atomic Age Studies, 1958-1964
                           Cryogenic Laboratory, 1946-1949
                           Division of War Research, 1944-1947
                           Fackenthal, Frank Diehl, 1941-1948
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                           Faculty
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                                (2 folders)
                              Political science, philosophy, and pure science, 1940-1966
                           Funds
                              Campaign, 1967-1980
                              Committee, 1948-1967
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Government contracts, 1946-1965

History and Philosophy of Science Committee, 1967-1968

(2 folders)

Institute for the Study of Science in Human Affairs

Correspondence, 1966-1967

Meetings and miscellany, 1965-1967

(2 folders)

Preliminary material, 1964-1965

International Congress of Pure and Applied Science, 1940

Kirk, Grayson

"Campus Unrest", 1968

General, 1950-1968

Krout, John A., 1945-1955

Miscellany, 1941-1962

Nevis Cyclotron Laboratory

Committee, 1941-1954

Contract no. N6-ori-110

Correspondence, 1946-1949

(2 folders)

Papers of I. I. Rabi

вох 20

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Reports and related material, 1946-1947
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Harmonic Oscillator, 1953 See also Oversize

Photographs, n.d.

Nutrition Center, 1950-1951

Pegram, George B., 1927-1929, 1935-1952

(2 folders)

Physics department

Bylaws and procedures, 1962-1965

Correspondence

Brown, Lois, 1965

General, 1924-1987

Executive officer, 1946-1947

Faculty, 1934-1935, 1946-1965

(2 folders)

Organizational matters, graduate students, 1946-1965

Professorial appointments, 1927-1950

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                               Stern, Otto, 1969, n.d.
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                               Teller, Edward, 1954-67, n.d.
                               "T-Z" miscellaneous
                            Rabi
                               Articles about
                                 General, 1945-1988, n.d. See also Oversize
                                    (2 folders)
                                 Lectures
                                    Compton Lectures, 1962
BOX 90
                                    General, 1955-1977, n.d.
                               Book reviews, 1961-1988, n.d.
                               Drawings and photo captions, 1951-1986, n.d.
                               General, 1917-1981, n.d.
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Introductions and tributes, 1967-1977, n.d.
                               Memorials and obituaries, 1988, n.d.
                               New Yorker profiles, 1975
                               Retirement, 1967, n.d.
                           Books by others
                             Bennett, Reynold, n.d.
                             Rigden, John S., Rabi: Scientist and Citizen, draft of chapters 12-17, 1987
                             Unidentified
                               Modern physics, n.d.
BOX 91
                                Quantum mechanics, chapters 2-5, n.d.
                           Christmas and greeting cards, 1928-1987, n.d.
                             (3 folders)
                           Colleges and universities, course listings, 1948-1968, n.d.
                           Conference miscellany
                             1929-1962
BOX 92
                             1963-1987, n.d.
                               (7 folders)
                          Correspondence between or about others
                             Rabi, Helen N., 1938-1987, n.d.
                               (2 folders)
BOX 93
                             Third-party, 1941-1987, n.d.
                               (2 folders)
                          Dinner programs and seating charts
                             1917-1970
                               (6 folders)
BOX 94
                             1971-1987, n.d.
                               (2 folders)
                           Dissertations by others, 1928-1961
                          Financial papers, 1927-1979, n.d.
                          Lectures, related material
                             Others, 1944-1979, n.d.
                               "A-C" miscellaneous
                               Dirac lecture notes (B. Hoffman)
                               "P-S" miscellaneous and unidentified
                             Rabi, announcements, 1936-1987, n.d.
                               (2 folders)
                          Lists, 1964-1978, n.d.
                             "A-U" miscellaneous and untitled
BOX 95
                          Nobel Prize
                             Congratulatory letters
                               General, 1944-1945, n.d.
                                  (3 folders)
                               Rabi's responses, 1944-1945
                             Miscellany
                               Articles, 1938-1971, n.d.
                               General, 1901-1975, n.d.
                               Newspaper clippings, 1944, n.d.
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Notes
                            Others, 1962, n.d.
                            Rabi, 1962, n.d.
                               (2 folders)
                          Organizations, staff and officers
                            "A-N" miscellaneous, 1965-1968, n.d.
BOX 96
                            "O-P" miscellaneous
                          Papers by others, technical
                            "A" miscellaneous
                            Bohr, Aage, 1973, n.d.
                            "B-J" miscellaneous
                               (4 folders)
                            Kusch, Polykarp, 1939-1949, n.d.
                            "K-U" miscellaneous
                               (4 folders)
BOX 97
                             Wu, C. S., 1959, n.d.
                            "W-Z" miscellaneous
                               (2 folders)
                            Fragments and unidentified, n.d.
                          Photographs, 1940-1969, n.d.
                          Poems and songs, 1944-1971, n.d.
                          Signatures, 1957-1984, n.d.
                          Space exploration, 1969
                          Speeches by others, 1899-1984, n.d.
                            "A" miscellaneous
                            Bronowski, Jacob, 1956
                            "B-K" miscellaneous
                               (2 folders)
BOX 98
                            "L-R" miscellaneous
                               (2 folders)
                            Seaborg, Glenn T., 1964-1966
                            "S-Z" miscellaneous and unidentified
                               (3 folders)
                          Technical materials, 1927-1964, n.d.
                          Travel arrangements
                            Airline and train schedules, 1962-1985, n.d.
                            Hotel bills, 1942-1987, n.d.
                            Itineraries, 1948-1972, n.d.
                               (2 folders)
BOX 99
                            Travel vouchers, 1942-1980
                          University
                            Convocations
                               Columbia University, New York, N.Y., 1948-1977
                               General, 1944-1982, n.d.
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Dedications, 1948-1980

