

**Stanislaw M. Ulam Papers**  
**1916-1984**  
**Mss.Ms.Coll.54**

American Philosophical Society  
2002  
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## Summary Information

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<b>Repository</b>	American Philosophical Society
<b>Creator</b>	Ulam, Stanislaw M. (Stanislaw Marcin), 1909-1985
<b>Title</b>	Stanislaw M. Ulam Papers
<b>Date [inclusive]</b>	1916-1984
<b>Call number</b>	Mss.Ms.Coll.54
<b>Extent</b>	36.0 Linear feet
<b>Location</b>	LH-B-45-4; LH-B-24-4 (OS)
<b>Language</b>	English
<b>Abstract</b>	<p>A gifted mathematician, Polish-born Stanislaw Ulam made contributions to set theory, topology, mathematical logic, and number theory, but is most widely remembered for his work in fostering the technical development of thermonuclear weapons. He was associated with Los Alamos Scientific Laboratories for most of the years between 1943 and 1965, and thereafter with the University of Colorado. These papers include personal and professional correspondence, manuscripts of both published and unpublished works, and memorabilia.</p>
<b>Preferred Citation</b>	Cite as: Stanislaw Ulam Papers, American Philosophical Society.

## Background note

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Stanislaw Ulam was a gifted mathematician who, during the course of his career, made significant contributions to set theory, topology, ergodic theory, probability, cellular automata theory, the study of nonlinear processes, the function of real variables, mathematical logic, and number theory. Perhaps his greatest achievement was the development of the Monte Carlo method for solving complex mathematical problems by electronic random sampling, but he made equally noteworthy contributions in hydrodynamics (three-dimensional fluid flow), the development of nuclear propulsion for space flight (Project Orion), and in fields as disparate as physics, biology, and astronomy. Yet despite the breadth of his scholarship, Ulam is most often remembered for the central role he played in the early development of the American hydrogen bomb.

Stanislaw Marcin Ulam was born in Lwów, Poland on April 13, 1909. The son of Jozef Ulam, a lawyer, and Anna Auerbach, the daughter of an industrialist, Ulam developed an enthusiasm for astronomy and physics while still in his teens that led him into the serious study of mathematics. Enrolling at the Lwów Polytechnic Institute in 1927, he received his bachelor's (1931), master's (1932), and doctoral degrees in rapid succession (1933), intending on an academic career. Following receipt of his degree and a tour of Europe during which he visited mathematicians and scientists in Vienna, Zurich, Paris, and Cambridge, Ulam received an invitation from fellow mathematician, John von Neumann, to become a visiting scholar for three months at the Institute for Advanced Study in Princeton. There, he met G. D. Birkhoff, who brought him to Harvard to become one of the earliest members of the Society of Fellows (1936-1939) and later, lecturer (1940). During his five years in Cambridge, Ulam traveled back and forth between Poland and the States, and shortly after he suffered the death of his mother, his younger brother, Adam, was sent to join Stan in America. Adam was encouraged to enroll at Brown University, where Stanislaw was engaged in substitute teaching a graduate course on the theory of functions of several real variables.

In 1940, Ulam accepted a position as instructor at the University of Wisconsin, and quickly earned promotion to assistant professor. Both personally and professionally, his years in Wisconsin were eventful, beginning more than a decade of intense activity and life change. In an effort to enlist in the military in 1943, Ulam became a U.S. citizen, and in that same year, he married Françoise Aron, a French exchange student at Mount Holyoke College, whom he had met in Cambridge. The Ulams had one child, Claire, born in 1944. Although he taught mathematics courses to Army and Navy recruits, Ulam believed that he could contribute more directly and significantly to the war effort, and early in the autumn, 1943, John von Neumann again interceded in Ulam's life. Meeting furtively at a railroad station in Chicago, von Neumann convinced Ulam to join an unidentified, war-related project, and with the added urging of physicist Hans Bethe, Ulam agreed. Within a few months, he and his family moved to Los Alamos Scientific Laboratories (LASL), N.M., to begin work on the Manhattan Project.

Assigned to physicist Edward Teller's group, a unit of the scientific corps led by Enrico Fermi, Ulam set to work on the hydrodynamics of implosion, in preparation for construction of the atomic bomb. His key insight into the development of the fusion bomb may have been the recognition that compression of the nuclear material was necessary to produce an explosion, and that mechanical shock waves generated by a fission bomb could produce the force necessary. He later also struggled through the mathematical physics

that set the stage for theoretical work in preparation of a "super" bomb - Teller's proposed thermonuclear hydrogen bomb. After this initial work on Teller's problem, Ulam co-authored a report on multiplicative branching processes with David Hawkins -- a philosopher and non-professional mathematician and physicist at Los Alamos -- and C. J. Everett, a professor from the University of Wisconsin. This important paper marked some of the earliest work in branching process theory, a sub-field of probability theory. Yet as often proved true in his life, his academic successes were accompanied by personal misfortunes. While Ulam contributed to the completion of work at LASL in 1945, he learned of the loss of his entire immediate family in Poland at the hands of the Nazis: his father, uncle, sister, and brother-in-law were killed. Only his brother Adam, who had matriculated at Brown University in 1940, survived.

With the war ended, Ulam hoped for a return to a more conventional academic career. Doubting his chances for promotion and tenure at Wisconsin, he accepted a teaching position at the University of Southern California during the fall, 1945. Shortly after his arrival in Los Angeles, however, he was struck by a mysterious illness -- later diagnosed as viral encephalitis - which was treated by a highly risky surgical procedure. Friends and colleagues noted that the illness and treatment seemed to affect Ulam's personality, and more profoundly, his approach to mathematical problem solving. After his recovery, they noted, he appeared to use his imagination more when searching for new mathematical ideas, and to rely less on his own technical solutions, and more on the hard work of others. The increasing fertility of his imagination was counterbalanced by a reluctance to delve into the technical details. Ulam's convalescence required a leave of absence from USC, during which he was invited to attend a secret conference at LASL in April, 1946, to discuss the development of Teller's thermonuclear bomb. Having played an important role in solving the technical problems associated with the development of the atomic bomb, he was asked to resume work at LASL on the development of the H-bomb. Associating Los Angeles with his illness, Ulam was willing to leave, and he once again resumed his work in the desert. While involved in research at LASL, he developed the Monte Carlo method, by which solutions to mathematical and physical problems are solved through random sampling. The Monte Carlo method became known as one of Ulam's most significant achievements, and he lectured on the subject frequently.

The reputation that surrounds Edward Teller and Ulam as "fathers of the hydrogen bomb" was solidified by their work during the early 1950s. In February, 1950, Ulam conclusively demonstrated that the amount of tritium Teller had estimated as necessary for his "classic super" design was insufficient, suggesting that only limited progress was possible within the parameters of the original super plan. Von Neumann confirmed Ulam's results through calculations run on the Princeton computer, one of the earliest electronic computing machines of its kind, and by April, 1950, Ulam had developed an alternative configuration, which he published jointly with Teller as a classified paper. Ulam's configuration proved to be a turning point in the development of the H-bomb, making possible the first thermonuclear reactions and the "Mike" test at Bikini Atoll in November, 1952.

After completing this phase of work at Los Alamos, Ulam was employed at Harvard, the Massachusetts Institute of Technology, and the University of California as a visiting professor from 1951-1956, before returning to LASL in 1957 to become research advisor to the director of the laboratory. He remained in that position until his retirement in 1965, though until his death in 1984, he continued to consult for Los Alamos. From 1965-1975, Ulam also held the chair of the mathematics department at the University of Colorado at Boulder, and for a portion of his tenure there, he was professor of biomathematics at the University of Colorado Medical School. Ulam continued to be actively involved in government science after the completion of his work on the H-bomb. His involvement with Project Rover at LASL

resulted in the design of a nuclear-reactor rocket, while his work with Project Orion focused on the nuclear propulsion of a space vehicle. Under the Kennedy administration, he became involved in the nation's space program as a member to the President's Scientific Advisory Committee, the Air Force Space Planning Committee, and General Twining's Air Force Committee. He was also retained as a consultant by such companies as IBM, General Atomic, the North American Aviation Corporation, and Hycon Corporation, as well as the Neurosciences Institute of the Rockefeller University. Among Ulam's professional publications are several books and more than 150 articles in professional journals reflecting his diverse work in mathematics, theoretical physics, and mathematical biology. Among these are *A collection of mathematical problems* (N.Y., 1960), a collaboration with fellow mathematician Mark Kac entitled *Mathematics and Logic* (N.Y., 1968), *Stanislaw Ulam: sets, numbers, universes* (Cambridge, 1974), and his autobiography *Adventures of a mathematician* (N.Y., 1976). The Scottish book was finally edited by R. Daniel Mauldin and published in 1982 after Ulam had distributed typescripts of the notebook to colleagues in the scientific community as early as 1957. This collection of unsolved mathematical problems was initially compiled in the Scottish Cafe in Poland before World War II by Ulam and fellow mathematicians, including his former graduate advisor, Stefan Banach. Works in progress at the time of Ulam's death in 1984 included "Problem Book II," the second volume to his *Collection of mathematical problems*. These number and breadth of these publications underscore Ulam's influence on many branches of twentieth century mathematics, as well as his signature application of theoretical and technological research to the sciences.

Ulam's memberships in professional and learned societies included the National Academy of Sciences, the American Academy of Arts and Sciences, the American Philosophical Society, the American Physical Society, the American Mathematical Society, the Mathematical Association of America, the Polish Mathematical Society, and the American Association for the Advancement of Science. He was also asked to serve on the board of governors for the Weizmann Institute of Science in Rehovot, Israel, and the Jurzykowski Foundation in New York. Ulam was honored with such awards as the Sierpinski Medal, the Polish Millennium Prize, and the Polish American Congress Heritage Award, and was named the John von Neumann Lecturer of the Society of Applied and Industrial Mathematics. In recognition of his mathematical and scientific achievements, Ulam was awarded honorary degrees by the University of New Mexico (1965), the University of Pittsburgh (1978), and the University of Wisconsin (1978). Stanislaw Marcin Ulam died in Santa Fe, New Mexico, on May 13, 1984. He was seventy-five.

## Scope & content

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The Stanislaw Marcin Ulam Papers (1916-1984) contain diverse materials documenting the personal life and career of a creative mathematician and key figure in the technical development of America's nuclear weaponry. The collection documents nearly the entirety of Ulam's life, but the core of the collection reflects the years after his arrival in the United States in 1935, and particularly after he began as a researcher at Los Alamos Scientific Laboratories in 1945. From 1935 on, Ulam was heavily engaged in publication, teaching, consulting, and traveling as a visiting lecturer at universities and scientific symposia, and most importantly, he was involved in the development of the atomic and hydrogen bombs.

The Ulam Papers constitute a rich resources for study of the early years of nuclear weapon development in the United States, and though it is relatively lacking in technical scientific detail, the webs of relationships.

Ulam's professional correspondence with fellow scientists as well as his original research materials are also noteworthy aspects of the papers.

The papers (75 boxes; 35.75 linear feet) are divided into fifteen series:

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Series I.	Professional correspondence, 1932-1986	(33 boxes; 15.5 linear feet)
Series II.	Personal correspondence, 1936-1979	(1 box; 0.5 linear feet)
Series III.	Polish materials, 1935-1984	(1 box; 0.5 linear feet)
Series IV.	Subject files, ca.1945-1983	(3 boxes; 1.5 linear feet)
Series V.	Research notes, 1934-1983	(4 boxes; 2 linear feet)
Series VI.	Calendars and address books, 1934-1984	(4 boxes; 2 linear feet)
Series VII.	Talks and interviews, 1937-1984	(4 boxes; 2 linear feet)

Series VIII.	Unpublished works, 1932-1984	(3 boxes; 1.5 linear feet)
Series IX.	Published works, 1944?-1984	(9 boxes; 4.5 linear feet)
Series X.	Class notes, 1936-1981	(2 boxes; 1 linear foot)
Series XI.	Student notes and papers, ca.1938-1976	(1 box; 0.5 linear feet)
Series XII.	Miscellaneous, memorabilia, and newspapers, 1916-1983	(2 boxes; 1 linear foot)
Series XIII.	Photographs and film, 1930-1984	(1 box, 1 film; 0.5 linear feet)
Series XIV.	Audiotape recordings, ca.1955-1982	(1 box, 21 tapes; 0.5 linear feet)
Series XV.	Miscellaneous reprints, manuscripts, and journals, 1938-1986	(3 boxes; 1.5 linear feet)

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## **Administrative Information**

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### **Publication Information**

American Philosophical Society 2002

## **Provenance**

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### **Acquisition Information**

The Ulam Papers were donated to the APS on December 4 1987 and January 1988 by Ulam's wife, Françoise (accession no. 1987-1928ms).

Additional letters and postcards, largely written by Stanislaw Ulam and his wife, Françoise, to John C. Oxtoby were given to the Library by Jean Oxtoby (Mrs. John C.) in January, 1995 (1995-38ms). These items have been filed with the rest of the John C. Oxtoby correspondence in Series I of the Papers.

### **Processing Information**

Processed by Martin Levitt, Elaine M. McCluskey, and Timothy T. Wilson July, 1996 (Revised rsc 2002).

## **Related Materials**

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### **Related Material**

The APS houses several collections that document the history of the development of the atomic bomb, including the papers of Henry DeWolf Smyth, E.U. Condon, and John A. Wheeler for the physics of A-bomb development, and Curt Stern and James V. Neel relating to the genetics.

### **Separated Material**

Audiotapes have been removed for storage to the APS recordings library (rec. 151).

## **Indexing Terms**

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### **Corporate Name(s)**

- Harvard University. Museum of Comparative Zoology.
- Los Alamos National Laboratory
- Princeton University.
- University of Colorado
- University of Wisconsin.

## Genre(s)

- Audiotapes
- Photographs

## Personal Name(s)

- Banach, Stefan, 1892-1945
- Bellman , Richard, 1920-1984
- Bethe, Hans A., (Hans Albrecht), 1906-2005
- Birkhoff, Garrett, 1911-1966
- Borsuk, Karol
- Bradbury, Norris
- Erdős, Paul, 1913-1996
- Everett, C. J. (Cornelius Joseph), 1914-
- Fermi, Enrico, 1901-1954
- Feynman, Richard P., (Richard Phillips), 1918-1988
- Frisch, Otto Robert, 1904-1979
- Gamow, George, 1904-1968
- Gardner, Martin, 1914-2010
- Godel, Kurt
- Kac, Mark
- Kelly, Paul J.
- Kistiakowsky, George B. (George Bogdan), 1900-
- Kuratowski, Kazimierz, 1896-
- Lomnicki, Zbigniew A.
- Mandelbrot, Benoit B.
- Mazur, Stanislaw
- Metropolis, N. (Nicholas), 1915-
- Mycielski, Jan, 1932
- Oppenheimer, J. Robert, 1904-1967
- Oxtoby, John C.
- Pasta, John
- Rabi, I. I., (Isidor Isaac), 1898-1988
- Rota, Gian-Carlo, 1932-1999
- Schrandt, Robert

- Seaborg, Glenn Theodore, 1912-
- Segrè, Emilio Gino, 1905-1989
- Sierpinski, Waclaw, 1882-1969
- Stein, Myron
- Stein, Paul
- Steinhaus, Hugo, 1887-1972
- Stone, Marshall H., (Marshall Harvey), 1903-1989
- Tarski, Alfred
- Teller, Edward, 1908-2003
- Von Kármán, Theodore, 1881-1963
- Von Neumann, John, 1903-1957
- Weisskopf, Victor Frederick, 1908-2002
- Zygmund, Antoni

### Subject(s)

- Atomic bomb
- Chess
- Computers
- Hydrogen bomb
- Logic, Symbolic and mathematical
- Manhattan Project (U.S.)
- Mathematical physics
- Mathematics
- Mathematics--Study and teaching
- Number theory
- Physics
- Poles--United States
- Set theory
- Topology
- World War, 1939-1945

### Bibliography

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Necia Grant Cooper, ed., *From Cardinals to Chaos: Reflection on the Life and Legacy of Stanislaw Ulam* (Cambridge, 1989), pp. 313-317, provides a complete bibliography of Ulam's work.

Series I. Professional correspondence, 1932-1986

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## Collection Inventory

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**Series I. Professional correspondence,  
1932-1986****15.5 Linear  
feet 33 boxes**

Incoming and outgoing manuscript and typescript letters, carbons, telegrams, and postcards generated during Ulam's professional career. Series I is the largest series of the collection and is rather evenly distributed through the years. Space permitting, short papers, reprints, and (occasionally) photographs have been retained in the correspondent's file, if the papers is referred to in the correspondence.

Series I is arranged alphabetically by correspondent's name and chronologically within each file, with unidentified correspondence filed as "Unknown," arranged chronologically. The correspondence is primarily in English, though there is a significant portion in Polish, French, German and Russian; non-English language references are noted in the container listing. Most letters in foreign languages are addressed to Ulam; his replies are generally in English.

Among Ulam's correspondents are mathematicians, scientists, current and former students, officials of various organizations and institutions, historians, publishers, and admirers. The range of subjects is equally diverse, ranging from professional, technical discussuions in mathematics and physics to chess, computers, publications, invitations to lecture, Ulam's early years in the U.S., Harvard University, University of Wisconsin, and University of Colorado, WWII, Poland and world events, work at Los Alamos, fan mail, and letters of recommendation by Ulam for students and colleagues.

The most significant portion of this series is comprised of Ulam's correspondence with mathematicians and scientists, including some very valuable correspondence with and about John von Neumann. Von Neumann's contributions to mathematics and computing figure prominently in Ulam's correspondence and writings (Series VIII and IX). As Ulam was in contact with a few generations of mathematicians in both the U.S. and Poland, his correspondence provides an interesting record of the evolution of mathematics in both countries. Ulam also corresponded with a number of American politicians throughout his career, including senators Clinton P. Anderson, Howard H. Baker, Jr., and Edmund S. Muskie. Researchers may find that some professional correspondence unexpectedly lacks scientific substance. This is most apparent in the correspondence between Ulam and certain famous colleagues, whose letters are valuable primarily for their signatures.

The correspondence relating to Los Alamos Scientific Laboratory is scattered throughout the series and is largely composed of administrative memoranda. Ulam's work at LASL constitutes another area of

**Series I. Professional correspondence, 1932-1986**

surprising weakness: in some cases, the name of a correspondent associated with the laboratory suggests that valuable technical information on the development of nuclear weapons is available in their file. Unfortunately, much of this kind of professional correspondence was classified at LASL and never left the site. What remains, however, does reflect the management of LASL, and is therefore of some interest.

Abbott, Lois Ann	1971-1977	Box Series I-1
Abbott, Richard L.	1975	Box Series I-1
Abelson, Philip H. Carnegie Inst. of Washington	1973	Box Series I-1
Ablowitz, Mark J.	1980-1982	Box Series I-1
Abraham, Ralph	1977	Box Series I-1
Academic Press	1965-1970	Box Series I-1
Adams, Arthur S.	1962	Box Series I-1
Adams, C. R.	1936	Box Series I-1
Addison, John W., Jr. hierarchies, constructibility	1957	Box Series I-1
Addison-Wesley Publishing, Co. Heinlein, Lore Herbert, Pembroke	[1973]-1978	Box Series I-1
Adler, [?]	1944	Box Series I-1
Adomian, G[eorge]	1979	Box Series I-1
Agins, Barnett R. interdisciplinary research in math-physics grant	1970	Box Series I-1
Agnew, Harold	1971-1983	Box Series I-1

## Series I. Professional correspondence, 1932-1986

Richard L. Garwin speech		
Agnew, John	1970	Box Series I-1
Agnew, Ralph P.	1950-1952; n.d.	Box Series I-1
Morse, Anthony P.		
Ahlfors, Lars V.	1951	Box Series I-1
Aiserman, Mark	1966	Box Series I-1
Akemann, Charles A.	1978	Box Series I-1
Akl, D.	1977	Box Series I-1
Aladyev, V.	1972	Box Series I-1
Alavi, Yousef	1972	Box Series I-1
Albers, Robert J.	1971	Box Series I-1
Albertson, R. D.	1982	Box Series I-1
Al-Dhahir, M. W.	1980	Box Series I-1
Aldrich, W. Tyler, Jr.	1959	Box Series I-1
escorts' responsibilities at Los Alamos		
Alexander, Gary	1964-1965	Box Series I-1
Alexanderson, G. L.	1983	Box Series I-1
Alexandroff, Paul	1935	Box Series I-1
In French		
Allen, Donald R.	1969	Box Series I-1
Prime numbers		
Allen, Jerry	1966	Box Series I-1

## Series I. Professional correspondence, 1932-1986

Harold Liebowitz		
Allen, John Ed	1980-1981	Box Series I-1
Allen, Peter S.	1969	Box Series I-1
Allen, Phillip M.	1967	Box Series I-1
bio-mathematics		
Allendoerfer, Carl B.	1952	Box Series I-1
Allred, John C.	1958-1977	Box Series I-1
Alpern, Steve	1973-1982	Box Series I-1
homeomorphisms		
Altman, M.	1975	Box Series I-1
American Academy of Arts and Sciences	1957	Box Series I-1
Election		
Billings, Bruce H.		
Burnes, Ralph W.		
American Academy for the Advancement of Science	1976	Box Series I-1
Botts, Truman		
Carey, William D.		
Hlavaty, Julius H.		
Knuth, Donald E.		
Levin, Simon A.		
Sterling, Daniel J.		
American Council of Polish Cultural Clubs	1967	Box Series I-1
Turowski, Florence		
American Mathematical Monthly, The	1959-1971	Box Series I-1

## Series I. Professional correspondence, 1932-1986

Andree, Richard V.