BOX 100-105

BOX OV 1

Writings by others, fragments and unidentified, 1961, n.d.

BOX 100-05 Lantern Slides and Experimental Apparatus, ca. 1930-1950

Lantern slides, dry plates, glass negatives, and negatives used by Rabi in his lectures and fragments of apparatus used in his laboratory.

Arranged by type of material.

Oversize, 1942-1987

Reports of government agencies and technical materials.

Organized and described according to the series, folders, and boxes from which the items were removed.

Lantern slides and dry plates used by I. I. Rabi with his lectures; experimental pieces of apparatus

BOX OV 1 Columbia University Office File

Arms Control and Disarmament Agency (ACDA)

General Advisory Council

Reports and related material, 1964 (Container 12)

Associated Universities (AUI)

Miscellany, 1953 (Container 13)

Columbia University, New York, N.Y., internal file

Nevis Cyclotron Laboratory

Harmonic Oscillator, 1953 (Container 20)

Navy Department

Naval Research Advisory Committee

General, 1948-1967 (Containers 36-37)

Research and development, 1942-1948 (Container 38)

Office of Science Research and Development (OSRD), 1942-1946 (Container 43)

Project East River, 1951-1953 (Container 48)

Printed Matter

Organizations

"A-B" miscellaneous, 1966 (Container 80)

Miscellany

Biographical items

Rabi

Articles about

General, 1987 (Container 89)

BOX CL 1-CL 3 Classified, 1945-1972

Government classified documents consisting of correspondence, reports, statements, minutes of meetings, summaries, surveys, and notes.

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

BOX CL 1 Columbia University Office File

Atomic Energy Commission

Correspondence, 1947

International conference of scientists, proposed, 1954

Miscellany, 1947-1967

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National Radio Astronomy Observatory, Green Bank, W. Va., 1961
                           North Atlantic Treaty Organization
                              Correspondence, 1966
                             Science Committee
                                General, 1958-1965
                                Reports, 1966-1968
                                Summaries and working papers, 1959
                             Supreme Allied Commander Atlantic Anti-Submarine Warfare (SACLANT-ASW)
                               Research Center, 1959
                           Oak Ridge National Laboratory, Oak Ridge, Tenn., 1954
                           Office of Science and Technology, 1966
                           Organization for Economic Cooperation and Development (OECD), 1969-1970
                           President's Science Advisory Committee, correspondence, 1957-1964
                           Research Board for National Security, 1945
BOX CL 2
                           United Nations
                              Atomic Energy Commission
                                Reports
                                  1945-1947
                                     (4 folders)
BOX CL 3
                                  1947
                                     (5 folders)
                             Conferences
                                Peaceful Uses of Atomic Energy
                                  First, general, 1954
                                  Third, 1963
                                General, 1946-1972
                             Scientific Advisory Committee, minutes and summaries, 1963
BOX NATO 1
                       NATO Classified, 1958-1968
                         NATO classified documents consisting of memoranda, reports, statements, summaries, and notes.
                         Organized and described according to the series and folders from which the items were removed.
BOX NATO 1
                         Columbia University Office File
                           North Atlantic Treaty Organization
                             Science Committee
                                General, 1958-1965
                                Reports, 1966-1968
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International Atomic Energy Agency Reports, general, 1959-1967

Papers of I. I. Rabi

Supreme Allied Commander Atlantic Anti-Submarine Warfare (SACLANT-ASW)

Summaries and working papers, 1959

Research Center, 1959