Berge, Claude

Drasin, David

American Mathematical Society

1957-1977

Box Series I-1

Colvin, B. H.

Durst, Lincoln

Green, John W.

Lin, C. C.

Pitcher, Everett

Reynolds, Margaret

Swanson, Ellen E.

Walker, Gordon L.

committee work

American Scholar, The

1977

Box Series I-1

Jones, Jean

von Neumann article

Amouyal, A.

1965-1966

Box Series I-1

Anderson, Clinton P.

Box Series I-1

Folder #1

1955-1964

Box Series I-1

H-bomb development, nuclear propulsion, Kennedy visit, moon observatory

Folder #2

1965-1971

Box Series I-1

ROVER, ROVER

Boyer, Keith

Folder #3

n.d.

Box Series I-1

Shepley &amp; Blair's Hydrogen Bomb

Anderson, Ken

1972

Box Series I-1



**Series I. Professional correspondence, 1932-1986**

Anderson, P. W.	1967	Box Series I-1
Anderson, R. Christian	1970-1979	Box Series I-1
Anderson, R. D.	1957-1959	Box Series I-1
homeomorphisms; Scottish Book		
Andersson, Rolf	1973	Box Series I-1
Ankeny, Barbara H.	1975-1976	Box Series I-1
M.I.T. Press		
Annual Review of Biophysics and Bioengineering	1967-1971	Box Series I-1
Handley, Jacqueline		
Morales, Manuel		
West, Charles A.		
Archer, E. James	1965-1966	Box Series I-1
Argo, Harold V.		Box Series I-1
- See Ser.I, Metropolis, Nicholas		
Armstrong, J. L.	1958	Box Series I-1
Arnold, H. H.	1977	Box Series I-1
Univ. of CO centennial medallion		
Arnold, J. R.	1959	Box Series I-1
Arnowitt, Richard		Box Series I-1
- See Ser.I, Desen, Stanley		
Arsove, Maynard G	1959	Box Series I-1
Artin, E.	1956; n.d.	Box Series I-1

**Series I. Professional correspondence, 1932-1986**

telescope		
Artin, Natascha	n.d.	Box Series I-1
Artur, Csetényi	1973	Box Series I-1
Ascher, Edgar	1972	Box Series I-1
Ashenhurst, Robert L.	1971	Box Series I-1
Ashmore, Harry S.	1964-1967	Box Series I-1
Encyclopedia Britannica Mathematics & Logic article		
Asimov, Daniel	1967	Box Series I-1
Askey, Dick	1976	Box Series I-1
Astin, Allen V.	1974-1975	Box Series I-1
National Academy of Sciences		
Atiyah, Michael	1972	Box Series I-1
Princeton talk		
Augenstein, Bruno W.	1963-1983	Box Series I-1
wave mechanics		
Aulicino, John V.	1976	Box Series I-1
Ault, J. Burchenal	1983	Box Series I-1
Avula, Xavier J. R.	1981-1982	Box Series I-1
Ayres, W. L.	1945	Box Series I-1
Baade, W.	1949	Box Series I-2
Babai, L.		Box Series I-2

**Series I. Professional correspondence, 1932-1986**

-See Hajnal, A.		
Bacal, Jacob	1976	Box Series I-2
Baclawski, Kenneth	1973	Box Series I-2
Baer, Reinhold	1948-1971	Box Series I-2
endomorphisms		
Bagby, Philip	1940?-1951	Box Series I-2
SMU job search, biology, physics		
Baggett, Larry (Lawrence)	1967	Box Series I-2
Bailey, Daniel E.	1966	Box Series I-2
SMU calendar		
-See also Ser.I, Manning, Thurston E.		
Bailey, Herbert S., Jr.	1955-1956	Box Series I-2
re: Coll. Of Math. Problems		
Princeton University Press		
Bailey, J. A.	1964	Box Series I-2
Baird, Bridget	1971-1979	Box Series I-2
Baker, Howard H., Jr.	1967	Box Series I-2
Senate committee on tech. & human environment		
For originals, see Ser.I, Muskie, Edmund S.		
Baker, William O.	1965	Box Series I-2
Bell Telephone Laboratories		
Bakowski, [Alois]	n.d.	Box Series I-2
In Polish		

**Series I. Professional correspondence, 1932-1986**

Baldrige, Jack	n.d.	Box Series I-2
Bales, Verna	1965	Box Series I-2
Ball, B. J.	1966	Box Series I-2
New Scottish Book		
[Ball], B. L.	1976-1977	Box Series I-2
Ballen, Samuel B.	1976-1983	Box Series I-2
corrections to Shatterer of Worlds		
Ulam, Alex[ander]		
-See also Ser.I, Strauss, Peter		
Ballwag, R. A.	1962-1963	Box Series I-2
Banach, Stefan (1892-1945)	1937-1977; n.d.	Box Series I-2
Some in Polish		
Steinhaus speech		
Banach, Stefan, Jr.	1960-1974	Box Series I-2
Some in Polish		
Barcellos, Anthony	1979-1981	Box Series I-2
Interview		
Barell, John F.	1976	Box Series I-2
Barner, Martin	1975	Box Series I-2
Barnes, J. C.	1961-1963	Box Series I-2
Hycon, civil def., laser glass		
Barres, Peter Marshall	1981	Box Series I-2
Barrett, John H.	1958-1959	Box Series I-2

**Series I. Professional correspondence, 1932-1986**

Barrett, Lida K.	1973	Box Series I-2
Barrows, Robert Guy	1976	Box Series I-2
Adventures film		
Bartholomay, Anthony	1960-1972	Box Series I-2
Bartlett, A. A.	1978-1983	Box Series I-2
-See also Ser.I, Gamow, George		
Bartoszynski, Robert		Box Series I-2
-See Ser.I, Olech, Czeslaw		
Barut, Asim	1966-1983;n.d.	Box Series I-2
Gamow lectures		
Bass, Robert W.	1957	Box Series I-2
Basu, D.	1969	Box Series I-2
Bateman, P. T.	1965	Box Series I-2
integers divisible by 3		
Hoolim, Haar		
Batty, Peter	1974-1975	Box Series I-2
Film on H-bomb		
Baumgartner, James E.	1969	Box Series I-2
Bauer, F. W.	1977	Box Series I-2
Bazley, Norman W.	1971-1972; n.d.	Box Series I-2
Pimbley, George		
Beadles, [Don]	1977	Box Series I-2

**Series I. Professional correspondence, 1932-1986**

Bebernes, Jerrold	1967-1977	Box Series I-2
Mate, Attila		
Beck, J. I. (Mrs.)	1968	Box Series I-2
Beck, Patricia D.	1980-1981	Box Series I-2
Beckenbach, E. F.	1958-1959	Box Series I-2
Math for engineer		
Bednarek, A[l]. R.		Box Series I-2
Folder #1	1970-1975	Box Series I-2
Aomic projective algebra		
Millsaps, K. T.		
Folder #2	1976-1983; n.d.	Box Series I-2
Begle, E. G.	1956-1967	Box Series I-2
Behan, J. F.	1959	Box Series I-2
Belcher, P. F.	1958-1959	Box Series I-2
Los Alamos security violations		
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Bell, Clifford	1958-1959	Box Series I-2
Bell, George I.	1964-1977; n.d.	Box Series I-2
Biophysics, biomathematics		
Bellman, Richard		Box Series I-2
Folder #1	1944-1966	Box Series I-2
Probability, functional equat., learning process		
Birkhoff, Garrett		

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Cairns, S. S. Lefschetz, S. Coll. of Math. Problems		
Folder #2	1967-1983	Box Series I-2
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Life after WWII		
Bello, Francis	1964; n.d.	Box Series I-2
Genealogy, computers		
Beltrami, Edward	1960	Box Series I-2
Benbow, [?]	1942	Box Series I-2
Army mathematics		
BenDaniel, David J.	1980-1983	Box Series I-2
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Benesch, Marie	1940	Box Series I-2
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Bennett, Albert B., Jr.	1977	Box Series I-2
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Benson, Sidney W.	1976	Box Series I-2
Beraha, Sami	1962-1968	Box Series I-3
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Berg, Murray	1964	Box Series I-3

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Berge, Claude	1971-1981	Box Series I-3
Deza, M.		
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Berger, Agnes	1976	Box Series I-3
Bergman, George M.	1961	Box Series I-3
Product automorphisms		
Bergman, Stefan	1955-1962	Box Series I-3
Berkeley, Edmund S.	1957	Box Series I-3
Berresford, Geoffrey C.	1978	Box Series I-3
Bers, Lipman	1957-1983	Box Series I-3
Besombes, Gilles D.	1978-1981?	Box Series I-3
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Betts, A. W.	1946-1947	Box Series I-3
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Beyer, Ann	1976	Box Series I-3
Beyer, William A.	1955-1975; n.d.	Box Series I-3
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Bhargava, T. N.	1975-1976	Box Series I-3
Bharucha-Reid, A. T.	1960	Box Series I-3



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Bialynicki-Birula, A.		Box Series I-3
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Bielski, Mark	1979	Box Series I-3
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Bing, R. H.	1948-1975	Box Series I-3
Birkhauser Boston, Inc.	1980-1983	Box Series I-3
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Albers, Donald J.		
Cabell, Stephanie		
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Klein, Lauren T.		
Klump, Will		
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Everett, C. J.		
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Folder #2	1953-1956	Box Series I-3
Hydrodynamics, jet calculations, Coll. of Math. Problems, Lebesgue measure		
Pasta, John		

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Nomination to NAS, George Birkhoff prize, synthetic materials for computers, von Neumann article, hydrodynamics		
Burington, Richard S.		
Green, John W.		
McShane, E. James		
Price, G. Baley		
Tuve, Merle		
Walsh, Joseph L.		
Wigner, Eugene P.		
Folder #4	1968-1982	Box Series I-3
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Blum, Julius R.	1971	Box Series I-3
Blumberg, Stanley A.	1975	Box Series I-3
Boba, Antonio	1959	Box Series I-4

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Bochner, Salomon	1942; 1958; 1979	Box Series I-4
Bode, Hendrik W.	1946-1948	Box Series I-4
Communication theory Bell Telephone Laboratories		
Boehm, George A. W.	1958-1968	Box Series I-4
Fortune article on computers, Mark Kac Fullen, Betty		
Bogdan, Victor M.	1977-1978	Box Series I-4
(Former name: Bogdanowicz, Witold M.)		
Bohm, David	1957	Box Series I-4
Bok, Derek	1977	Box Series I-4
Bolling, W. C.	1967	Box Series I-4
Borgese, Elizabeth Mann		Box Series I-4
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Mathematics & Logic article Birkhoff, Garrett Kac, Mark See Kac, Mark		
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Borgmann, Carl W.	1958	Box Series I-4
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Newspaper article by Borsuk		
Borsuk, Zofia	1982	Box Series I-4
In French; on K. Borsuk's death		
Borzymowski, Andrzej	1983	Box Series I-4
Bott[?], Rick	1982	Box Series I-4
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Bourgin, Richard	1974	Box Series I-4
Bourgin, [?]	1942	Box Series I-4
Bouricius, Willard	1957-1958	Box Series I-4
Bourne, Samuel	1964-1974	Box Series I-4
Neyman, Kura-towski, locally compact subgroups		
Bowie, William S.	1964	Box Series I-4
Boyd, Constance D.	1974	Box Series I-4
corrections to Copernicus article		
Boyer, Keith		Box Series I-4
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Bozhko, N.	1966	Box Series I-4
Bradbury, Norris	1946-1969	Box Series I-4
industrial cooperation, abstract of SMU's Oak Ridge talk; consulting Critchfield, Charles L. Peters, Max S. See Gamow, George See Jarmie, Nelson		
Brahana, Thomas	1982	Box Series I-4
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Bram, Leila D.	1969	Box Series I-4
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Brant, Bruce Edward	1979	Box Series I-4
Audio book of Adventures, binary-quadenary, alternatives to Braille		
Brase, Corinne	1970	Box Series I-4
Brauer, Richard	1941; 1957-1958; n.d.	Box Series I-4
John von Neumann article		
Braun, Martin	1974	Box Series I-4
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Briggs, W[illiam] E.	1974	Box Series I-4
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Brillouin, Leon		Box Series I-4
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Classification of docs., SMU notes, 1/4/51 letter Belcher, Philip F. Wheeler, John A.		
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Brinton, Crane	1946-1957	Box Series I-4
Harvard Society of Fellows		
British Chess Magazine	1960	Box Series I-4
Brittain, Donald	1966	Box Series I-4
Fermi film proj.		
Brittin, Wesley	1961; 1970-1972	Box Series I-4
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LASL research program, Oppenheimer Mem.		
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Brosche, P[eter]	1967-1968	Box Series I-4
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[Brossa?], Beryl	1975	Box Series I-4
Brotzman, Donald G.	1970	Box Series I-4
Brown, Harold	1980	Box Series I-4
Secretary of Defense		
Brown, Harrison	1966-1972	Box Series I-4
Brown, Norman L.	1972-1974	Box Series I-4
Brown, Randall J.	1975	Box Series I-4
Brownell, F. H.	1960-1961	Box Series I-4
Brownson, Helen L.	1957	Box Series I-4
Mathematical notes on letter		
Brueckler, Keith	1969	Box Series I-4
Brylewski, [Tom]	1976	Box Series I-4
Brzezinski, Zbigniew	1978-1980	Box Series I-4
White House reception, Poland		
Buck, R. Creighton	1971	Box Series I-4
Chris Todd		



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Budrewicz, [?]	1973	Box Series I-4
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[Buersching?], Margaret Beyer	1976	Box Series I-4
Bulletin of the Atomic Scientists	1969	Box Series I-4
Wilson, J. S.		
Bumcrot, Robert J.	1972	Box Series I-4
Bundy, McGeorge	1965	Box Series I-4
Special Asst. to the President for National Security		
Burbidge, Geoffrey	1963-1973	Box Series I-4
Explosive phenomena and nucleosynthesis in stars & galaxies		
Burbidge, Margaret		
Burbidge, Margaret	1963-1964	Box Series I-4
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Burgwin, Howard	1964; 1967	Box Series I-4
Burington, Richard S.	1957-1960	Box Series I-4
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Burks, Arthur W.	1961-1971	Box Series I-4
Cellular automata		
Burlage, [Diane]	1979	Box Series I-4
Burton, Victor M.	1967	Box Series I-4
Busemann, Herbert	1942, 1944-1947	Box Series I-4

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Cade, J. A.	1966	Box Series I-5
Cahn, Anne H.	1970-1971	Box Series I-5
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Calder, Nigel	1965-1966	Box Series I-5
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Calderon, Alberto P.	1978-1979	Box Series I-5
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Cameron, A. G. W.	1967	Box Series I-5
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Campbell, Charles C.	1965	Box Series I-5
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Campbell, Paul J.	1979	Box Series I-5
Campbell, Robert H.	1957	Box Series I-5
Organiz. charts, Nevada Test Site, propulsion reactor designs		
Canadian Journal of Mathematics	1968-1969	Box Series I-5

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Heilbronn, H.		
Canfield, Charles R.	1958	Box Series I-5
Cardus, David	1965; 1976	Box Series I-5
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Carr, John W., III	1952	Box Series I-5
Carrier, George F.	1967; 1971	Box Series I-5
Carson, Ward W.	n.d.	Box Series I-5
Carter, Ciel M.	1969	Box Series I-5
Carter, David L.	1961	Box Series I-5
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Carter, David S.	1956-1975	Box Series I-5
Carter, P[at]	1978	Box Series I-5
Carter, William J.	1976; 1980	Box Series I-5
Case, James H.	1967	Box Series I-5
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Case, Kenneth M.	1979	Box Series I-5
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Casti, John L.	1971	Box Series I-5
Cater, Steven C.	1977	Box Series I-5
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Cavender, James A.	1975-1979; n.d.	Box Series I-5
Cech, E.	1958	Box Series I-5
Celestron Pacific	1974; 1976	Box Series I-5
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Cenzer, Doug	1978	Box Series I-5
Chaitlin, G. L.	1977	Box Series I-5
Chamberlin, E.	1959	Box Series I-5
Champlain, W. P.	1953	Box Series I-5
Chan, Arthur C. H.	1970	Box Series I-5
Chandrasekhar, S.	1957-1964	Box Series I-5
Chapin, Leverett A.	1976	Box Series I-5
Chapple, Eliot D.	1980	Box Series I-5
Charney, Jule	1957-1958	Box Series I-5
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Charpie, Robert A.	1961	Box Series I-5
Chase, Gary A.	1969	Box Series I-5
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Ceatham, Thomas E., Jr.	1954	Box Series I-5
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Chevalley, C. von Neumann integer conjecture	1947	Box Series I-5
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Christiansen, Peter L.	1982	Box Series I-5
Christie, Dan E. Name mistyped as "Chirstie"	1970	Box Series I-5
Chudnovsky, David Name also spelled "Choodnovsky" Chudnovsky, Gregory Moishezon, Boris	1974-1980	Box Series I-5
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Cullinane, Steven H.	1976; n.d.	Box Series I-6

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Curtis, Kent K.	1971	Box Series I-6
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Dake, Alma Pauline Kennedy	n.d.	Box Series I-7
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Dalcher, L. P.	1957	Box Series I-7
RAIS		
Dales, D. Douglas	1978	Box Series I-7
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Daniel, James W.	1973	Box Series I-7
Dannen, Gene	1981	Box Series I-7
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Darland, Margart G.	1973	Box Series I-7
Dart, S. Leonard	1972-1973	Box Series I-7
Das, Shawpawn Kimar	1969	Box Series I-7
Dash, Harriman H.	1974	Box Series I-7
Daub, Albert	1947	Box Series I-7
Dauer, Manning	1979	Box Series I-7
Dautray, Robert	1981; 1983	Box Series I-7
Some in French		
David, Edward E.	1972	Box Series I-7
President's message to Congress on science and technology		

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Davies, Roy O.	1973	Box Series I-7
Davis, C. I.	1964	Box Series I-7
Davis, N. E.	1944	Box Series I-7
Davis, Philip J.	1958; 1975	Box Series I-7
Davis, Ronald W.	1968	Box Series I-7
Davis, W. Kenneth	1957	Box Series I-7
AEC Division of Reactor Development		
Dawson, Peter	1970	Box Series I-7
Day, Martin	n.d.	Box Series I-7
Dean, Gordon		Box Series I-7
See LeBaron, Robert--Press Conference		
Dean, R. G.	1977-1978	Box Series I-7
de Branges, Louis	1979; 1981	Box Series I-7
Degen, Louis	1971?	Box Series I-7
Mathematics and industry		
de Groot, J.	1959	Box Series I-7
de Hoffmann, Frederic	1946	Box Series I-7
Declassified documents list		
Delage, Robert	1969	Box Series I-7
In French		
de Lamadrid, J. Gil	1956	Box Series I-7
Delbruck, Max	1961; 1967	Box Series I-7

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del Junco, Andres	1968	Box Series I-7
Dell'Antonio, G. F.	1977	Box Series I-7
Deller, R. A.	1946-1947	Box Series I-7
Bell Telephone		
del Regato, J. A.	1980	Box Series I-7
Del Tredici, Robert	1982	Box Series I-7
de Mille, Richard	1978; 1983	Box Series I-7
DeMillo, Richard A.	1970	Box Series I-7
Department of State, Washington, D.C.	1947	Box Series I-7
re: Juliusz Ulam		
de Santillana, G.	n.d.	Box Series I-7
Desen, Stanley	1952	Box Series I-7
Nonlinear quantum mechanics Arnowitz, Richard		
Desoer, Charles A.	1959	Box Series I-7
Deutsch, Alex T.	1959	Box Series I-7
Rocket thrust patent		
de Valpine, Jean	1955	Box Series I-7
deVaucouleurs, G.	1970	Box Series I-7
Dewar, James A.	1971-1972	Box Series I-7
re: dissertation on nuclear rocket program		
Dewdney, A. K.	1977; 1980	Box Series I-7



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DeWitt, Bryce		Box Series I-7
See Wheeler, John A.		
Deya, M.		Box Series I-7
See Berge, Claude		
Diaconis, Persi	n.d.	Box Series I-7
Dickason, Donald P.	1954	Box Series I-7
Dickey, Leroy J.	1982	Box Series I-7
Dieter, Ulrich	1972-1974	Box Series I-7
Some in German		
Dietz, Klaus	1976	Box Series I-7
Dieudonné, J. A.	1971	Box Series I-7
Di Luzio, Frank G.	1967; 1983; n.d.	Box Series I-7
Dinculeanu, N.	1974	Box Series I-7
DiPrima, Richard C.	1970	Box Series I-7
Dittersdorf, Anita	n.d.	Box Series I-7
In French		
Dittrich, Walter	1983	Box Series I-7
Dobkin, David	1976	Box Series I-7
Lipton, Richard J.		
Dodd, Paul A.	1958	Box Series I-7
See von Neumann, John, Folder #6		
Dominik, Edward	1976-1977	Box Series I-7

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Donchin, Dale	1970	Box Series I-7
Doran, Robert S.	1972	Box Series I-7
Dormeyer, K. A.	1948	Box Series I-7
Lane, William		
Dorwart, Harold L.	1977	Box Series I-7
Doubilet, Peter	1972	Box Series I-7
Douglas, Steven R.	1980-1981	Box Series I-7
Cell division		
Douglass, Robert J.	1983	Box Series I-7
Douthitt, Kathleen G.	1962	Box Series I-7
Downing, Frank W.	1966	Box Series I-7
Dreben, Burton	1978-1982	Box Series I-7
Dreese, Mitchell J.	1964	Box Series I-7
Drell, Sidney D.	1981	Box Series I-7
Dresden, Max	1965-1966; 1974	Box Series I-7
Dresher, M.	1956	Box Series I-7
Games, chess		
Dressel, F. G.	1961	Box Series I-7
Drobot, Stefan	1962-1963; 1971	Box Series I-7
TMs. - Notre Dame Conf. on Mathematical Models in Physical Sciences		
Ducander, Charles F.	1959	Box Series I-7
House of Reps. Committee on Science & Astronautics		

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Duclaud-Lacoste, Pascal	1973	Box Series I-7
Henniart, Guy		
Dudley, Russell E.	1958	Box Series I-7
Duff, G. F. D.	1971	Box Series I-7
Duffin, R. J.	1973	Box Series I-7
Dugundji, J.	1969	Box Series I-7
Dumas, A. M.	1967	Box Series I-7
Duncan, Fred	1976	Box Series I-7
Duncan, Robert Light	1969	Box Series I-7
Dunn, T. A.	1971-1972	Box Series I-7
Beard, G. Victor		
Dunnett, G. W.	1979	Box Series I-7
Dunod	1969	Box Series I-7
Some in French, re: French ed. of Math. & Logic Han, F.		
Durrie, John N.	1969	Box Series I-7
re: honorary degree - Univ. of New Mexico		
Dynkin, E. B.	1981; n.d.	Box Series I-7
Soviet antisemitism		
Kazhdan, David		
Kiefer, J.		
Piatetski-Shapiro, I. I.		
Dyhre, A. E.	1959	Box Series I-7

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LASL consultants		
Dyson, Freeman, J.	1958-1979; n.d.	Box Series I-7
Ballistic missile defense, ORION		
Eaton, W. T.	1975	Box Series I-8
Ebenstein, Ruth (Mrs. William)	1944	Box Series I-8
Ebenstein, William	1945	Box Series I-8
Eberly, J. H.	1978	Box Series I-8
Eckart, Carl	1959	Box Series I-8
Transformations		
Eddy, William F.	1977	Box Series I-8
Edelman, Gerald	1978; 1983	Box Series I-8
Edlman, J.	n.d.	Box Series I-8
Edwards, Robert	1972-1973	Box Series I-8
Eelbs, Jim	1954	Box Series I-8
Eggers, Maxine A.	1958	Box Series I-8
Eggleston, H. G.	1956	Box Series I-8
Eggleton, Roger B.	1974	Box Series I-8
Ehrenfeucht, Andrzej	1974	Box Series I-8
Ehrlich, Dick	1969	Box Series I-8
Eidesstattliche Erklärung	1978; n.d.	Box Series I-8
In German		
Eigen, Manfred	1971-1972	Box Series I-8

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Eilenberg, Samuel	1957	Box Series I-8
Eilstein, Helena	1959	Box Series I-8
In Polish		
Eisele, Carolyn	1977	Box Series I-8
Eisenhart, Churchill	1949	Box Series I-8
Eisenstein, Edward M.	1970	Box Series I-8
Eliezer, David F.	1957	Box Series I-8
Computer chess		
Elkeles, Adolf John	1935; 1939	Box Series I-8
Some in German		
Ellingwood, Robert	1967-1970	Box Series I-8
Univ. of Colorado		
See Manning, Thurston		
Elliott, Peter D.	1975; 1980	Box Series I-8
Ellis, Homer	1972	Box Series I-8
Ellis, R. Hobart	1967	Box Series I-8
Elsasser, Walter M.	1959-1960	Box Series I-8
Else, Jon	1980	Box Series I-8
Oppenheimer film		
Emmanuel, Betty	1979	Box Series I-8
Enarson, Harold L.	1967	Box Series I-8
Engelking, Ryszard	1982-1983	Box Series I-8

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Some in Polish, Kuratowski

Zygmund, Antoni

See Ser.IX Kazimierz Kuratowski--A Reminiscence

Eoll, John G.	1982-1983	Box Series I-8
Epstein, Bernard	1977-1978	Box Series I-8
Epstein, Marvin A.	1957	Box Series I-8
Erdélyi, A.	1958	Box Series I-8
Erdős, Paul		Box Series I-8
Math. problems, politics		
Folder #1	1938-1946	Box Series I-8
Algebra		
Folder #2	1947-1950	Box Series I-8
Primes, probability		
Folder #3	1951-1961	Box Series I-8
transformations		
Folder #4	1962-1968	Box Series I-8
Set theory		
Folder #5	1969-1970	Box Series I-8
Borel sets		
Rao, B. V.		
Folder #6	1971-1972	Box Series I-8
Fermat		
Folder #7	1973-1976	Box Series I-8

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Adventures, 5/3/76 re:Japan		
Folder #8	1977-1983	Box Series I-8
Interview		
Folder #9	n.d.	Box Series I-8
Folder #10	n.d.	Box Series I-8
Folder #11	n.d.	Box Series I-8
Prodigies		
Folder #12	n.d.	Box Series I-8
Peter Kornya		
Ernest, John	1977	Box Series I-8
EST. Edizione Scientifiche e Techniche	1972	Box Series I-8
Macorini, Edgardo		
Estabrook, George F.	1969-1976	Box Series I-8
Estrin, Gerald	1973; 1979	Box Series I-8
Ettlinger, H. J.	1974	Box Series I-8
Evans, Arthur	1977	Box Series I-8
Evans, Christopher	1976	Box Series I-8
Evenbeck, Scott	1979	Box Series I-8
Everett, C. J.		Box Series I-8
Folder #1	1944-1969	Box Series I-8
set theory		
See Birkhoff, Garrett		
See Kelly, Paul		

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Folder #2	n.d.	Box Series I-8
ASTP, ASTR		
Folder #3	n.d.	Box Series I-8
Folder #4	n.d.	Box Series I-8
Algebra, Fermat		
Folder #5	n.d.	Box Series I-8
Los Alamos		
Folder #6	n.d.	Box Series I-8
real numbers		
Everett, Hugh, III	1957	Box Series I-8
DeWitt, Bryce Weiner, Norbert		
Ewens, W. J.	1971	Box Series I-8
Ewing, John	1981	Box Series I-8
Exotech Incorporated	1967	Box Series I-8
Cooley, W. C.		
Faber, Vance	1973-1979	Box Series I-9
Fabergé, A. C.	1976	Box Series I-9
Fabian, Tibor	1977-1978	Box Series I-9
Fagundes, Helio V.	1981-1982	Box Series I-9
Fajtlowicz, Siemion	1972	Box Series I-9
Falk, Harold	1967	Box Series I-9



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Falkoff, Adin	1958	Box Series I-9
Farcl[?]er, Peter H.	n.d.	Box Series I-9
Farkas, Imre	1981	Box Series I-9
Farlow, Stanley J.	1978	Box Series I-9
Farmer, Doyne	1982	Box Series I-9
Wolfram, Stephen		
Fathi, Albert	1980-1981	Box Series I-9
Some in French		
J. W. Fecker, Incorporated	1957-1958	Box Series I-9
Telescope, eyesight		
Federico, P. J.	1977	Box Series I-9
Fedunok, Suzanne	1976	Box Series I-9
Feher, G.		Box Series I-9
-See Lovberg, R.		
Feinberg, Abraham	1973	Box Series I-9
Feistel, Horst	1957	Box Series I-9
Fekete, M.	1957	Box Series I-9
Feldman, Jacob	1976	Box Series I-9
Feldmeier, Joseph R.	1961	Box Series I-9
Feldzamen, A. N.	1966	Box Series I-9
Feller, W.	1944	Box Series I-9
Fenyves, Ervin J.	1974	Box Series I-9

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Fermi, Enrico		Box Series I-9
Folder #1	1948-1954	Box Series I-9
Non-linear vibration, LASL		
Folder #2	n.d.	Box Series I-9
Obit., Taylor instability		
Von Neumann, John		
Fermi, Giulio	1956-1962	Box Series I-9
Enrico and Laura's son		
Fermi, Laura	1953-1976	Box Series I-9
Coll. works, foreign scientists		
Fernholz, E.	1936	Box Series I-9
Ferranti, Helene S.	1958	Box Series I-9
Computer games		
Industrial Bulletin		
Ferraté, Gabriel A.	1977	Box Series I-9
Ferris, Jean	1970	Box Series I-9
Ferry, Steve	1979	Box Series I-9
Feynman, Richard	1960; 1970-1973; n.d.	Box Series I-9
Physics for Math. partons		
Ficken, F. A.	1970	Box Series I-9
Fickett, Jim	1979-1981	Box Series I-9
Field, Walter S.	1976	Box Series I-9

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Fieser, Louis F.	1967	Box Series I-9
Goldhaber, Maurice		
Hofstadter, Robert		
Rabi, I. I.		
Rittenberg, David		
Fife, Paul C.	1970	Box Series I-9
Filley, Gilles	1968	Box Series I-9
Fine, Leonard W.	1979	Box Series I-9
Finegold, L[en]	1976	Box Series I-9
Finkelstein, D.	1959	Box Series I-9
Tuck, James		
Finkelstein, Harold	1973-1976	Box Series I-9
Fischer, Ed. Floyd	1976	Box Series I-9
Fisher, Gordon	1958	Box Series I-9
Fishman, Karl	1974	Box Series I-9
Hermes, H.		
Fisk, J. B.	1946-1972	Box Series I-9
Fitzgerald, Edwin R.	1958	Box Series I-9
-See Ser.XV-Fitgerald, Edwin R.		
Fitzgerald, Rosemary	1978	Box Series I-9
Fixler, Sylvain	1972-1973	Box Series I-9
Some in French		
Flanagan, Dennis	1964	Box Series I-9

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Prime number pattern, age of electronics		
Flato, Moshe		Box Series I-9
Folder #1	1974-1983	Box Series I-9
Letters in Mathematical Physics Sternheimer, Daniel		
Folder #2	n.d.	Box Series I-9
Fleming, Donald	1968	Box Series I-9
Flesner, David E.	1983	Box Series I-9
Fletcher, R. Ian	1973	Box Series I-9
Flores, Antonio J.	1936	Box Series I-9
In German		
Foch, James	1974	Box Series I-9
Folk, Dick	1982	Box Series I-9
Foran, James	n.d.	Box Series I-9
Forbes, Gilbert B.	1976	Box Series I-9
Forbush, S.	1953	Box Series I-9
Ford, Gary J.	1976	Box Series I-9
Ford, Joseph	1960-1977; n.d.	Box Series I-9
MANIAC		
Ford, Judson	1958	Box Series I-9
AEC - Sandia Base		
Ford, Kenneth W.	1977	Box Series I-9

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Ford, Lester K.	1941; 1943	Box Series I-9
Ford, Vince		Box Series I-9
Folder #1	1965	Box Series I-9
Von Neumann, rocket history		
Folder #2	1969	Box Series I-9
Chronology, p.1-47		
Folder #3	1969	Box Series I-9
Chronology, p.48-95		
Folder #4	1970	Box Series I-9
H. Brown, space study		
Forster, W.	1978	Box Series I-9
Forsyth, Joyce N.	1948	Box Series I-9
Declassified docs.		
Forsythe, George E.	1958-1959	Box Series I-9
Fort, M. K., Jr.	1958-1960	Box Series I-9
Fortier, Jean J.	1977	Box Series I-9
In French		
Fortuna, Vincent	1983	Box Series I-9
Fosdick, Lloyd D.	1970-1975	Box Series I-9
Foster, William C.	1965	Box Series I-9
Fouquet, J. L.	1979-1980	Box Series I-9
Fowler, Robert D.	1959	Box Series I-9

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LASL visiting scientists		
Fox, Ralph	1948-1956; n.d.	Box Series I-9
Cartesian products		
Fraenkel, Abraham A.	1957-1958	Box Series I-10
von Neumann		
Fraenkel, Aviezri S.	1976-1977	Box Series I-10
Frankel, Stanley	1976-1977	Box Series I-10
Frauenfelder, Hans	1976; 1983	Box Series I-10
Frauenthal, James C.	1981	Box Series I-10
Frechen, Joseph B.	1970	Box Series I-10
Abstract on product isomorphisms		
Frèchet, Maurice	1936; 1956?	Box Series I-10
In French		
Freed, William	1966-1967; n.d.	Box Series I-10
Freeman, B.	1957	Box Series I-10

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Freeman, Raoul James	1957	Box Series I-10
Fremond, M.	1983	Box Series I-10
In French		
Freudenthal, H.	1960	Box Series I-10
Friedman, Bernard	1962	Box Series I-10
Friedrichs, K. O.	1959	Box Series I-10
Frieman, Edward A.	1957	Box Series I-10
Frisch, David	1970; 1977	Box Series I-10
Frisch, H. L.	1960	Box Series I-10
Frisch, O. R.	1946-1964	Box Series I-10
3/24/64 SMU's illness Ridley, Brian Ridley, Cicely		
Froman, Darol	1958-1959; 1983	Box Series I-10
Project Rover meeting agenda See Jarmie, Nelson		

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Frontier Airlines, Inc.	1970	Box Series I-10
Frontiers of Science	1974-1976	Box Series I-10
Connelly, John Damen, Louise		
Frugé, August	1961	Box Series I-10
Fry, H. B.	1959	Box Series I-10
General Atomic		
Frye, Buck	1983	Box Series I-10
Frye, Glenn	n.d.	Box Series I-10
Fryling, Jan	1976	Box Series I-10
Humor		
Fryling, Kay (Mrs. Jan)	1977-1978	Box Series I-10
Fuc[hes?], A. W.	1941	Box Series I-10
Fuchs, W.	1969-1970	Box Series I-10
Fulks, Watson	1966-1972	Box Series I-10



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Lax, Peter		
Funderburk, Jerry	1974	Box Series I-10
Gala, Victoria	1976	Box Series I-10
Gale, D.	1954; 1961	Box Series I-10
Infinite games Stewart, F.		
Gale, M. S.	1965	Box Series I-10
Gall, W. Einar	1983	Box Series I-10
Gallagher, Leonard	1976-1980; n.d.	Box Series I-10
Gallian, Joseph A.	1978-1980	Box Series I-10
Gallucci, Vincent	1970	Box Series I-10
Galvin, Fred	1978	Box Series I-10
Gamow, Barbara	1969-1970; n.d.	Box Series I-10
Snecdotes		
Gamow, George		Box Series I-10

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Some in French

Folder #1	1949-1961	Box Series I-10
Caricature of Teller, Monte Carlo; Re: Teller 1955; 4 color galazies; Gamow lectures Bradbury, Norris Diachison, Alex N. von Neumann, John		
Folder #2	1962-1977	Box Series I-10
Bartlett, Albert Campbell, Philip M. Raymond, Detlev J. See Oversized for 16.IV.62 letter with encl.		
Folder #3	n.d.	Box Series I-10
Caricature of SMU, nuclei [Teller?], Edward		
Ganea, Tudor	1960	Box Series I-10
Garabedian, Paul R.	1959-1960	Box Series I-10
Burington, R. S. McMillan, Brockway Prim, R. C. Stoker, J. J. Young, David M.		
Gardiner, Donald A.	1975-1976	Box Series I-10

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Gardner, Martin		Box Series I-10
Folder #1	1964-1972	Box Series I-10
Games		
Folder #2	1974-1984	Box Series I-10
9/13/84 letter re: SMU's death, Adventures rev. Ulam, Françoise		
Gardner, Trevor	1961-1964	Box Series I-10
Hycon, disarmament verification, satellites, sci. advis. Board Gardner, Carie (Mrs. Trevor)		
Garel, Thomas	n.d.	Box Series I-10
Gary, Dr. ?	1968	Box Series I-10
Gaughan, Edward D.	1967-1968	Box Series I-10
Gavin, Lloyd	1979	Box Series I-10
Geiringer, Hilda	1958	Box Series I-11
Gelbaum, Bernard R.	1968	Box Series I-11

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Gelles, Gregory	1978	Box Series I-11
Gelsomino, Frank	1967	Box Series I-11
Gendron, Pierre	1970	Box Series I-11
Gentry, Frank C.	1959	Box Series I-11
Getman, Kendall G.	1959	Box Series I-11
Getting, Ivan A.	1956-1974	Box Series I-11
Gibbs, Peter	1977	Box Series I-11
Frontiers of Sci.		
Gibbs, R. C.	1953	Box Series I-11
See Scott, W. R.		
Gibrat, Robert	1974	Box Series I-11
Gibson, R. E.	1964-1966	Box Series I-11
Giese, John H.	1960	Box Series I-11
Gilbert, Raymond A.	1958	Box Series I-11

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Gilde, Hans-Georg	1978	Box Series I-11
Gillis, J.	1973-1974	Box Series I-11
Gilmore, Robert	1974	Box Series I-11
Ginsburg, Ben	1957	Box Series I-11
Stein, Paul		
Givens, Wallace	1971	Box Series I-11
Glanzberg, Al	1960	Box Series I-11
Glass, A. M. W.	1979	Box Series I-11
Glass, I. I.	1981	Box Series I-11
Glass, Leon	1975-1976	Box Series I-11
Glast, Irvine	1981	Box Series I-11
Glatz, Charles E.	1945	Box Series I-11
Glaxman, Claude	1973	Box Series I-11
In French		

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Gleason, A. M.	1957-1958	Box Series I-11
Goad, Walter B.	1969-1970	Box Series I-11
Goddard, David R.	1978	Box Series I-11
Gödel, Kurt	1942-1985	Box Series I-11
von Neumann		
Godlewski-Ophir, J.	1974	Box Series I-11
-See also Ophir, Dan		
Godlewski, S.	1973	Box Series I-11
Goffman, Casper	1952; 1957	Box Series I-11
Goldberg, Michael	1971; n.d.	Box Series I-11
Goldberg, Vladislav	1979	Box Series I-11
Golden, William T.	1982	Box Series I-11
Goldhaber, Maurice		Box Series I-11
See Fieser, Louis F.		

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Goldhaber, Michael H.	1969	Box Series I-11
Goldhaber, [Trude]	1954; 1956; 1968	Box Series I-11
Some in German		
Goldstein, Gordon D.	1975	Box Series I-11
Goldstine, Herman	1959-1967	Box Series I-11
Golomb, Michael	1959	Box Series I-11
Golomb, Solomon W.	1960	Box Series I-11
Golovin, N. E.	1949; 1962	Box Series I-11
Rover		
Gomulka, Joanna	1982-1983	Box Series I-11
Some in Polish		
Good, I. J.	1952	Box Series I-11
Good, Robert J.	1961	Box Series I-11
Goodall, Marcus	n.d.	Box Series I-11

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Goodman, Al. W.	1983	Box Series I-11
Goodman, William B.	1977	Box Series I-11
Goodner, Dwight B.	1974	Box Series I-11
Goodwin, R. M.	1980	Box Series I-11
Gopalan, M. A.	1983	Box Series I-11
Goppett, John W.	1970-1971	Box Series I-11
Gordon, Martin B.	1961-1962	Box Series I-11
Carlson, Bengt		
Gordon, Richard	1967; 1973	Box Series I-11
Gore, Marge (Margaret)	1967-1971; n.d.	Box Series I-11
Gorman, Elizabeth	1957-1958	Box Series I-11
Gottenberg, William G.	1968	Box Series I-11
Gottlieb, Dianne	1965-1966	Box Series I-11



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Grad, Arthur	1959	Box Series I-11
Graham, Ronald L.	1973-1982; n.d.	Box Series I-11
Granas, A.	1976	Box Series I-11
Some in French		
Gras, Edwin C.	1940	Box Series I-11
Harvard		
Graustein, William C.	1939	Box Series I-11
Graves, Alvin C.	1957	Box Series I-11
See LeBaron, Robert--Press Conference		
Graves, Elton	1973	Box Series I-11
Graves, L. M.	1938; 1943; n.d.	Box Series I-11
Gray, J. D.	1967	Box Series I-11
Green, John W.	1957-1960	Box Series I-11
See American Mathematical Society		
See Birkhoff, Garrett		

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Greenstein, Jesse	1971	Box Series I-11
Math depts.		
Greenwood, Fred L.	1968	Box Series I-11
Greenwood, Robert E.	1977-1978	Box Series I-11
Gregg, Lee W.	1974	Box Series I-11
Gregory, A. S.	1956	Box Series I-11
Griego, Richard J.	1977	Box Series I-11
Taos bio-math, conference		
Griffiths, H. B.	1958	Box Series I-11
Griggs, David	1947	Box Series I-11
See Brooks, Harvey		
Grimeisen, Gerhard	1970	Box Series I-11
Gropetti, H.		Box Series I-11
Luthy, M.		
Gros Louis, Kenneth R. R.	1982	Box Series I-11

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Grünbaum, Branko	1957-1958	Box Series I-11
some in Hebrew		
Grusin, Don	1966	Box Series I-11
Guberman, J.	1980	Box Series I-11
Guenard, François	1981	Box Series I-11
Some in French		
Guenther, Ronald B.	1979	Box Series I-11
Gueron, Michèle	1977	Box Series I-11
Gugu, Alexandra	1974-1975	Box Series I-11
Gullion, Ralph	1964	Box Series I-11
Gunn, John O.	1960	Box Series I-11
Güntzer, Ulrich	1969	Box Series I-11
Gupta, P. C.	1977-1978	Box Series I-11
Gustafson, Karl	1969-1978	Box Series I-11

**Series I. Professional correspondence, 1932-1986**

Univ. of Colorado		
Guthery, Scott B.	1970	Box Series I-11
Guy, Richard K.	1968-1975	Box Series I-11
Haar, D. ter		Box Series I-12
See ter Haar, D.		
Haddad, H. M.	1969-1970	Box Series I-12
Hagopian, C[huck]	1979	Box Series I-12
Haimo, F.	1960	Box Series I-12
Hair, H. B.	1972	Box Series I-12
Hajnal, A.	1972	Box Series I-12
Babai, L.		
Haken, H.	1983	Box Series I-12
Halász, Sylvia	1973-1974	Box Series I-12
Hall, Edward T.	1976; 1981	Box Series I-12

## Series I. Professional correspondence, 1932-1986

Hall, Marshall, Jr.	1971	Box Series I-12
Halladay, Henry		Box Series I-12
Folder #1	1969	Box Series I-12
Court case on computer development Tinkham, Thomas		
Folder #2	1970	Box Series I-12
Trial memo		
Folder #3	1971-1976	Box Series I-12
Haller, Rudolf	1983	Box Series I-12
Halmos, Paul R.	1942; 1949; n.d.	Box Series I-12
Halperin, Israel	1957-1982	Box Series I-12
See Whitman, Marina von Neumann		
Hama, Francis R.	1961	Box Series I-12
Hamann, H. Fredrick	1955	Box Series I-12
Anderson, Clinton P.		

**Series I. Professional correspondence, 1932-1986**

Hammer, F. David	1976	Box Series I-12
Hammer, Peter	1970-1978	Box Series I-12
Hammer, Preston C.	1971	Box Series I-12
Hammersley, J. M.	1961; 1970	Box Series I-12
Hamming, Richard	1947	Box Series I-12
Hancock, John E. H.	1959	Box Series I-12
Handler, Philip	1971-1978	Box Series I-12
See also Keldysh, M. V.		
Hanna, J. Ray	1969	Box Series I-12
Hannick, Francis	1978	Box Series I-12
Masters thesis		
Hanson, Harold P.	1976	Box Series I-12
Harari, H.	1980	Box Series I-12
Harary, Frank	1958-1959; 1971	Box Series I-12

## Series I. Professional correspondence, 1932-1986

Hardie, Bradford	1977	Box Series I-12
Hardy, Joan E.	1960; n.d.	Box Series I-12
Harlow, Francis H.	1956	Box Series I-12
See oversize for 14 May 1957		
Harper & Row, Publishers	1968	Box Series I-12
Vance, Blake E.		
Harris, Julian	1947	Box Series I-12
Harris, Lawrence	1979	Box Series I-12
Harris, Theodore E.	1946-1950	Box Series I-12
Harrison, Marvin [S.?)	1976	Box Series I-12
Hartgering, James B.	1962	Box Series I-12
Hartzman, Carl S.	1979	Box Series I-12
Harvard University Society of Fellows	1957-1975	Box Series I-12
Hoxie, E. F.		
Leontif, Wassily		

## Series I. Professional correspondence, 1932-1986

Hatch, Eastman N.	1974	Box Series I-12
Hay, Patricia	1942	Box Series I-12
Hawkins, David		Box Series I-12
Folder #1	[1945?]-1973	Box Series I-12
Primes, MANIAC See Peters, Max		
Folder #2	n.d.	Box Series I-12
Folder #3	n.d.	Box Series I-12
Ulam, Claire		
Folder #4	n.d.	Box Series I-12
Stats., philos.		
Hawkins, Thomas	1983	Box Series I-12
Haworth, Leland	1968	Box Series I-12
Heady, Ferrel	1969	Box Series I-12
Hon. degree		



**Series I. Professional correspondence, 1932-1986**

Heatherly, Henry E.	1976	Box Series I-12
Heisenberg, W.	1965	Box Series I-12
Hejtmanek, Hans	1969-1982	Box Series I-12
Helfenstein, H.	1958	Box Series I-12
Heller, Robert L.	1978	Box Series I-12
Heller, Sidney	1970-1971	Box Series I-12
Hellerman, Leo	1976	Box Series I-12
Hellerman, Robert H. G.	1979	Box Series I-12
Helson, Henry	1951-1958	Box Series I-12
See Steinhaus, Hugo		
Hempelmann, L. H.	1945	Box Series I-12
LASL health hazards		
Hendrickson, M. S.	1958	Box Series I-12
Henkin, Leon	1971	Box Series I-12

## Series I. Professional correspondence, 1932-1986

Henney, Dagmar	1973	Box Series I-12
Henniart, Guy		Box Series I-12
See Duclaud-Lacoste, Pascal		
Henningsen, Peter	1979	Box Series I-12
Hénon, Michel	1967	Box Series I-12
Henri, [?]	1966	Box Series I-12
Henrick, John J.	1960	Box Series I-12
Henriques, F. C.	1956	Box Series I-12
Hensley, Douglas	n.d.	Box Series I-12
Herbstein, F. H.	1977-1978	Box Series I-12
Herman, Bob (Robert)	1969-1970	Box Series I-12
Herman, Gabor T.	1971	Box Series I-12
Hermann, Robert	1958	Box Series I-12

**Series I. Professional correspondence, 1932-1986**

Hermes, Henry	1972-1976	Box Series I-12
SIAM		
Herz, J. C. (Jean-Claude)	1965; 1967	Box Series I-12
Hessel, Samuel J.	1979	Box Series I-12
Hestenes, M. R.	1958	Box Series I-12
Heuer, Ken	1975; 1980	Box Series I-12
Hewitt, Edwin	1947; 1960-1961	Box Series I-12
Hewlett, Richard G.	1968-1969	Box Series I-12
Higier, Theodore	1964	Box Series I-12
Higman, Howard	1964	Box Series I-12
Conf. on world affairs		
Hill, Albert G.	1962-1964	Box Series I-12
Wiesner, Jerome B.		
Hilton, Peter	1967	Box Series I-12

## Series I. Professional correspondence, 1932-1986

Hines, Richard P.	1958	Box Series I-12
Hirschfelder, Joseph O.	1963	Box Series I-12
Hoarse, Graham	1980-1981	Box Series I-13
Hobbs, Arthur M.	1978	Box Series I-13
Hodges, Andrew P.	1979	Box Series I-13
Hodges, John H.	1970-1973	Box Series I-13
Griffin, Edmond E.		
Hoerlin, Hermann	1956; 1961	Box Series I-13
LASL space committee		
Hoffman, Frederick	1974	Box Series I-13
talk outlines		
Hofstadter, Douglas R.	1977-1981	Box Series I-13
Hofstadter, Robert	1975	Box Series I-13
See also Fieser, Louis F.		
Holladay, John C.	1964-[1977?]	Box Series I-13

## Series I. Professional correspondence, 1932-1986

Hollis, William H.	1955-1956	Box Series I-13
Von Neumann, John		
Holsztynski, Wlodzimierz	1975-1979	Box Series I-13
Holt, Rinehart and Winston	1977	Box Series I-13
re: Adventures Klein, Norman		
Holter, Norman J.	1976	Box Series I-13
Holton, Mary	1978	Box Series I-13
Honig, William	1977	Box Series I-13
Hooper, Jane	1954	Box Series I-13
Hopf, H.	1936; 1951	Box Series I-13
In German		
Hopkins, Frank S.	1940	Box Series I-13
Horowitz, A.	1956-1957	Box Series I-13
chess		

## Series I. Professional correspondence, 1932-1986

Horwitz, Paul	1969	Box Series I-13
ABM issue		
Householder, A. S.		Box Series I-13
Folder #1	1948-1956	Box Series I-13
Monte Carlo, Mathematical Profiles Project (MPP)		
Folder #2	Nov. 1956	Box Series I-13
Folder #3	Dec. 1956	Box Series I-13
Folder #4	1957	Box Series I-13
Folder #5	n.d.	Box Series I-13
Howard, William M.	n.d.	Box Series I-13
Howorka, Edward		Box Series I-13
Folder #1	1973-1978	Box Series I-13
Folder #2	1979-1981	Box Series I-13
Folder #3	n.d.	Box Series I-13

## Series I. Professional correspondence, 1932-1986

SMU's notes		
Hoyt, Henry	1949; 1958; 1969	Box Series I-13
LASL security of top secret docs.		
Huang, Kerson	1974-1975	Box Series I-13
Hudson, Craig C.	1960	Box Series I-13
Hughes, A. L.	1943-1944	Box Series I-13
Invitation to Los Alamos		
Hunter, Kenneth E.	1963-1970	Box Series I-13
Hycon		
Hurd, Cuthbert	1949-1983	Box Series I-13
Monte Carlo		
Hyers, Donald H.		Box Series I-13
Folder #1	1942-1954	Box Series I-13
USC; papers		
Folder #2	1955-1982	Box Series I-13

## Series I. Professional correspondence, 1932-1986

Folder #3	n.d.	Box Series I-13
Folder #4	n.d.	Box Series I-13
Hyman, [Anton] A.	1961	Box Series I-13
Ickes, Harold	1969	Box Series I-14
ABM		
Ihrig, Edwin		Box Series I-14
Folder #1	1980-1981	Box Series I-14
Folder #2	n.d.	Box Series I-14
Ilisevich, Robert D.	1971	Box Series I-14
Inghram, Mark G.	1968	Box Series I-14
Ingraham, R[ichard L.]	1952-1955	Box Series I-14
International Research and Exchanges Board	1973	Box Series I-14
Scott, Cynthia Vilkas, Eduardas		



## Series I. Professional correspondence, 1932-1986

Interscience Publishers, Inc.	1957-1960	Box Series I-14
Collection of Mathematical Problems		
Kask, Warren		
Kent, Leonard B.		
King, Charles H.		
Mosbacher, C. J.		
Proskauer, E. S.		
Irwin, John	1978	Box Series I-14
Irwin, William J.	1957	Box Series I-14
Isa[?]dor, Wladimir	1936	Box Series I-14
Isaacs, Rufus	1957-1958	Box Series I-14
Game theory		
Iseki, Kiyosi	1939	Box Series I-14
Ivry, Benjamin	1981	Box Series I-14
Jacob, George	1973	Box Series I-14
Jacobs, Earl E.	1961	Box Series I-14
Jacobsen, Thomas W.	1982	Box Series I-14

## Series I. Professional correspondence, 1932-1986

Jaffe, Robert L.	1981	Box Series I-14
Janssen, William Earl	1976	Box Series I-14
Jarmie, Nelson	1958	Box Series I-14
LASL Bradbury, N. E. Froman, D. K.		
Jaworowski, Jan	1958; 1961	Box Series I-14
In Polish		
Jehle, Herbert	1968	Box Series I-14
Jensen, Hans D.	1970	Box Series I-14
Jessor, Richard	1971	Box Series I-14
Joffe, Anatole	1977-1978	Box Series I-14
Some in French		
John, Fritz	1952-1961; 1971	Box Series I-14
problems		
Johnson, Donnelly J.	1969	Box Series I-14

## Series I. Professional correspondence, 1932-1986

Johnson, Gordon G.	1975	Box Series I-14
Johnson, Laurence W.	1977	Box Series I-14
Johnson, Paul B.	1958-1959	Box Series I-14
Johnson, Ralph M.	1972; 1976-1977	Box Series I-14
Johnson, Ralph P.	1958	Box Series I-14
Johnson, Shirley	1972; 1975	Box Series I-14
Jones, Burton W.	1957-1977	Box Series I-14
Univ. of Colorado		
Jones, James P.	1983	Box Series I-14
Jones, R. Michael	1967	Box Series I-14
Just, Kurt	1961	Box Series I-14
K[?], E[?]	1970	Box Series I-14
Kac, Mark		Box Series I-14

## Series I. Professional correspondence, 1932-1986

Folder #1	1955-1964	Box Series I-14
See Borgese, Elizabeth Mann See Preece, Warren E.		
Folder #2	1965-1968	Box Series I-14
Mathematics and Logic; Rota comments Borgese, Elizabeth Mann		
Folder #3	1969-1970	Box Series I-14
Reviews		
Folder #4	1971-1978	Box Series I-14
Some in French, Lebesque		
Folder #5	1979-1983	Box Series I-14
Some in Russian		
Folder #6	n.d.	Box Series I-14
Marceli Stark, Adventures		
Kadushin, Evelyn G.	n.d.	Box Series I-14
Kahane, Joseph	1969-1970	Box Series I-14
Kahn, Herman	1949; 1954	Box Series I-14

**Series I. Professional correspondence, 1932-1986**

## Monte Carlo

Kakutani, Shizuo	1941; 1950-1958	Box Series I-14
Kalk, W. Richard	1982	Box Series I-14
Kallet, [Tony]	1976	Box Series I-14
Kallman, Robert R.	1973-1979	Box Series I-14
Kalman, Rudolph	1974; 1979	Box Series I-14
See also Whitman, Marina von Neumann		
Kaluza, Roman	1980	Box Series I-14
Some in Polish, Banach		
Kamimura, K.	1980	Box Series I-14
Kampe de Fériet, J.	1953-1954	Box Series I-14
Some in French		
Kannai, Y.	1976	Box Series I-14
Kantor, Jean-Michel	1981	Box Series I-14
Kaplan, Wilfred	1957	Box Series I-14

## Series I. Professional correspondence, 1932-1986

Kaplanski, Irving	1963; 1978	Box Series I-14
Karff, Mona M.	1981	Box Series I-14
Kariotis, Christina	1976	Box Series I-14
Karlin, Samuel	1971-1972	Box Series I-14
Karlsson, Johan	1974	Box Series I-14
Karpinski, Marek	1977-1980; n.d.	Box Series I-14
See Pallascke, D.		
Karst, Edgar	1961-1961	Box Series I-14
Kates, Robert W.	1977	Box Series I-14
NAS-human rights		
Katz, Paul H.	1953	Box Series I-14
Katz, Richard J.	1977	Box Series I-14
Kauffman, Andrew J.	1957-1958	Box Series I-14
Juliusz Ulam		

**Series I. Professional correspondence, 1932-1986**

Kaufman, Brian	1980	Box Series I-14
Kaufmann-Buhler, Walter	1980	Box Series I-14
Kautz, Willam H.	1963	Box Series I-14
Kaysen, Carl	1971-1972	Box Series I-14
Kazanowski, Albin	1979	Box Series I-14
Keeny, Spurgeon M.	1960-1961	Box Series I-14
Keesling, James	1972-1980	Box Series I-14
Kehl, William B.	1958	Box Series I-14
Keilson, Julian	1951-1952	Box Series I-14
Kekst, Gershon	1980	Box Series I-14
Keldysh, M. V.	1973	Box Series I-15
Sakharov Handler, Philip		
Kellogg, J. M. B.	1959	Box Series I-15

## Series I. Professional correspondence, 1932-1986

Kelly, Armand	1949	Box Series I-15
Kelly, Harry C.	1960	Box Series I-15
Kelly, Paul		Box Series I-15
Folder #1	1941-1949	Box Series I-15
War years Everett, C. J.		
Folder #2	1955-1975	Box Series I-15
Visual hull		
Folder #3	1976-1980	Box Series I-15
Folder #4	n.d.	Box Series I-15
Papers Bondy, J. A. Hemminger, R. L.		
Folder #5	n.d.	Box Series I-15
Kemeny[?], John	1947	Box Series I-15
Kennedy, Sargent	1970-1971	Box Series I-15



## Series I. Professional correspondence, 1932-1986

Kepski, Julius	1982	Box Series I-15
Kerr, Donald M.	1981-1982	Box Series I-15
Metropolis, N.		
Kershner, R[ichard] B.	1970	Box Series I-15
Kessler, Richard Lee	1964	Box Series I-15
Khinchin, A. I.	1951?	Box Series I-15
Kiefer, J[ack]	1972	Box Series I-15
Kielczewski, Z.	1975	Box Series I-15
Nowak, S.		
Kiesler, Bruno	1974	Box Series I-15
Killian, J. R.	1956	Box Series I-15
Kilmer, William L.	1962	Box Series I-15
Kim, K. J.	1981; n.d.	Box Series I-15
Kimball, R. M.	1949	Box Series I-15

## Series I. Professional correspondence, 1932-1986

## LASL

Kimble, H. Jeff	1982	Box Series I-15
King, Donald West	1972; 1974	Box Series I-15
King, Gilbert W.	1959	Box Series I-15
King, Percival	1967	Box Series I-15
Fermiac calculator		
Kingman, John	1977-1978	Box Series I-15
Kishimoto, Akitaka	1978	Box Series I-15
Kisiel, Chester C.	1970	Box Series I-15
Kissell, Mary C.	1972	Box Series I-15
Kisslinger, Carl	1979	Box Series I-15
Kister, Jim	1956-1957	Box Series I-15
Kistiakowsky, George B.	1959-1977	Box Series I-15
Muskie campaign		

**Series I. Professional correspondence, 1932-1986**

Klamkin, M. S.	1959	Box Series I-15
Newman, D. J.		
Klaring, Wermer	1972	Box Series I-15
Klauder, John R.	1980	Box Series I-15
Kleban, Eugene	1974; 1977	Box Series I-15
Polish Institute of Arts and Sciences in America		
Klee, Victor	1958; 1973-1974	Box Series I-15
Computers See also McCarthy, Joseph L.		
Kleene, Stephen C.	1940-1942; 1967	Box Series I-15
Klein, Jacob	1956	Box Series I-15
Klein, Morris	1978	Box Series I-15
Kleinberger, P. A. (Mrs.)	1963	Box Series I-15
Kleinfeld, Erwin	1977	Box Series I-15
Kleitman, Daniel	1961-1976	Box Series I-15

**Series I. Professional correspondence, 1932-1986**

Erdö		
Kleppner, Adam	1971-1972	Box Series I-15
Klethyn, Anatol	n.d.	Box Series I-15
anagrams of SMU's name		
Kletzing, Dennis	1977-1978	Box Series I-15
Kline, J. R.	1942-1945	Box Series I-15
war		
Kluczynski, Thomas E.	1964	Box Series I-15
Knee, David	n.d.	Box Series I-15
Knight, Bruce	1973	Box Series I-15
Knight, Gary A.	1981	Box Series I-15
Knudsen, Vern O.	1958-1959	Box Series I-15
See von Neumann, John, Folder #6		
Kobelinski, Mitchell P.	1971	Box Series I-15
Kochen, Manfred	1976-1977	Box Series I-15

## Series I. Professional correspondence, 1932-1986

Wilson, Linda M.		
Kohler, Foy D.	1982	Box Series I-15
Kolata, Gina Bari	1975	Box Series I-15
Kolman, Bernard	1983	Box Series I-15
Kolo Lwowian	1976	Box Series I-15
Kolodner, I. I.	1971; n.d.	Box Series I-15
Kolstead, George A.	1964	Box Series I-15
See Pasta, John		
Kölzow, D.	1979	Box Series I-15
Konopinski, Emil	1965; 1970	Box Series I-15
Kopec, Ada	1976-1977; n.d.	Box Series I-15
Some in Polish		
Kopman, Gerd	1976; 1978	Box Series I-15
Koprowska, Irena	1973-1974	Box Series I-15

## Series I. Professional correspondence, 1932-1986

Koprowski, Hilary	1976	Box Series I-15
Korevar, Jaap	1971	Box Series I-15
Kosciuszko Foundation	1974	Box Series I-15
Miskiewicz, Sophia		
Koshland, Daniel	1981	Box Series I-15
Koski, Walter	1947	Box Series I-15
Kott, Lidka	1962-1963; 1975, n.d.	Box Series I-15
Some in Polish Steinhaus' daughter		
Kouri, Robert	1971	Box Series I-15
Kout, Robert T.	1978	Box Series I-15
Kowalik, J. S.	1982-1983	Box Series I-15
Kraichman, R.	1958	Box Series I-15
Kramer, Ernst	1972	Box Series I-15

**Series I. Professional correspondence, 1932-1986**

Kramish, Arnold	1976-1980	Box Series I-15
Kreweras, Germain	1966	Box Series I-15
Krinsky, Susan	1966	Box Series I-15
Leontif, Wassily		
Krohn, Robert	1957; 1969	Box Series I-15
Computer history		
Kruskal, Joseph B.	1977	Box Series I-15
Kruskal, Martin	1953-1958; 1972	Box Series I-15
See also Zabusky, Norman		
Krzywoblocki, M. Z. E.	1970-1971	Box Series I-15
Some in Polish		
Krzyzanowski, Ludwik	1980	Box Series I-15
Krzyzewski, Tadeusz	1977-1978	Box Series I-15
Some in Polish		
Kuehne, Mary Ellen	1967-1968	Box Series I-15

## Series I. Professional correspondence, 1932-1986

Kugler, Larry	1980; n.d.	Box Series I-15
Kuhn, Hans	1973-1974	Box Series I-15
Kuhn, Harold W.	1957	Box Series I-15
See Luke, John W.		
Kuiper, Gerard P.	1953	Box Series I-15
Gamow, G.		
Kunz, Jozef	1980	Box Series I-15
Kuper, Marietta	1957-1958	Box Series I-15
Kuperberg, Wlozimierz	1983	Box Series I-15
Kupiec, Yaakov	1977	Box Series I-15
Kuratowska, Zofia	1983	Box Series I-15
In Polish		
Kuratowski, Kazimierz		Box Series I-15
Some in Polish		
Folder #1	1936-1958	Box Series I-15



**Series I. Professional correspondence, 1932-1986**

Letters from K., usually in Polish, with Ulam's responses, usually in English.

Folder #2	1960-1967	Box Series I-15
Folder #3	1968-1979; n.d.	Box Series I-15
Mycielski, Jan		
Kurepa, Duro	1976	Box Series I-15
Kursunoglu, Behram N.	1983	Box Series I-15
Kymala, Earl E.	1966	Box Series I-15
Kyrala, Ali	1961; 1980-1981	Box Series I-15
Labanty, [?]	n.d.	Box Series I-15
In French		
Labouygues, Jean Michel	1981-1982	Box Series I-16
Some in French		
Lagarias, Jeff C.	1983	Box Series I-16
LaGrange, Robert H.	1966; n.d.	Box Series I-16
Exam		

**Series I. Professional correspondence, 1932-1986**

Lahren, Alice	1974	Box Series I-16
Laibow, Rima E.	1981	Box Series I-16
Lam, Stanislaw	1958	Box Series I-16
Lamm, Richard D.	1979	Box Series I-16
Land, Edwin H.	1959	Box Series I-16
Land, Frederick	1969	Box Series I-16
Langer, Bronislaw	1942	Box Series I-16
In Polish		
Langer, Rudolph E.	1942-1958	Box Series I-16
Univ. Wisconsin, war		
Lanier, Harold H.	n.d.	Box Series I-16
Larkin, Kenneth T.	1961	Box Series I-16
[Larson], Jean	1976-1977	Box Series I-16
LaSalle, J. P.	1973	Box Series I-16

## Series I. Professional correspondence, 1932-1986

Lasker, Edward		Box Series I-16
Folder #1	1957-1963	Box Series I-16
Computers, chess		
Folder #2	1964-1974	Box Series I-16
Folder #3	n.d.	Box Series I-16
Lasky, Melvin J.	1963	Box Series I-16
Last, Jerold A.	1971-1973	Box Series I-16
Las Vergnas, M.		Box Series I-16
-See Ser.I, Berge, Claude		
Laub, M.	1980	Box Series I-16
Lavatelli, Leo	1956	Box Series I-16
Laver, Rich	1978?	Box Series I-16
Lawence, George H.	1973	Box Series I-16
Lax, Henry	1980	Box Series I-16

## Series I. Professional correspondence, 1932-1986

Lax, Peter D.	1955-1978; n.d.	Box Series I-16
-See also Ser.I, Fulks, Watson		
Laymen, E. R.	1968	Box Series I-16
Lazarus, Roger B.	1973	Box Series I-16
Leahey, William J.	1972-1973	Box Series I-16
Leary, Joanna	1974	Box Series I-16
-Seealso Ser.I, Marion, Sylvie		
Leary, Timothy	n.d.	Box Series I-16
-Seealso Ser.I, Marion, Sylvie		
LeBaron, Robert - Press Conference	n.d.	Box Series I-16
AEC - Eniwetok Cooney, James Dean, Gordon Quesada, E. R. Graves, Alvin C.		
Lederberg, Joshua	1961	Box Series I-16
Lee, C. E.	1958	Box Series I-16

## Series I. Professional correspondence, 1932-1986

Lark-reactor code		
Lee, Yuk	1983	Box Series I-16
Leff, Harvey S.	1977	Box Series I-16
Lefschetz, S.	1957	Box Series I-16
-Seealso Ser.I, Bellman, Richard		
Legendre, Pierre	1969-1971	Box Series I-16
Lehmer, D. H.	1958-1965	Box Series I-16
Leibler, R.	1957	Box Series I-16
Leith, Cecil	1969	Box Series I-16
Lelinka, B[?]dan	1967	Box Series I-16
Le Lionnais, François		Box Series I-16
Some in French		
Folder #1	1966-1972	Box Series I-16
Folder #2	1973-1979	Box Series I-16
Games		

## Series I. Professional correspondence, 1932-1986

Gardner, Martin		
Folders #3-4	n.d.	Box Series I-16
Games, in French, Dictionnaire des nombres remarquables		
LeMay, Curtis E.	1962	Box Series I-16
Lenard, Andrew	1966	Box Series I-16
Lennox, Edwin	1973	Box Series I-16
Lenz, Jerry	1979	Box Series I-16
Leontief, Wassily	1967	Box Series I-16
-Seealso Ser.I, Harvard University Society of Fellows		
-Seealso Ser.I, Krinsky, Susan		
Leprince-Ringuet, [?]	n.d.	Box Series I-16
Leray, Jean	1957-1959	Box Series I-16
Some in French		
Lerner Publications Company	1968	Box Series I-16
Murphy, Judith		
Leser, Arthur	1937	Box Series I-16

**Series I. Professional correspondence, 1932-1986****In German**

LeTourneau, Budd W.	1983	Box Series I-16
Lettvin, Jerome Y.	1967; 1970	Box Series I-16
Leuchtag, H. Richard	1978	Box Series I-16
Levéé, Richard D.	1958-1960	Box Series I-16
Levenson, Norman	1966	Box Series I-16
LeVeque, William J.	1981	Box Series I-16
Lévi, R.	1976-1980	Box Series I-16

**Some in French**

Levin, Simon	1981	Box Series I-16
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-Seealso Ser.I, American Academy for the Advancement of Science

Levinger, Joe	1955	Box Series I-16
Levinson, Norman	1956	Box Series I-16
Levy, David N. L.	1971	Box Series I-16

**Series I. Professional correspondence, 1932-1986**

Lévy, Paul	1954	Box Series I-16
Lewin, Isaac	1965-1966	Box Series I-16
Some in Polish		
Lewin, Ludwik	1969	Box Series I-16
Lewis, Albert C.	1977	Box Series I-16
Lewis, Ralph	1982	Box Series I-16
Libby, W. F.	1968	Box Series I-16
Lichnerowicz, A.	1977	Box Series I-16
In French		
Lilienthal, David E.	1949	Box Series I-16
AEC press release		
Lin, C. C.	1957; 1969-1971	Box Series I-16
SIAM -See also Ser.I, American Mathematical Society		
Lind, David A.	1979	Box Series I-16



## Series I. Professional correspondence, 1932-1986

Lind, Douglas	1966-1973	Box Series I-16
Lindstrom, Andrew O., Jr.	1976	Box Series I-16
Lipetz, Milton E.	1973	Box Series I-16
Lipkin, Leonard J.	1977	Box Series I-16
Lipman, Joseph	1979; 1983	Box Series I-16
Lippmann, B.A.	1970	Box Series I-16
Litow, B. E.	n.d.	Box Series I-16
Little, David M.	1945	Box Series I-16
Littwin, Dianne	1966	Box Series I-16
Livingston, Robert B.	1965; n.d.	Box Series I-16
Lloyd, Stuart P.	1971	Box Series I-17
Loats, James T.	1977	Box Series I-17
Lockett, Andrew M., Jr.	1977; n.d.	Box Series I-17

## Series I. Professional correspondence, 1932-1986

Chapter on SMU		
Logan, Jonathan	1973-1974	Box Series I-17
Loinger, A.	1968	Box Series I-17
Lomnicki, Adam	1965-1968	Box Series I-17
Some in Polish		
Lomnicki, Zbigniew Alexander		Box Series I-17
Folder #1	1952-1964	Box Series I-17
Some in Polish		
Folder #2	1965-1969	Box Series I-17
Some in Polish		
Folder #3	1970-1984?; n.d.	Box Series I-17
Some in Polish		
London, Julius	1968	Box Series I-17
Long, Richard G.	1966-1967	Box Series I-17
Longuet-Higgins, H. C.	1972	Box Series I-17

## Series I. Professional correspondence, 1932-1986

Lonseth, Arvid T.	1958	Box Series I-17
Lopez, Robert	1980	Box Series I-17
Some in French		
Lorch, E. R.	1956; 1982	Box Series I-17
Los Alamos Scientific Laboratory	1954	Box Series I-17
Lovberg, R.	1980	Box Series I-17
Feher, G.		
Love, Thomas R.	1983	Box Series I-17
Lovelace, W. Randolph	1962-1965	Box Series I-17
Lovelace, Walter B.	1956	Box Series I-17
Lovell, Catherine Coit -SeeSer.I, Coit, Catherine		
Low, Robert J.	1968	Box Series I-17
Univ. of Colorado		
Lowdin, Per-Olov	1974-[1981]	Box Series I-17

## Series I. Professional correspondence, 1932-1986

Lowe, Victor	1969-1970; 1977	Box Series I-17
Alfred North Whitehead		
Lowenthal, Abraham F.	1976	Box Series I-17
Lubinsky, Doron Shaul	1978	Box Series I-17
Lucas, H. L.	1960	Box Series I-17
Luckow, William K.	1957	Box Series I-17
Luehr, Charles P.	1956-1983	Box Series I-17
Luke, John W.	1955-1956	Box Series I-17
Kirkland, T. A.		
Kuhn, H. W.		
Mauchly, John W.		
Speiser, A. P.		
Lundell, Albert T.	1968-1972	Box Series I-17
Lupanov, O. B.	1976-1977	Box Series I-17
Luthy, M.	1972	Box Series I-17
Some in French		
Gropetti, H.		

## Series I. Professional correspondence, 1932-1986

Lutwak-Mann, Cecilia	1977	Box Series I-17
Lynch, J. F.		Box Series I-17
Folder #1	1974-1983	Box Series I-17
Folder #2	n.d.	Box Series I-17
Lyndon, Roger C.	1939-1941; 1968-1972	Box Series I-17
Macauley, Robert	1982-1983	Box Series I-17
Mac Coll, L. A.	1956	Box Series I-17
MacDougall, D. P.	1957	Box Series I-17
LASL		
MacDuffee, C. C.	1944; 1952; n.d.	Box Series I-17
Macintyre, Lisbeth	1976	Box Series I-17
Macintyre, Walter M.		Box Series I-17
Folder #1	1961-1968	Box Series I-17

**Series I. Professional correspondence, 1932-1986**

Folder #2	1969-1983; n.d.	Box Series I-17
Mack, J. E.	1956	Box Series I-17
Mackay, Alan L.	1975	Box Series I-17
MacLane, Saunders	1937	Box Series I-17
MacNeille, H. M.	1946-1949	Box Series I-17
Macraison, Pierre J.	1977	Box Series I-17
Magill, Ken	1975-1977	Box Series I-17
Magnus, Arne	1965-1968; n.d.	Box Series I-17
Maihey, George W.	1943	Box Series I-17
M[alitz?], J[erry]	1977	Box Series I-17
Mandelbrot, Benoit	1967-1982	Box Series I-17
Manley, J. H.	1958-1959	Box Series I-17
Manning, Thurston E.	1965-1969	Box Series I-17

## Series I. Professional correspondence, 1932-1986

Univ. of Colorado  
 Bailey, Daniel E.  
 Ellingwood, Robert  
 Roberts, Dwight V.

Manvel, Bennet	1970	Box Series I-17
Marchi, Ezio	1967-1972	Box Series I-17
Marcus, [?]	1979	Box Series I-17
Marcus, Richard	1957-1958; 1979	Box Series I-17
Computer card program		
Marczewski, Edward	1969-1970	Box Series I-17
Marion, Sylvie	1974	Box Series I-17
Leary		
Mark, Hans	1982	Box Series I-17
Mark, J. Carson	1959; 1968-1971	Box Series I-17
Marki, Lanle	1983	Box Series I-17
Markus, Lawrence	1970-1971	Box Series I-17

## Series I. Professional correspondence, 1932-1986

Marois, M[aria?]	1971-1981	Box Series I-17
Some in French		
Maroque, Joseph	1958	Box Series I-17
Marr, Robert B.	1969-1970	Box Series I-17
Marshak, Robert E.	1965-1966	Box Series I-17
Marshall, Clifford	1958	Box Series I-17
Martelli, Mario	1979-1980; 1983	Box Series I-17
Martens, Jos	1970	Box Series I-17
Martin, Alistair B.	1976; 1978	Box Series I-17
Martin, Donald A.	1974-1975	Box Series I-17
Martin, Harold W.	1981	Box Series I-17
Martin, Lorraine	1976-1978	Box Series I-17
Martin, M. H.	1956-1961	Box Series I-17



## Series I. Professional correspondence, 1932-1986

Martin, Pierre	1972	Box Series I-17
Some in French		
Martin, W. T.	1955-1976	Box Series I-17
Martinez, Daniel	1979	Box Series I-17
Martinez, Hugo	1975	Box Series I-17
Martwick, Richard J.	1972	Box Series I-17
Marty, Roger H.	1968	Box Series I-17
Maruyama, Magoroh	1971; 1976	Box Series I-17
Pineapple photos		
Maschler, Michael	1962	Box Series I-18
Massachusetts Institute of Technology. Applied Mathematics Committee.	1978	Box Series I-18
Toscano, Nancy		
Massera, Jose Luis	1982	Box Series I-18
Mate, Atilla		Box Series I-18
See Bebernes, Jerrold		

## Series I. Professional correspondence, 1932-1986

Mathematical Reviews	1956-1959; 1971	Box Series I-18
Crittenden, R. J. Gould, Stephen H. Wehausen, J. V.		
Mather, Kirtley F.	1958	Box Series I-18
Matheson, L. A.	1969	Box Series I-18
Mathews, M. M.	1968	Box Series I-18
Matthias, Bernd T.	1963; n.d.	Box Series I-18
Mattson, H. F., Jr.	1983	Box Series I-18
Mauldin, Daniel		Box Series I-18
Folder #1	1974-1983	Box Series I-18
Scottish Book		
Folders #2-3	n.d.	Box Series I-18
-See also Ser. I, Oxtoby, John C.		
Maxwell, Philip	1966	Box Series I-18

## Series I. Professional correspondence, 1932-1986

Maxwell, I. Robert	1957-1983	Box Series I-18
von Neumann, etc. -See also Ser.I, Pergamon Press, Inc.		
May, Kenneth O.	1976	Box Series I-18
Maybee, John S.	1968-1970	Box Series I-18
Norton U. of Colorado		
Mayer, Maria Goeppert	1963	Box Series I-18
Mayers, Dan E.	1969	Box Series I-18
Mayhew, Leon	1978	Box Series I-18
Mayne, A. J.	1956	Box Series I-18
Mazur, Stanislaw	1958-1974; n.d.	Box Series I-18
Some in Polish		
McAlpin, John	1969	Box Series I-18
McArthur, Charles W.	1969; 1974	Box Series I-18

## Series I. Professional correspondence, 1932-1986

McCarthy, John	1957; 1980	Box Series I-18
McCarthy, Joseph L.	1974	Box Series I-18
Klee, Victor		
McClay, Douglas	n.d.	Box Series I-18
McDaniel, Boyce D.	1975	Box Series I-18
McEliece, Robert J.	1977	Box Series I-18
McFarland, Marvin W.	1973	Box Series I-18
McGovern, Lane	1947	Box Series I-18
McGraw-Hill Book Company	1953-1966	Box Series I-18
Collection of Mathematical Problems Handsfield, Hugh W. Oviatt, Charles D. Rosenbaum, Robert A. Salveson, Melvin E. Zeldin, Richard		
McKelvey, Robert	1967-1971	Box Series I-18
McKenzie, Ralph	1974-1975	Box Series I-18

**Series I. Professional correspondence, 1932-1986**

McMahon, Thomas	1973-1974	Box Series I-18
McMillan, Brockway	1958	Box Series I-18
-See also Ser.I, Garabedian, Paul R.		
McMillan, Edwin M.	1964-1972	Box Series I-18
Primes		
McPhee, Will	1977	Box Series I-18
Mead, David G.	1977-1978	Box Series I-18
Mechem, E. L.	1963	Box Series I-18
Mehra, Jagdish	1973-1974	Box Series I-18
Meisels, Adam	1944	Box Series I-18
Poland in WWII		
Meisters, Gary	1966-1982	Box Series I-18
Melzak, Z. A[lex]	1957-1973; n.d.	Box Series I-18
-See also Ser.I, Sponge, John		
Mendez, Celestino G.	1968-1981	Box Series I-18

## Series I. Professional correspondence, 1932-1986

Menger, Karl	1939; 1945; n.d.	Box Series I-18
Menzel, Donald H.	1973-1976	Box Series I-18
Mercer, G. E.	1971	Box Series I-18
Mercer, T. M. Kodwo	1971	Box Series I-18
Metcalf, David	1967-1982; n.d.	Box Series I-18
Austin, James Weiner, Norman		
Metropolis, Nicholas		Box Series I-18
Interesting		
Folder #1	1949-1981	Box Series I-18
Argo, Harold V. Smiley, Irene T. -See also Ser.I, Kerr, Donald M. -See also Ser.XIII. International Research Conference on the History of Computing (ref. letter 22.XI.1976)		
Folders #2-4	n.d.	Box Series I-18
Metropolis, Pat (Mrs. Nicholas)	1976	Box Series I-18

## Series I. Professional correspondence, 1932-1986

Metzger, Donald A.	1951	Box Series I-18
LASL security		
Meyer, Gerard G. L.	1976	Box Series I-18
Meyer, Herbert A.	1954; 1956	Box Series I-18
Abstract		
Meyer, James W.	1966	Box Series I-18
Meyer, William H.	1979	Box Series I-18
Michael, Ernest A.	1970	Box Series I-18
Michalik, Martha B.	1978	Box Series I-18
Michalski, R. S.	1983	Box Series I-18
Micheltmore, Peter	1968	Box Series I-18
Miles, James S.	1976	Box Series I-18
Miller, Clair E.	1949	Box Series I-18
Miller, Julia A. Hibbler	1980	Box Series I-18

**Series I. Professional correspondence, 1932-1986**

-See also Ser.I, Shearer, Lloyd

Miller, Richard	1977	Box Series I-18
Millsaps, Knox	1977-1983; n.d.	Box Series I-18
-See also Ser.I, Bednarek, A[l]		
Mingarelli, A. B.	1982	Box Series I-18
Minguillon, Mark	1980	Box Series I-18
Mintz, Donald J.	1972	Box Series I-18
Misner, W. K.	1969	Box Series I-18
Mitchell, D.	1965	Box Series I-18
Mitchell, James M.	1955	Box Series I-18
Mitchell, L. C.	1966; 1973	Box Series I-18
Smale incident		
Mitchell, Maurice B.	1967	Box Series I-18
Mitter, H.	1979	Box Series I-18



## Series I. Professional correspondence, 1932-1986

Mizrahi, Françoise	1964	Box Series I-18
Mizrahi, Jacques A.	1965	Box Series I-18
Mode, Charles J.	1969	Box Series I-19
Moise, E.	1958	Box Series I-19
Moishezen, Boris		Box Series I-19
-See Ser.I, Chudnovsky, David		
Mokrzyeki, Gustow A.	1977	Box Series I-19
In Polish		
Monard, Daniel	1969	Box Series I-19
In French		
Monk, Donald	1950-1970	Box Series I-19
Monna, A. F.	1966-1968	Box Series I-19
Monod, Jacques	1965-1966	Box Series I-19
Montgomery, Deane	1936-1955	Box Series I-19
Soboconski, Boleslaw		

**Series I. Professional correspondence, 1932-1986**

Montroll, Elliot	1966-1969	Box Series I-19
Mooers, Calvin N.	1957	Box Series I-19
Moore, Marion	1975-1977	Box Series I-19
Morales, Manuel	1976-1978; n.d.	Box Series I-19
Moravesik, Michael J.	1956	Box Series I-19
Morgan, John C.	1972	Box Series I-19
Morgenstern, Carl		Box Series I-19
Folder #1	1968-1977	Box Series I-19
Mathematical biology		
Folder #2	n.d.	Box Series I-19
Morgenstern, Oskar		Box Series I-19
Folder #1	1947-1960	Box Series I-19
Some in German, JVN		
Folder #2	1963-1977	Box Series I-19

## Series I. Professional correspondence, 1932-1986

Morin, M. R.	1979	Box Series I-19
In French		
Morris, Scot	1980-1981	Box Series I-19
Morrison, Donald R.	1981	Box Series I-19
Morrison, Edward J.	1970	Box Series I-19
Morrison, Philip	1977	Box Series I-19
Morrissey, Richard H.	1975	Box Series I-19
Morse, A[nthony] P.	1958	Box Series I-19
-See also Ser.I, Agnew, Ralph P.		
Morse, Marston	1936-1972; n.d.	Box Series I-19
Morse, Philip M.	1956-1958	Box Series I-19
Morse, Richard	1972-1978	Box Series I-19
Mosbacher, C. J.	1963	Box Series I-19
Pergamon Press		

## Series I. Professional correspondence, 1932-1986

Moses, Ray [C.], Jr.	1967, n.d.	Box Series I-19
Thermonuclear explosions		
Moss, Norman	1966	Box Series I-19
Development of H-bomb		
Mosteller, Frederick	1967	Box Series I-19
Mostowski, A.	1958-1959;n.d.	Box Series I-19
Motchane, L.	1979	Box Series I-19
In French		
Mott, Thomas E.	1961	Box Series I-19
-See also Series XV		
Mozzochi, C. J.	1978	Box Series I-19
Mrozowski, Stanislaw	1955-1956	Box Series I-19
Mucks, Arlie M.	1978	Box Series I-19
Müldner, Tomasz	1976	Box Series I-19
Muller, Mathieuz	1973	Box Series I-19

## Series I. Professional correspondence, 1932-1986

## In German

Mulliken, Robert S.	1972-1975	Box Series I-19
Mullin, A. A.	1958	Box Series I-19
Munk, Walter	1965	Box Series I-19
Munkres, Jim	1953-1956	Box Series I-19
Musès, C.	1979	Box Series I-19
Muskie, Edmund S.	1967	Box Series I-19
U.S. senators Baker, Howard H., Jr.		
Mycielski, Jan		Box Series I-19
Folder #1	1958-1969	Box Series I-19
Some in Polish		
BenDaniel, David J. (1980)		
Bishop, [?]		
[Condon?], Edward (1977)		
Mycielski, Emilia		
Tarski, Alfred (1977)		
-See also Ser.I, Kuratowski, Kazimierz		
-See also Ser.I, Wyman, Jeffries		

**Series I. Professional correspondence, 1932-1986**

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Folder #2	1970-1972	Box Series I-19
Some in Polish		
Folder #3	1973-1975	Box Series I-19
Some in Polish		
Folder #4	1976-1977	Box Series I-19
Some in Polish		
Folder #5	1978-1984	Box Series I-19
Some in Polish		
Folder #6	n.d.	Box Series I-19
Some in Polish		
Myers, Gerald	1974	Box Series I-19
Myhre, Philip C.	1977	Box Series I-19
Mysels, K. J.	1981	Box Series I-19
Nadler, Sam B., Jr.	1974	Box Series I-20
Nagarajan, V.	1966	Box Series I-20

**Series I. Professional correspondence, 1932-1986**

Nagy, John V.	1967	Box Series I-20
Nakano, Kazumi	1979	Box Series I-20
Napier, Eleanor	1958	Box Series I-20
Narasimhan, T. N.	1981	Box Series I-20
Monte Carlo		
Narici, Lawrence	1983	Box Series I-20
Nathanson, Melvyn B.	1976	Box Series I-20
National Science Foundation	1966-1969	Box Series I-20
Gaeta, Federico Mayer, J. Richard		
Nauenberg, Michael	1979	Box Series I-20
Neeley, Charles	1974	Box Series I-20
SMU number series		
Neighbor, Ed	1959-1961	Box Series I-20
Nelson, David	1962; n.d.	Box Series I-20

## Series I. Professional correspondence, 1932-1986

Nelson, E. L.	1947	Box Series I-20
Nemo, John	1982	Box Series I-20
Neugebauer, O.	1937-1942	Box Series I-20
Some in German Tamarkin, J. D.		
Neuman, Bernard	1972-1977	Box Series I-20
Neuman, Michael	1971	Box Series I-20
Neumann, B. H.	1968	Box Series I-20
Neureiter, Norman P.	1967	Box Series I-20
Neuwirth, Lee P.	1972-1973	Box Series I-20
Nevin, Alice	n.d.	Box Series I-20
Newgard, John J.	1959-1960	Box Series I-20
Newman, D. J.		Box Series I-20
-See Ser.I, Klamkin, M. S.		



**Series I. Professional correspondence, 1932-1986**

Newman, Donald	1973	Box Series I-20
Newman, James R.	1958-1966	Box Series I-20
Newton, Quigg	1961	Box Series I-20
Neyman, J.		Box Series I-20
Folder #1	1942-1971	Box Series I-20
Folder #2	1972	Box Series I-20
Folder #3	1973	Box Series I-20
Folder #4	n.d.	Box Series I-20
Nicholas, Warren	1978	Box Series I-20
Nichols, Basil	1981	Box Series I-20
-See also Ser.I Sobczyk, Andrew		
Nilsson, Nils J.	1966	Box Series I-20
[Nirewoz?], Louis	1969	Box Series I-20

## Series I. Professional correspondence, 1932-1986

Nishihara, Katsunobu	1976	Box Series I-20
Nitecki, Zbigniew	1982	Box Series I-20
Polish mathematicians		
Nivat, M[ario?]	1974	Box Series I-20
Nock, Arthur D.	1943	Box Series I-20
Norris, Eugene M.	1974-1979	Box Series I-20
Norton, Karl K.	1968-1976	Box Series I-20
Briggs, William E.		
Nosanow, L[ew] H.	1973	Box Series I-20
Novak, Mike	1967-1971	Box Series I-20
Novogrod, Nancy	1981	Box Series I-20
Nowak, Amran	1965-1977	Box Series I-20
Nowak, S. -See Ser.I, Kielszewski, Z.		
Nowosad, Pedro	1970	Box Series I-20

## Series I. Professional correspondence, 1932-1986

Nuckolls, John	1982-1983	Box Series I-20
Nugent, Paul T.	1977	Box Series I-20
O'Connor, Tom		Box Series I-21
-See Ser. I, Tuck, J. L.		
O'Dette, Ralph E.	1958	Box Series I-21
Odier, Marc	1975-1978	Box Series I-21
Some in French		
Oettinger, Anthony G.	1961	Box Series I-21
Ogilvy, C. Stanley	1961	Box Series I-21
Ohlinger, L. A.	1951	Box Series I-21
O'Keefe, John A.	1969-1977	Box Series I-21
O'Keefe, R. L	1957	Box Series I-21
Olbert, Stanislaw	1956	Box Series I-21
Kellogg, J. M. B.		

## Series I. Professional correspondence, 1932-1986

Olech, Czeslaw	1973-1978; n.d.	Box Series I-21
Some in Polish Bartoszynski, Robert		
Olesko, Lawrence A.	1967	Box Series I-21
Olive, William M.	1958	Box Series I-21
re: cousin Julian Ulam		
Oliver, Robert M.	1957-1960	Box Series I-21
Cohen, Leon		
O'Malley, Lawrence V.	n.d.	Box Series I-21
Ophir, Dan	1974-1981	Box Series I-21
Some in Polish -See also Ser.I, Godlewski-Ophir, J.		
Opler, Ascher	1957-1958	Box Series I-21
Oppenheimer, Frank	1971	Box Series I-21
Oppenheimer, J. Robert	1943-1963	Box Series I-21
Restriction of info. at LASL Smith, Ralph Carlisle		

## Series I. Professional correspondence, 1932-1986

Ore, Oystein	1941	Box Series I-21
O'Rourke, N. W.	1957-1959	Box Series I-21
Orszag, Steven A.	1974	Box Series I-21
Orton, Dwayne	1957	Box Series I-21
O'Sam-U, Hino	1978	Box Series I-21
Gamow & Math., 1976		
Osgood, Thomas H.	1956-1957	Box Series I-21
Osland, Christopher Desmond	1969; n.d.	Box Series I-21
Ostrowski, Janusz	1971	Box Series I-21
Some in Polish, bio. of A. B. Dobrowolski		
Oxtoby, John C.		Box Series I-21
Folder #1	1940-1945	Box Series I-21
JVN, Erdős; measure in groups		
Folder #2	1946-1976	Box Series I-21
Mazur-Banach game and Banach category theorem		

## Series I. Professional correspondence, 1932-1986

Folder #3	n.d.	Box Series I-21
Folder #4	1938-1949	Box Series I-21
1995-38ms; photo Ulam, Françoise		
Folder #5	1957-1984	Box Series I-21
1995-38ms Mauldin, Daniel Ulam, Françoise		
Padovana, Giorgio	1968	Box Series I-21
Page, Ralph E.	1959	Box Series I-21
Palacios, Julio	1959	Box Series I-21
Pallaschke, D.		Box Series I-21
Karpinski, M., 1980		
Palmer, C. Harvey	1940	Box Series I-21
Panepinto, Nicolo	1981	Box Series I-21
Parcinski, Henry J.	1967-1968	Box Series I-21

## Series I. Professional correspondence, 1932-1986

Pardee, Arthur B.	1960-1961	Box Series I-21
Pareja, Diego	1977-1980	Box Series I-21
Parikh, Jitendra C.	1978	Box Series I-21
Parks, Paul F.	1976-1977	Box Series I-21
Parmenter, Robert H.	1979	Box Series I-21
Parnes, Henry	1966	Box Series I-21
Parodi, H.	1967	Box Series I-21
prime numbers		
Parter, Seymour V.	1982	Box Series I-21
Pasquino, Luisa Pece	1978	Box Series I-21
Pasta, John	1954-1974	Box Series I-21
enclosures to 29 May 1956 in oversize; JVN Kolstad, George A. See Birkhoff, Garrett See Wendel, James G.		
Paternoster, Dixie L.	1979	Box Series I-21

## Series I. Professional correspondence, 1932-1986

Paternoster, Richard	1980	Box Series I-21
Neutron transport problems		
Patraw, ?	n.d.	Box Series I-21
Patterson, David	1976	Box Series I-21
Paxson, E. W.	1947	Box Series I-21
RAND		
Peale, Mundy I	1961	Box Series I-21
Pearl, Judea	1980-1982	Box Series I-21
Peaslee, Alfred T.	1954-1956	Box Series I-21
Harvard Soc. of Fellows Shattuck, Henry L.		
Peck, Leslie G.	1958	Box Series I-21
Navy research, JVN		
Pedoe, Dan	1937-1976	Box Series I-21
Pekeris, C. L.	1959-1961	Box Series I-21
Weizmann Inst. of Science; WEIZAC		



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Peierls, R. E.	1965	Box Series I-21
BBC hist. of atom and H-bomb Bethe, Hans		
Pell, William	1970	Box Series I-21
Penguin Books LTD	1970	Box Series I-21
Sykes, Elizabeth		
Penney, W. G.	1962-1964	Box Series I-21
JVN		
Pepinsky, Ray	1966	Box Series I-22
Nova Univ.		
Peres, J.	1954	Box Series I-22
In French		
Pergamon Press, Inc.		Box Series I-22
Folder #1	1957-1959	Box Series I-22
Dews, Edmund Flower, Joan Hutt, C. M. Kruskal, Martin Maxwell, I. R.		

## Series I. Professional correspondence, 1932-1986

<p>           Millar, Elaine C. P.            Nadler, Morton            Paolillo, Jeanne            Stratford-Lawrence, Sylvia         </p>		
Folder #2	1959	Box Series I-22
Folder #3	1960	Box Series I-22
Perlman, Mrs. Selig	1964	Box Series I-22
Perlmutter, Arnold	1971-1972	Box Series I-22
Perlmutter, Paul Q.	1979-1980	Box Series I-22
Colorado College		
Peter, James V.	1981	Box Series I-22
Ham sandwich theorem		
Peters, Max	1967-1970	Box Series I-22
<p>           National Medal of Science            See Bradbury, Norris            See Hawkins, David         </p>		
Petersen, Karl	1977	Box Series I-22
Ergodic theorem		

## Series I. Professional correspondence, 1932-1986

Peterson, A. W.	1942	Box Series I-22
Pettit, J. [I?]	1973	Box Series I-22
1st day issue of sciences commemorative stamp		
Philip, Miklos	1972	Box Series I-22
JVN in Hungary		
Physical Society of Japan	1973	Box Series I-22
Ono, S.		
Physics Today	1958-1967	Box Series I-22
Ellis, R. Hobart, Jr. Davis, Robert R.		
Piel, Gerard	1967-1981	Box Series I-22
Scientific American		
Pimbley, George H.	1973-1982	Box Series I-22
See Bazley, Norman W.		
Pinker, Aron	1981	Box Series I-22
Piore, Emanuel R.	1957-1971	Box Series I-22

## Series I. Professional correspondence, 1932-1986

IBM		
Pipes, Irene E.	1977	Box Series I-22
Piskorek, Adam	1978	Box Series I-22
In Polish Bialynicki-Birula, A.		
Piszek, Edward J.	1973	Box Series I-22
Pitzer, K. S.	1961	Box Series I-22
AEC E. O. Lawrence Award Rosen, Louis Taylor, Theodore		
[Pivor?], Malcolm	1973	Box Series I-22
infinite sets		
Plam-Meiman, Olga	1977	Box Series I-22
Meiman, Nohim		
Pleszczynska, Joanna	1982-1983	Box Series I-22
Some in Polish		
Polish American Congress, Inc.	1970-1971	Box Series I-22
Heritage Award		

## Series I. Professional correspondence, 1932-1986

Kobelinski, Mitchell P.

Rozanski, Edward C.

Pollard, Harry	1966	Box Series I-22
Polya, George	1957-1976	Box Series I-22
Pomerantz, ?	1976	Box Series I-22
Poole, George	1971	Box Series I-22
Porte, Jean	1978	Box Series I-22
Some in French		
Porter, W[illiam] S.	1969	Box Series I-22
Posvar, Wesley W.	1978	Box Series I-22
Univ. of Pitt. honorary degree		
Potter, Allen	1952	Box Series I-22
MANIAC		
Powers, Thomas	1981	Box Series I-22
national defense		
Frederick A. Praeger, Inc.	1968-1983	Box Series I-22

## Series I. Professional correspondence, 1932-1986

Prager, William	1967	Box Series I-22
Preece, Warren E.	1968	Box Series I-22
Math. & Logic Kac, Mark		
Prenowitz, Walter	1958	Box Series I-22
Lecture tour		
Press, Frank	1979-1981	Box Series I-22
SALT Treaty; See Seitz, Frederick, scientists in Poland		
Prewitt, Judith M. S.	1980	Box Series I-22
Graph-to-graph comparison		
Price, G. Baley	1957-1958	Box Series I-22
Bulletin of the AMS; JVN Birkhoff, Garrett See Birkhoff, Garrett		
Price, Peter J.	1975	Box Series I-22
Applications of Monte Carlo; H-bomb calc.		
Prigogine, I.	1978	Box Series I-22
Nonequilibrium thermodynamics		

## Series I. Professional correspondence, 1932-1986

Prim, R. C.		Box Series I-22
See Garabedian, Paul R.		
Pritchard, William C.	1956-1966	Box Series I-22
Puck, Stirling M.	1965	Box Series I-22
Puck, Theodore		Box Series I-22
Folder #1	1958-1972	Box Series I-22
Biophysics; grad. program at Univ. of Col. School of Medicine See Seaborg, Glenn		
Folder #2	1974-1981	Box Series I-22
Folder #3	n.d.	Box Series I-22
Puslowski, Francis	1981	Box Series I-22
Queneau, Raymond	1968-1982	Box Series I-22
Some in French; combinatorial analysis		
Quesada, E. R.		Box Series I-22
See LeBaron, Robert		

## Series I. Professional correspondence, 1932-1986

Rabi, I. I.	1957-1976	Box Series I-23
JVN See Fieser, Louis F.		
Rabinowitz, Steven	1979	Box Series I-23
Raczka, [?]	1971	Box Series I-23
Raiffa, Howard	1966	Box Series I-23
Ramakrishnan, Alladi	1977	Box Series I-23
Ramberg, Walter	1968	Box Series I-23
J. Mycielski		
Ramer, Roald	1972	Box Series I-23
Some in Polish		
Ramey, James T.	1958-1966	Box Series I-23
Outer space propulsion;Joint Commt. on Atomic Energy;LASL housing-bathtub row See Schreiber, Raemer		
Ramsay, Arlan	1973	Box Series I-23
Ramsay, Dwight M.	1957	Box Series I-23



## Series I. Professional correspondence, 1932-1986

LASL salaries		
Ramsey, Hal H.	1968	Box Series I-23
Randic, Milan	1976	Box Series I-23
Reconstruction of graphs		
Rankin, Bayard	1972	Box Series I-23
JVN		
Rapp, George	1978	Box Series I-23
Ras, Zbigniew	1980	Box Series I-23
Some in Polish		
Rasiowa, Helena	1977-1978	Box Series I-23
Some in Polish		
Rassias, George M		Box Series I-23
See Rassias, Themistocles M.		
Rassias, Themistocles M.	1977-1983	Box Series I-23
Non-linear analysis; Einstein vol. Rassias, George M.		

## Series I. Professional correspondence, 1932-1986

Rathjens, George W.	1970	Box Series I-23
Military tech. & arms control		
Rathans, Rudolf	1966-1967	Box Series I-23
Some in Polish		
Rautenstrauss, R. C.	1977	Box Series I-23
Gamow		
Raymond, Detlev J.	1962-1966	Box Series I-23
Pergamon Press See Gamow, George		
Rebbi, Claudio	1983	Box Series I-23
random walk of particles		
Redman, Helen F.	1957	Box Series I-23
Redman, Leslie M.	1957-1982	Box Series I-23
Fermi LASL pubs.		
Reed, Bill	1977	Box Series I-23
Reed, Coke S.	1979	Box Series I-23

## Series I. Professional correspondence, 1932-1986

Reeve, E. B[asil]	1966	Box Series I-23
biomathematics		
Rechard, Ottis W.	1956-1961	Box Series I-23
Hacker, Sidney G. Hershner, Iran R.		
Regan, Bill	1967	Box Series I-23
Regis College	1973	Box Series I-23
Reichbach, Juliusz	1966-1974	Box Series I-23
Reid, Justin T.	1950	Box Series I-23
Chess		
Reid, Walter P.	1956	Box Series I-23
Reines, Frederick	1968-1980	Box Series I-23
Gamow vol.		
Reingold, Heim	1976	Box Series I-23
Reinhardt, William N.	1970-1973	Box Series I-23
Continuum hypothesis		

## Series I. Professional correspondence, 1932-1986

Reitan, Paul H.	1977	Box Series I-23
Rensselaer Polytechnic Inst.	1971	Box Series I-23
Reuz, Peter L.	1976-1977	Box Series I-23
Research Reports	n.d.	Box Series I-23
Eakins, Rosemary		
Reynolds, Mark	1982	Box Series I-23
Tree of Math.		
Rhodes, Richard	1983	Box Series I-23
Making of the Atomic Bomb		
Rich, Alexander	1960	Box Series I-23
Richards, C.	1971	Box Series I-23
Richardson, ?	1936	Box Series I-23
Election to AMS		
Richardson, Oliver A.	1969	Box Series I-23
Richtmyer, Jane	1968-1971	Box Series I-23

## Series I. Professional correspondence, 1932-1986

Univ. of Colorado		
Richtmyer, R. D.	1947-1980;n.d.	Box Series I-23
Fissionable material explosions;Monte Carlo; hydrodynamics See also Series XV		
Riecken, Henry W.	1959	Box Series I-23
Ripa, Karol	1942	Box Series I-23
Some in Polish		
Rittenberg, David		Box Series I-23
See Fieser, Louis F.		
Roark, Howard D.	1969-1971	Box Series I-24
Lundegard, Robert J.		
Robb, John D.	1958	Box Series I-24
Trial brief re: uranium & thorium		
Robbin, Joel W.	1973	Box Series I-24
Robbins, Herbert E.	1943-1973	Box Series I-24
Riemann integral, work on theorems		

## Series I. Professional correspondence, 1932-1986

Roberts, Seth	1978	Box Series I-24
Roberts, Walter Orr	1961-1970	Box Series I-24
Robinson, Arthur	1971	Box Series I-24
Robinson, D. W.	1958	Box Series I-24
Robinson, E. S.	1960	Box Series I-24
Hapgood, Charles H.		
Robinson, G. Stanislaw	n.d.	Box Series I-24
Robinson, Julia	1976	Box Series I-24
Rochester, Nathaniel	1958	Box Series I-24
Rockoff, Maxine L.	1972	Box Series I-24
Rocky Mountain Journal of Mathematics	1970-1971	Box Series I-24
Scott, William		
Rodgers, E. D.	1958-1961	Box Series I-24
IBM		

## Series I. Professional correspondence, 1932-1986

Rodin, Ervin Y.	1973-1979	Box Series I-24
Roeling, Lloyd G.	1970	Box Series I-24
Rogers, David J.	1970	Box Series I-24
Rogers, J. D.	1959	Box Series I-24
Plowshare		
Rogers, Lorene L.	1975	Box Series I-24
Rogers, Tom	1982	Box Series I-24
Roinestad, Lucille D.	1973	Box Series I-24
Rosen, Kenneth	1973-1982	Box Series I-24
U-numbers		
Rosen, Walter B.	n.d.	Box Series I-24
Rosenberg, Samuel	1970-1974	Box Series I-24
Rosenblith, Walter A.	1976	Box Series I-24
Rosenfeld, A. H.	1965	Box Series I-24

## Series I. Professional correspondence, 1932-1986

Rosenkrantz, Jens G.	1967	Box Series I-24
Physiology		
Rosenstiehl, P.		Box Series I-24
See Berge, Claude		
Rosentiel, Mrs. Lewis	1973	Box Series I-24
Ross, Arnold	1961;n.d.	Box Series I-24
Quadratic iterations		
Ross, Kenneth A.	1980	Box Series I-24
Rosser, J. Barkley		Box Series I-24
Folder #1	1960-1980	Box Series I-24
Folder #2	n.d.	Box Series I-24
Rossolimo, Nicolas	1959	Box Series I-24
Rost, Ernest	1971	Box Series I-24
Rostafinski, W[ojcieh?]	1976	Box Series I-24



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Rota, Gian-Carlo		Box Series I-24
Folder #1	1963-1967	Box Series I-24
Vitae See Birkhoff, Garrett		
Folder #2	1968-1972	Box Series I-24
Some in French		
Folder #3	1973-1984	Box Series I-24
Review of Adv. of a Mathematician		
Folder #4	n.d.	Box Series I-24
Some in French		
Rotenberg, Manuel	1960	Box Series I-24
Roth, Paul J.	1956	Box Series I-24
Rothschild, Bruce	1980	Box Series I-24
Rothstein, Jerome	1966	Box Series I-24
Rousch, Donald C.	1973	Box Series I-24

## Series I. Professional correspondence, 1932-1986

Rousseau, C. C.	1972-1978	Box Series I-24
Row, Peterson & Co.	1954-1955	Box Series I-24
McPherson, Donald A. Oppegaard, Harry E.		
Rowan, Julian	1969	Box Series I-24
Rozanski, Edward L.	1970	Box Series I-24
In Polish		
Rozenberg, Grzegorz	1974-1975	Box Series I-24
Rubin, Ephraim	1966	Box Series I-24
Runmey, Ralph	1972	Box Series I-24
Russell, William	1961	Box Series I-24
Rustin, Randall	1970	Box Series I-24
Rutherford, Paul H.	1975	Box Series I-24
Ryan, Donald E.	1978-1979	Box Series I-24

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Ryan, Paul	1957	Box Series I-24
Ryavec, Charles	1973-1978	Box Series I-24
Rycus, Dena	1982	Box Series I-24
Sachs, Robert G.	1971	Box Series I-25
Safier, Emil	1979	Box Series I-25
St.-Pierre, Jacques	1970	Box Series I-25
Some in French		
St. Sauver, Joseph E.	1982	Box Series I-25
Sakita, Bunji	1973	Box Series I-25
Salein, Adriana	1967	Box Series I-25
Salisbury, Franklin C.	1976	Box Series I-25
Salmon, J.	1974-1976; n.d.	Box Series I-25
Some in French		
Salton, Gerard	1977	Box Series I-25

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Saltonstall, John L.	1960	Box Series I-25
Samborski, John R.	1974-1975	Box Series I-25
Samuel, Arthur, L.	1959	Box Series I-25
MANIAC II & chess		
Samuel, Don	1980	Box Series I-25
Samuelson, Paul	1970	Box Series I-25
St. Petersburg Paradox		
Sandberg, Harry L.	1963-1964	Box Series I-25
Hycon; lasers		
Sander, Louis W.	1981-1982	Box Series I-25
Saperstein, Alvin M.	1959	Box Series I-25
Sasorin, W.	1973-1974	Box Series I-25
Sassoon, S. D.	1982-1983	Box Series I-25
Sather, Duane P.	1971	Box Series I-25

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Saunders, Bernard G.	1978	Box Series I-25
Sawa, Bozena	1981	Box Series I-25
Sawyer, Roland	1976	Box Series I-25
Schaefer, John P.	1970	Box Series I-25
Schalit, Michael	1976	Box Series I-25
Schetty, Robert A.	1965	Box Series I-25
Schiff, Don	1980	Box Series I-25
Schindler, Dali	1969-1973	Box Series I-25
Schlesinger, Arthur	1962-1964	Box Series I-25
Death of JFK		
Schmaedeke, Wayne	1968	Box Series I-25
Schmidt, Erhard	1957	Box Series I-25
JVN		
Schmidt, Jürgen	1975	Box Series I-25

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Schmidt, Wolfgang	1970-1976; n.d.	Box Series I-25
Schmieder, Robert F.	1976	Box Series I-25
Schmolka, Irving	1945	Box Series I-25
WWII		
Schnitzer, Franz	1960	Box Series I-25
Schoenberg, I. J.	1960	Box Series I-25
Schoenfeld, Robert L.	1966	Box Series I-25
Schorr, B.	1983	Box Series I-25
Monte Carlo		
Schrager, G. R.	1968	Box Series I-25
Schrandt, Robert G.	1968-1976	Box Series I-25
Prime-like sequences; pattern recognition		
Schreiber, M.	1959-1966	Box Series I-25
Schreiber, Raemer	1960-1973	Box Series I-25
ROVER		

**Series I. Professional correspondence, 1932-1986**

Ramey, James T. Urey, Harold C.		
Schriever, Bernard A.	1960-1966;n.d.	Box Series I-25
Schufle, Joseph A.	1981	Box Series I-25
Schuler, Frederic	1943-1966	Box Series I-25
Schultz, Jean	1982	Box Series I-25
Schultz, Konrad	1966	Box Series I-25
Some in German		
Schuster, Peter	1980	Box Series I-25
Schutzenberger, Marcel	1971-1975	Box Series I-25
Schwartz, Herbert	1942	Box Series I-25
Schwartz, J. T.	1971-1976	Box Series I-25
computational complexity		
Schwartz, Laurent	1957	Box Series I-25
Schwarz, Stephan	1970	Box Series I-25

## Series I. Professional correspondence, 1932-1986

Schweitzer, Berthold	1979-1983	Box Series I-25
[Schwitze?], F.	1976	Box Series I-25
Science	1970	Box Series I-25
Eberhart, Sulvia Livingston, Catherine		
Scienta	1964-1965	Box Series I-25
Some in French Bonetti, Paolo		
Scott, Alwyn	1982	Box Series I-25
Scott, E. J.	1948	Box Series I-25
Banach		
Scott, E. L.	1971	Box Series I-25
Scott, W. R.	1953	Box Series I-25
Gibbs, R. C.		
Scribner, Charles	1976	Box Series I-25
Seaborg, Glenn T.	1970;n.d.	Box Series I-25



## Series I. Professional correspondence, 1932-1986

Function of LASL In '70; SMU, letter re: ORION,  
Puck, Theodore T.

Seamans, Robert	1975	Box Series I-25
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Math group at LASL

Seeger, Raymond J.	1970-1970	Box Series I-25
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Segal, Irving E.	1974-1978	Box Series I-25
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Chronometric hypothesis; distribution of galaxies

Segal, J[ack]	1958	Box Series I-25
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Segal, Jerzy	1981-1982;n.d.	Box Series I-25
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Some in Polish

Segré, Emilio	1955-1983	Box Series I-25
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Fermi papers

Uhlenbeck, G[eorge] E.

Seitz, Frederick	1967-1983	Box Series I-25
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Press, Frank

Selikowitz, Arthur L.	1940	Box Series I-25
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derivation of wave equation

## Series I. Professional correspondence, 1932-1986

Sellers, Peter H.	1979-1982	Box Series I-25
Semadeni, Zbigniew	1977-1980	Box Series I-25
Some in Polish		
Semenov, V. S.	1961	Box Series I-25
Sforza, Anne	1972	Box Series I-25
Shader, Leslie	1967	Box Series I-25
Shain, Irving	1978	Box Series I-25
U. of Wisconsin honorary degree		
Shane, C. D.	1955	Box Series I-25
Motions of stars in star clusters		
Shanks, Daniel	1959-1965	Box Series I-25
Number theory and combinatorics		
Shannon, Claude	1957-1960	Box Series I-25
JVN		
Shapiro, Harold N.	1947	Box Series I-25

## Series I. Professional correspondence, 1932-1986

number theory		
Shapley, Harlon	1941	Box Series I-25
SMU seeking defense work		
Shapley, L. S.	1961-1962	Box Series I-25
infinite games		
Sharma, A.	1982	Box Series I-25
Shaver, Beverly M.	1977-1978	Box Series I-25
Shearer, Lloyd	1964; 1975	Box Series I-26
Hibbler letters on H-bomb invention Hibbler, Julia Teller, [Edward] See Young, John V.		
Shelley, John	1957	Box Series I-26
Ulam's family		
Shenton, Robert	1970; 1974	Box Series I-26
Sheppard, David R.	1974	Box Series I-26
Sherman, Leon	1957	Box Series I-26

**Series I. Professional correspondence, 1932-1986**

Weather prediction		
Sherman, Seymour	1940; 1959-1960	Box Series I-26
Shields, Allen	1955; 1958	Box Series I-26
Mostert, Paul		
Shimamoto, Yoshio	1965-1972	Box Series I-26
Shively, Frank T.	1982	Box Series I-26
Shoenker[?], David	1936	Box Series I-26
Shonkwiler, Ronald	1970-1982	Box Series I-26
Showers, W. H.	1960; 1973	Box Series I-26
Shurman, Maurice	1977	Box Series I-26
Sida, Derek	1967	Box Series I-26
Siegal, Armand	1972	Box Series I-26
Sierpinski, Mieczyslaw	1958; 1966; n.d.	Box Series I-26
Some in Polish, Wacław's son		

**Series I. Professional correspondence, 1932-1986**

Sierpinski, Wacław	1959-1969; 1977	Box Series I-26
Some in Polish; odd primes, set theory		
Sigrist, Francois	1968-1969	Box Series I-26
Silberger, D. M.	1976; 1983	Box Series I-26
Silovic, Drazena Slade	1979	Box Series I-26
Simmons, George F.	1976	Box Series I-26
Simon, Herbert A.	1958; 1966	Box Series I-26
Computers, logic theory reprints		
Simon, Julia L.	1979	Box Series I-26
Sims, Charles C.	1961	Box Series I-26
Singmaster, David	1973	Box Series I-26
Sisler, Harry H.	1974	Box Series I-26
Sisson, Donald V.	1973	Box Series I-26
Sivin, Nathan	1960	Box Series I-26

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U.S. science exhibition		
Skapski, Adam	1958	Box Series I-26
Skowronski, Boleslaw S.	1970	Box Series I-26
Slack, Stephen	1976	Box Series I-26
Slagle, James	1957	Box Series I-26
Slaughter, F. G.	1969	Box Series I-26
Slichter, Charles S.	1942	Box Series I-26
Smale, S.	1965	Box Series I-26
Smiley, J. R.	1965-1968; n.d.	Box Series I-26
Univ. of Colorado appts.		
Smith, Charlene P.	1973	Box Series I-26
Smith, George	1971	Box Series I-26
Smith, Grant Gill	1976-1977	Box Series I-26
Smith, Martin Cruz	1982-1983	Box Series I-26

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book on Los Alamos		
Smith, Nicholas	1952	Box Series I-26
Smith, P. A.	1940; 1948	Box Series I-26
Smith, Paul A.	1956	Box Series I-26
Smith, Ralph Carlisle	1943; 1951-1957	Box Series I-26
LASL patents, IBM contract		
Smith, Shelby B.	1958	Box Series I-26
Smith, Temple F.	1968-1978	Box Series I-26
Bio-mathematics Beyer, William A.		
Smith, Wayne E.	1959	Box Series I-26
Smithsonian Magazine	1969-1970	Box Series I-26
Smoluchowska, Zofia (Mrs.)		Box Series I-26
Some in Polish		
Folder #1	1941-1955	Box Series I-26
re: article on Marian Smoluchowski		

**Series I. Professional correspondence, 1932-1986**

Folder #2	1956-1958	Box Series I-26
Folder #3	n.d.	Box Series I-26
Smoluchowski, Roman	1956-1970	Box Series I-26
Some in Polish, Zofia's son		
Sneddon, Ian N.	1958	Box Series I-26
Snell, Bob	1977	Box Series I-26
Snow, Donald R.	1970-1973	Box Series I-26
Snyder, Edward W.	1966; n.d.	Box Series I-26
Snyder, Thoma	1978	Box Series I-26
Sobczyk, Andrew	1974-1977	Box Series I-26
Nichols, B.		
Sobel, Henry	1980	Box Series I-26
Sobel, Milton	1980	Box Series I-26
Soboconski, Boleslaw	1955	Box Series I-26



## Series I. Professional correspondence, 1932-1986

Montgomery, Deane		
Society for Industrial and Applied Mathematics	1968; 1973	Box Series I-26
Beutler, Frederick J. Mattson, H. F., Jr.		
Solinsky, James Clark	1982	Box Series I-26
Solomon, A. K.	1967	Box Series I-26
Sondermann, Fred A.	1965	Box Series I-26
Sosa, Juan J.	1983	Box Series I-26
In Spanish		
Southall, Tony	1980	Box Series I-26
Sparks, Paul R.	n.d.	Box Series I-27
Spealman, Clair R.	1968	Box Series I-27
Speer, James P., II	1958	Box Series I-27
Spencer, D. C.	1947	Box Series I-27
Spencer, Joel	1971-1978	Box Series I-27

## Series I. Professional correspondence, 1932-1986

Spiegel, Der	1976	Box Series I-27
Mueller, Barbara		
Spiegelman, Mortimer	1950	Box Series I-27
Spiro, Elizabeth	1970	Box Series I-27
Spitzer, Frank	1970	Box Series I-27
Spitzer, Lyman, Jr.	1952; 1966	Box Series I-27
Sponge, John	1983	Box Series I-27
Melzak, [Z.] Alex		
Sports Illustrated	1975	Box Series I-27
Springer, Julius	1938	Box Series I-27
In German; re: publications		
Sprinkle, H. D.	1956-1957	Box Series I-27
Spunberg, Giza	n.d.	Box Series I-27
Srivastava, J. N.	1971	Box Series I-27

## Series I. Professional correspondence, 1932-1986

Sta[?], David	1979	Box Series I-27
Stack, James H.	1958	Box Series I-27
abstract		
Stackelberg, Olaf P.	1979-1980	Box Series I-27
Stahl, Walter R.	1961	Box Series I-27
math., biology		
Stampfli, Joseph	1981-1982	Box Series I-27
Staniewicz, Jozef	1942-1943	Box Series I-27
Some in Polish		
Stanley, Richard	1975	Box Series I-27
Starbird, Alfred D.	1957	Box Series I-27
AEC		
Stark, Marcelli	1974	Box Series I-27
Sted, Janet G.	1982	Box Series I-27
Steed, Victor D.	1945	Box Series I-27

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Stein, Myron		Box Series I-27
Folder #1	1972-1973	Box Series I-27
Folder #2	1975	Box Series I-27
Random walks graphs/plots		
Stein, Paul		Box Series I-27
Folder #1	1956-1974	Box Series I-27
Chess, mathematics See Cohn, Harvey		
Folder #2	1979-1983	Box Series I-27
Geoffrey Stein cartoons, Bernd Matthias		
Folder #3	n.d.	Box Series I-27
Math. family tree		
Steinhardt, Fritz	1971	Box Series I-27
Steinhaus, Hugo		Box Series I-27
Some in Polish		
Folder #1	1936-1955	Box Series I-27

**Series I. Professional correspondence, 1932-1986**

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English letters '46-'47, re: war  
 Helson, [?] (1952)  
 Rockefeller Institute (1961)

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Folder #2

1956-1961

Box Series  
 I-27

Scottish Book

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Folder #3

1962-1969

Box Series  
 I-27

Games

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Stern, Marvin

1956

Box Series  
 I-27

---

Stern, Nancy

1981-1981

Box Series  
 I-27

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Stern, Philip M.

1966-1967

Box Series  
 I-27

---

Stern, Richard Martin

1981

Box Series  
 I-27

---

Sternheimer, Daniel

Box Series  
 I-27

---

See Flato, Moshe

---

Sterrett, John K.

1960

Box Series  
 I-27

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SIAM visit. lect.

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Stewart, F.

Box Series  
 I-27

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See Gale, D.

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## Series I. Professional correspondence, 1932-1986

Stoker, J. J.		Box Series I-27
See Garabedian, Paul R.		
Stoller, Gerald S.	1975	Box Series I-27
Stone, Marshall H.		Box Series I-27
Folder #1	1936-1949	Box Series I-27
War, job search, 2/11/46 on SMU's illness		
Folder #2	1963-1982; n.d.	Box Series I-27
Stratton, J. A.	1957	Box Series I-27
Strauss, Lewis L. (Chairman,Admiral)	1956-1958	Box Series I-27
von Neumann Teller, Edward		
Strauss, Peter	1976	Box Series I-27
Ballen, Samuel B.		
Strecker, G. E.	1968	Box Series I-27
Strickfaden, W. B.	1973	Box Series I-27

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Strimpel, O.	1981	Box Series I-27
re: interview tapes		
Strook, D.	1979	Box Series I-27
Sullivan, Dennis Thurston, William P.		
Stuart, Ronald J.	1977	Box Series I-27
Stuchlik, Karl	1983	Box Series I-27
Studia Mathematica	1967	Box Series I-27
Stutzer, Michael J.	1979	Box Series I-27
Sunday, Dan	1977	Box Series I-27
brain res. conf.		
Sundberg, D[el]	1975	Box Series I-27
Supina, Philip D.	1982	Box Series I-27
Suppes, Patrick	1960	Box Series I-27
Suresh, A.	1980	Box Series I-27

**Series I. Professional correspondence, 1932-1986**

Susco, Dante V.	1959	Box Series I-27
Crew, William H.		
Süto, József Pal	1981	Box Series I-27
Sutton, George P.	1959	Box Series I-27
Sutton, Richard L.	1979	Box Series I-27
Sverberg, H.	1960	Box Series I-27
Swain, Robert L.	1945	Box Series I-27
Swartz, Charles	1983	Box Series I-27
Swierczkowski, S.	1968-1969; n.d.	Box Series I-27
Some in Polish		
Symans, Edward A.	1977	Box Series I-27
Symon, Keith R.	1965-1966	Box Series I-27
Math. notes on some letters		
Symposium on Prospects for Simulation and Simulators of Dynamic Systems	1966-1967	Box Series I-27
Abstract		



## Series I. Professional correspondence, 1932-1986

Rogers, Milton Shapiro, George		
Syrop, Julius	1956	Box Series I-27
Szasz, Ferenc M.	1983	Box Series I-27
Szebehely, Victor	1967-1982	Box Series I-27
Bednarek, A. R.		
Szego, Gabor	1965; 1972	Box Series I-27
von Neumann		
Tainiter, Melvin	1970-1973	Box Series I-28
Tall, Franklin D.	1979	Box Series I-28
Talmage, David W.	1970	Box Series I-28
Tamarkin, J. D.	1936-1937; 1942; n.d	Box Series I-28
See Neugebauer, O.		
Tamarkin, Paul	1937	Box Series I-28
Tangen, John Morris	1977-1982; n.d.	Box Series I-28

## Series I. Professional correspondence, 1932-1986

Tanny, Stephen	1978	Box Series I-28
Tarnowski, Terry	1983	Box Series I-28
Tarski, Alfred	1939-1981	Box Series I-28
Some in Polish See Mycielski, Jan		
Tarski, Janusz	1967	Box Series I-28
Tarski Symposium	1971	Box Series I-28
Vaught, Robert L.		
Tarwater, Dalton	1972; 1980	Box Series I-28
Taub, A. H.	1955-1968; 1976	Box Series I-28
John and Klari von Neumann		
Taylor, Alan	1979	Box Series I-28
Taylor, Angus E.	1977	Box Series I-28
Taylor, J. J.	1956	Box Series I-28
Taylor, R. Frances	1962	Box Series I-28

## Series I. Professional correspondence, 1932-1986

Trevor Gardner		
Taylor, Theodore	1958-1966	Box Series I-28
Orion		
Taylor, Walter	1969-1979	Box Series I-28
Teeman, L. R.	1957	Box Series I-28
Teichmann, T[ed]	1976	Box Series I-28
Teller, Edward	1952-1961; n.d.	Box Series I-28
FBI interview transcript; Strauss; advice re: Oppenheimer testimony Strauss, Lewis L. See Gamow, George See Shearer, Lloyd See von Neumann, John, Folder #5 See also Series XV		
Temchin, Michael	1976	Box Series I-28
Tenney, Gerold H.	1967	Box Series I-28
ter Haar, D.	1954	Box Series I-28
Terry, J. M.	1971	Box Series I-28

## Series I. Professional correspondence, 1932-1986

Teske, Andrzej	1973	Box Series I-28
Some in Polish		
Tetelbaum, Sergey	1976	Box Series I-28
Thieme, F. P.	1970	Box Series I-28
Think	1969	Box Series I-28
Stegmann, Claire		
Thirring, Walter	1958	Box Series I-28
Thom, Rene	1957; 1966	Box Series I-28
Some in French		
Thomasian, A. J.	1952	Box Series I-28
Thomsen, D. L.	1952	Box Series I-28
Thon, J. George	1947-1980;n.d.	Box Series I-28
Some in Polish		
Thornton, Jack N.	1976-1977	Box Series I-28
Thorpe, Leona	1980	Box Series I-28

## Series I. Professional correspondence, 1932-1986

Thron, Wolfgang J.	1969-1973	Box Series I-28
Tilton, Mary C.	1982	Box Series I-28
Tippo, Oswald	1961	Box Series I-28
Todd, John	1956-1957	Box Series I-28
Todd, Olga Taussky	1957; 1977	Box Series I-28
Toll, John S.	1966	Box Series I-28
Tompkins, C. B.	1958	Box Series I-28
Topsoe, Flemming	1980	Box Series I-28
Toren, James W.	1976	Box Series I-28
Toulouse, Gerard	1977-1978	Box Series I-28
Traczyk, Tadeusz	1975; 1977	Box Series I-28
Some in Polish		
Trapnell, Bruce S.	1974	Box Series I-28

## Series I. Professional correspondence, 1932-1986

Traub, J. F.	1976	Box Series I-28
Trautman, Andrzej	1976	Box Series I-28
Travis, Irvn	1946	Box Series I-28
Tressler, Arthur G.	1969	Box Series I-28
Trueb, Lucien F.	1970	Box Series I-28
Tuck, J. L.	1952; 1957	Box Series I-28
Humorous article "Perhapsatron" O'Connor, Tom See Finkelstein, D.		
Tucker, A. W.	1956; 1958	Box Series I-28
Tufts, [?]	1946	Box Series I-28
Los Alamos		
Tukey, John W.	1963-1964	Box Series I-28
Tunney, John V.	1967	Box Series I-28
Congressman		

## Series I. Professional correspondence, 1932-1986

Turner, Alan F.	1960	Box Series I-28
Tuve, Merle A.	1966-1969	Box Series I-28
National Academy of Sciences See Birkhoff, Garrett		
Tyler, Carroll L.	1949	Box Series I-28
Uberoi, Mahinder S.	1966; 1968	Box Series I-28
bioastronautics		
Ulam, Arthur James	1977	Box Series I-28
Ulam, Norman J.	1950	Box Series I-28
math notes		
Unknown		Box Series I-28
Folder #1	1934-1949	Box Series I-28
Some in German; 11/12/34 postcard made from SMU photo.; 3/9/45 re: job offers		
Folder #2	1950-1968	Box Series I-28
8/10/59 re: LASL consultants		
Folder #3	1970-1976	Box Series I-28

## Series I. Professional correspondence, 1932-1986

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Some in Polish, Russian, French; 6/7/76 re: SMU in 1920s

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Folder #4	1977-1983	Box Series I-28
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Some in French

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Folder #5	n.d.	Box Series I-28
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Folder #6	n.d.	Box Series I-28
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Some in German

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Unruh, W. G.	1978-1979	Box Series I-28
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Uppuluri, V. R. R.	1977	Box Series I-28
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Urbanowski, Frank	1976; 1979	Box Series I-28
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M.I.T. Press

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Utley, [?]	1940	Box Series I-28
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Ulam letter on world affairs, WWII

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Utz, W. R.	1982-1983	Box Series I-28
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V[?]lle[?], Roger	n.d.	Box Series I-29
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In French

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## Series I. Professional correspondence, 1932-1986

van Dalen, Dirk	1978	Box Series I-29
van de Putte, H. W.	1967	Box Series I-29
Van der Merwe, Alwyn	1980	Box Series I-29
Van Doren, Charles	1979	Box Series I-29
Van Gogh, G. Anna	1980	Box Series I-29
Van Hove, L.	1973-1974	Box Series I-29
Gödel		
van Pouwen, Eric	1981	Box Series I-29
Scottish Book problem 11b		
Van Valen, Leigh	1971-1976	Box Series I-29
Van Vleck, J. H.	1942-1943	Box Series I-29
van Wijngaarden, A.	1966	Box Series I-29
Varga, Richard S.	1971	Box Series I-29
Varshavsky, V. I.	1973	Box Series I-29

## Series I. Professional correspondence, 1932-1986

Veblen, Oswald	1947-1957	Box Series I-29
Verlarde, Manuel G.	1982-1983	Box Series I-29
Vesentini, Edoardo	1972-1974, n.d.	Box Series I-29
Vijayaraghavan, T.	1936-1952	Box Series I-29
Viking Press, Inc.	1969	Box Series I-29
Gamow		
Vietmeyer, Noel D.	1973	Box Series I-29
Voelpel, Red. Richard	1981	Box Series I-29
Some in German		
Vogelfanger, Isaac J.	1977-1980	Box Series I-29
Vogt, Andy	1981	Box Series I-29
Völpel, Richard H.	1981	Box Series I-29
In German		
Volsky, George	1963-1983	Box Series I-29

## Series I. Professional correspondence, 1932-1986

v[on] Mises, R.	1940-41	Box Series I-29
von Neumann, John		Box Series I-29
all folders contain exchange of "mathematical news" (problems)		
Folder #1	1936?-1941	Box Series I-29
5/5/41 alludes to "defense work" See Fermi, Enrico See Gamow, George See Hollis, William H.		
Folder #2	1942-1948	Box Series I-29
4/2/42 refers to JVN's "war work;" 11/9/43 describes "the project" JVN has asked SMU to join		
Folder #3	1949-1950	Box Series I-29
3/24/50-attitudes re: work on H-bomb		
Folder #4	1951-1952	Box Series I-29
10/26/51 re: Teller's resig. from LASL		
Folder #5	1953-1957; 1986; n.d.	Box Series I-29
Teller, Edward Ulam, Françoise		
Folder #6	1958-1959	Box Series I-29

**Series I. Professional correspondence, 1932-1986**


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JVN memorial

Allen, R. B.

Bronk, Detlev W.

Collbohm, F. R.

Dodd, Paul A.

Hyland, L. A.

Kelly, M. J.

Knudsen, Vern O.

Luce, Henry R.

Murphree, E. V.

Ramo, Simon

Ridenour, Louis N.

Simon, Leslie E.

Walkowicz, T. F.

von Neumann, Klari	1948-1958;n.d.	Box Series I-29
Vonneumann, Nicholas A.	1980	Box Series I-29
See Series VIII:[von Neumann, John. Biography of], Folder #1		
von Schelling, Hermann	1950-1955;n.d.	Box Series I-29
Voorhoeve, Mark	1980	Box Series I-29
Vuckovic, Vera	1980	Box Series I-29
Vukomanovic, Dorde	1977	Box Series I-29
Wace, [?]	1940	Box Series I-29

## Series I. Professional correspondence, 1932-1986

Wace, Alan J. B.	1936-1955;n.d.	Box Series I-29
Wagner, K.	1956	Box Series I-29
Wagner, Philip L.	1977	Box Series I-29
Wahl, Jonathan M.	1977	Box Series I-29
Walden, Bill	1982	Box Series I-29
Walden, William E.	1967-1977	Box Series I-29
Walker, Gordon L.	1960-1973	Box Series I-29
See American Mathematical Society		
Walker, R. J.	1957	Box Series I-29
Wallace, Alexander Doniphan	1957-1970	Box Series I-29
Wallace, Bryan G.	1969	Box Series I-29
Walsh, Eric	n.d.	Box Series I-29
Walsh, J. L.	1939-1941	Box Series I-29
See Birkhoff, Garrett		

**Series I. Professional correspondence, 1932-1986**

Walsh, John	1981	Box Series I-29
Walter, Donald O.	1964-1966	Box Series I-29
Wandycz, Damian S.	1964-1971	Box Series I-29
Some in Polish		
Wang, Edward T. H.	1977	Box Series I-29
Wang, Hao	1965-1966	Box Series I-29
Wang, Yao Rong	1982	Box Series I-29
Ware, Buck	1979	Box Series I-29
Warnock-Smith, Neil	1979	Box Series I-29
Kuratowski book; SMU's preface		
Wasén, Rolf	1977-1982	Box Series I-29
Wassong, Joseph F.	1979	Box Series I-29
Waterman, Michael S.	1980	Box Series I-29
Watkins, Edwin	1959	Box Series I-29

## Series I. Professional correspondence, 1932-1986

Watson, K[en] M.	1958	Box Series I-29
Wayment, Stanley G.	1973	Box Series I-29
Weaver, Warren	1957-1958; 1968;1976	Box Series I-30
Rockefeller Fdn.; JVN		
Webb, James E.	1965	Box Series I-30
NASA		
Webber, Carroll	1963	Box Series I-30
Weeks, Ivan F.	1957	Box Series I-30
Weigle, Richard D.	1975	Box Series I-30
Weil, A[ndré]	1943;1948; n.d.	Box Series I-30
Weiner, Sidney	1977	Box Series I-30
Weintraub, E. Roy	1982	Box Series I-30
Weiss, D. C.	1963	Box Series I-30
Weiss, Gary B.	1969	Box Series I-30

## Series I. Professional correspondence, 1932-1986

Weiss, Guido	1976	Box Series I-30
Weisskopf, Victor F.	1957-1977;n.d.	Box Series I-30
9/1/72 draft of "infinities;" VFW's comments		
Wells, Herman B.	1967	Box Series I-30
Wells, Mark B.	1959;1965-1971	Box Series I-30
Wendel, James G.	1955	Box Series I-30
Pasta, John		
Wentworth, R. C.	1972	Box Series I-30
Werner, Richard G.	1964	Box Series I-30
Wesley, Eugene	1978	Box Series I-30
Wesolowski, Sigmund A.	1968	Box Series I-30
Weston, Kenneth	1977	Box Series I-30
Weston-Smith, Miranda	1974;n.d.	Box Series I-30
Weyl, F. J.	1955	Box Series I-30



**Series I. Professional correspondence, 1932-1986**

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Weyl, F. Joachim	1962;1966	Box Series I-30
Weyl, Hermann	1943;1948	Box Series I-30
Wheeler, John a.	1952-1975	Box Series I-30
Compression of matter; Everett's paper; ABM statement Dewitt, Bryce See Brillouin, Leon		
Whipple, T[om]	1974	Box Series I-30
White, Andy	1983	Box Series I-30
White, B. L.	1977	Box Series I-30
White, Dale A.	1982?	Box Series I-30
Gainesville press release		
White, George N.	1957-1973	Box Series I-30
Hydrodynamics and applied math. at LASL		
White, R[andy]	1974	Box Series I-30
White, Stephen	1981	Box Series I-30
See also Series VIII: von Neumann, John. Biography of. Folder #'s 1,3,4		

## Series I. Professional correspondence, 1932-1986

Whitehead, Alfred North	1941	Box Series I-30
Whitlock, David G.	1975	Box Series I-30
Whitman, Malcolm	1982	Box Series I-30
biomathematics		
Whitman, Marina Von Neumann	1958-1980	Box Series I-30
Halperin, Israel		
Kalman, R. E.		
Whittaker, James V.	1959	Box Series I-30
Whittaker, P. N.	1957	Box Series I-30
Whittington, Stuart Gordon	1967	Box Series I-30
Wiadososci	1978	Box Series I-30
Widmer, Wilbur J.	1981-1982	Box Series I-30
Wielkoszewski, W.	1973	Box Series I-30
Some in Polish		
Wiener, Joseph	1982	Box Series I-30

## Series I. Professional correspondence, 1932-1986

Wiesner, Jerome B.	1961-1971; n.d.	Box Series I-30
ROVER & ORION See Hill, Albert G.		
Wiggin, Blanton C.	1983	Box Series I-30
Number series		
Wigner, Eugene P.	1957-1978	Box Series I-30
Reactor symp. See Birkhoff, Garrett		
Wilcox, Ralph M.	1970	Box Series I-30
Wild, John M.	1964	Box Series I-30
ORION		
Wilder, R. L.	1967	Box Series I-30
Wiley, Norbet	1981	Box Series I-30
Gödel		
Wiley-Interscience	1970-1978	Box Series I-30
Williams, John D.	1949-1957	Box Series I-30
RAND;JVN		

**Series I. Professional correspondence, 1932-1986**

Williams, Larry	1966	Box Series I-30
SMU's set theory course		
Williams, Lloyd B.	1958-1959	Box Series I-30
Williams, Stan	1982	Box Series I-30
Wilson, E. Bright	1949	Box Series I-30
Wilson, J. S.	1969	Box Series I-30
Wilson, Paul A.	1958	Box Series I-30
Wilson, R. Lynn	1972-1973	Box Series I-30
LASL consultant agreements		
Wing, G. Milton	1973-1978	Box Series I-30
Wing, Nina (Mrs. G. Milton)	1969	Box Series I-30
Winstead, Warren J.	1966-1967	Box Series I-30
Wirszup, Izaak	1980	Box Series I-30
Wirth, Tim	1979	Box Series I-30

## Series I. Professional correspondence, 1932-1986

Wishart, Arthur W.	1966-1968;n.d.	Box Series I-30
Wisner, Bob	1972	Box Series I-30
Wisniewski, W. L.	1957	Box Series I-30
Witten, Edward	1981	Box Series I-30
Wlodarski, J.	1971	Box Series I-30
Wohlberg, Margaret	1975	Box Series I-30
Wojcik, Richard R.	1975	Box Series I-30
Wolf, Katie R.	1944	Box Series I-30
Wolf, Robert A.	1961	Box Series I-30
General Atomic; ORION		
Wolfe, Hugh C.	1961	Box Series I-30
SANE; Test Ban Treaty		
Wolfe, Philip	1955	Box Series I-30
Games		

**Series I. Professional correspondence, 1932-1986**

Wolfram, Stephen		Box Series I-30
See Farmer, Doyne		
Wolkowisky, Jay	1970-1974	Box Series I-30
Worlton, Jack	1977	Box Series I-30
Wright, Fred B.	1976	Box Series I-30
Wrubel, Marshal H.	1962	Box Series I-30
Wszelaki, Jan	1964	Box Series I-30
Some in Polish		
Wunderlich, M. C.		Box Series I-30
Folder #1	1962-1969	Box Series I-30
Folder #2	n.d.	Box Series I-30
Hilbert's 10th problem		
Wyden, Peter	1983	Box Series I-30
Wydro, Jan	1983	Box Series I-30

## Series I. Professional correspondence, 1932-1986

Wyman, Jeffries	1968-1969	Box Series I-30
Mycielski, Jan		
Wynne, Allen	1976	Box Series I-30
Wysocki, Theodore	1969	Box Series I-30
Wyss, Walter	1981	Box Series I-30
Yamasaki, Shin'inchiro	1952	Box Series I-31
Yang, C. T.	1954	Box Series I-31
Yang, Eileen	1980	Box Series I-31
Yankelevich, E.	1981	Box Series I-31
Sakharov		
Yanoff, Michael	1980	Box Series I-31
Yarbrough, Edward	1980	Box Series I-31
Spirals, primes		
Yevick, Miriam L.	1971	Box Series I-31

## Series I. Professional correspondence, 1932-1986

York, Herbert F.	1958-1976	Box Series I-31
Nuclear history		
Young, David M.	1959; 1961	Box Series I-31
Computers See Garabedian, Paul R.		
Young, John V.	1963	Box Series I-31
re: H-bomb invention Shearer, Lloyd		
Youngs, J. W. T.	1950	Box Series I-31
Yourgrau, Wolfgang	1967-1968	Box Series I-31
Zabusky, Charlotte	1975	Box Series I-31
Zabusky, Norman		Box Series I-31
Folder #1	1959-1965	Box Series I-31
International School of Nonlinear Mathematics and Physics Kruskal, Martin		
Folder #2	1966-1970	Box Series I-31
Kruskal, Martin		



## Series I. Professional correspondence, 1932-1986

Folder #3	1971-1980	Box Series I-31
Zacharias, Jerrold R.	1966-1967; 1982	Box Series I-31
Zadina, Edward J.	1973	Box Series I-31
Zadworski, Zenon	1974	Box Series I-31
Zaharia, S. D.	1981	Box Series I-31
Zaks, Joseph	1971	Box Series I-31
Zaleski, Stephane	1982-1983	Box Series I-31
Some in French		
Zawacki, Edmund	1964; 1978; 1980	Box Series I-31
Zawadzka, Regina J.	1938	Box Series I-31
Zelen, Marvin	1983	Box Series I-31
Zener, C.	1961	Box Series I-31
Ziemba, Walter J.	1971	Box Series I-31

**Series I. Professional correspondence, 1932-1986**


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Zietlow, Paul	1982	Box Series I-31
Zinman, Walter G.	1971; 1977	Box Series I-31
Zinn, John	1967	Box Series I-31
Zippin, Leo	1959	Box Series I-31
Zolzistaw[?], A[lex]	n.d.	Box Series I-31
Zotcinski, Edward	1977	Box Series I-31
Zuckerandl, Emile	1979	Box Series I-31
Zygmund, Antoni	1940-1983	Box Series I-31

Some in Polish; 7/11/45 letter re: deaths during WWII  
See Engelking, Ryszard

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## Series II. Personal correspondence, 1936-1979

Series II. Personal correspondence,  
1936-19790.5 Linear  
feet 1 box

Letters, postcards, and telegrams to Ulam from various family members and friends from Poland and the United States. Manuscripts are arranged alphabetically by correspondent's name and chronologically within each file. The bulk of the material dates from 1936 to the beginning of World War II, while Ulam was teaching at Harvard University. A significant portion of this series is in Polish, and the subjects have not been determined.

The collective family correspondence (2 folders) is potentially of some biographical interest. While in many cases the writers have not been identified, it appears that Ulam's father, Jozef, is a regular participant in these group letters as they most often appear on his Lwów law office letterhead. Perhaps the most poignant English-language letter from Series II is one written by a cousin, Juliusz (Julek) Ulam, in March 16, 1945, informing Ulam that his immediate family, including father, sister, brother-in-law, and uncle "all fell from the hands of the Nazis." One of the most vivid features of the personal correspondence is surely the depiction of life in Poland before the outbreak of World War II.

Auerbach, Jozef	1939	Box Series II-1
Some in German		
Auerbach, Klara	1938	Box Series II-1
Aunt See Auerbach, Mike		
Auerbach, Mike	1938	Box Series II-1
Cousin; note from Klara Auerbach in Polish; poem		
Brenner, Maksymiljan	1938	Box Series II-1
In Polish		

## Series II. Personal correspondence, 1936-1979

Brett, Lily	1947	Box Series II-1
Bussgang, Julian J.	1949-1955	Box Series II-1
Collective Family Correspondence		Box Series II-1
Folder #1	1936-1937	Box Series II-1
In Polish; several family		
Folder #2	1938-1949; n.d.	Box Series II-1
Correspondents on each letter		
Diamant, L.	1940	Box Series II-1
Goldberg, Izydor	1947	Box Series II-1
Uncle		
Goldberg, Lusia	1946-1959; n.d.	Box Series II-1
Aunt; Some in Polish		
Gruss, Jozef	1940; n.d.	Box Series II-1
In Polish		
Hofstadter, Douglas R.	1977	Box Series II-1

## Series II. Personal correspondence, 1936-1979

Photocopy of Polish address book mentioning relatives		
Menkes, Zygmund	1936-1979; n.d.	Box Series II-1
Mainly in Polish		
Plesch, Leonie	1947	Box Series II-1
In Polish		
Richet, Tosia	n.d.	Box Series II-1
In Polish		
Thon, Jerry	1939	Box Series II-1
In Polish		
Ulam, Adam		Box Series II-1
Brother; Some in Polish		
Folder #1	1939-1977	Box Series II-1
Folders #2-3	n.d.	Box Series II-1
Ulam, Alex[ander]		Box Series II-1
-See Ser. I, Ballen, Samuel B.		
Ulam, Andrezej	1936-1948;n.d.	Box Series II-1

## Series II. Personal correspondence, 1936-1979

## Some in Polish

Ulam, Françoise	1944; 1973; 1984; 1986	Box Series II-1
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-See also Ser. I, Budrewicz, [?]

-See also Ser. I, Gardner, Martin

-See also Ser. I, von Neumann, John

Ulam, Jozef	1936-1938	Box Series II-1
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## Father; in Polish

Ulam, Juliusz (Julek)		Box Series II-1
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## Cousin; Some in Polish

Folder #1	1939-1949	Box Series II-1
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16.III.45 gives news that immediate family killed by Nazis during WWII

Folder #2	1953-1979	Box Series II-1
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Ulam, Marysia	1936-1937	Box Series II-1
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Ulam, Szymon	1936-1948	Box Series II-1
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Unknown		Box Series II-1
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Folder #1	1936-1940	Box Series II-1
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## Some in Polish

**Series II. Personal correspondence, 1936-1979**

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Folder #2

1940-1949; n.d.

Box Series  
II-1

Some in Polish

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**Series III. Polish materials, 1935-1984****Series III. Polish materials, 1935-1984****0.53 Linear  
feet 1 box**

Untranslated correspondence, early mathematical notes, and miscellaneous Polish newspaper articles dating from Ulam's first months at the Institute for Advanced Study in Princeton through the end of his life. Series III houses a significant portion of the Polish correspondence found throughout the collection, except for Polish letters with identified correspondents. These can be found in the alphabetical arrangement of Series I and II. Mathematical notes in this series include some of Ulam's early studies in mathematics, before he began working primarily in English. These original research documents are the most noteworthy aspects of this series. There are also a few notes in the hand of unidentified Polish colleagues. All notes of Series III remain undated, as do most of the Polish newspaper clippings.

Correspondence		Box Series III-1
Folder #1	1935-1939	Box Series III-1
In Polish		
Folder #2	1940-1949	Box Series III-1
In Polish		
Folder #3	1950-1964	Box Series III-1
In Polish		
Folder #4	1965-1971	Box Series III-1
In Polish		
Folder #5	1972-1975	Box Series III-1



## Series III. Polish materials, 1935-1984

In Polish		
Folder #6	1976-1977	Box Series III-1
In Polish		
Folder #7	1978-1979	Box Series III-1
In Polish		
Folder #8	1980-1981	Box Series III-1
In Polish		
Folder #9	1982-1983	Box Series III-1
In Polish		
Folder #10	1984	Box Series III-1
In Polish		
Folder #11	n.d.	Box Series III-1
In Polish		
Mathematical Notes		Box Series III-1
2 Folders	n.d.	Box Series III-1
In Polish		

**Series III. Polish materials, 1935-1984**

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Newspaper Articles

1981; n.d.

Box Series  
III-1

In Polish

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## Series IV. Subject files, ca.1945-1983

## Series IV. Subject files, ca.1945-1983

1.5 Linear  
feet 3 boxes

Diverse materials dating from Ulam's initial involvements at LASL through his final years of life, arranged alphabetically by topic. While many of the files hold correspondence relating to specific subjects of interest to Ulam, there are various other materials, such as information booklets, scientific symposium agendas, proposals, and miscellaneous documents. Many of the files reflect Ulam's participation in learned and professional societies and events in the scientific community. Some of the larger subject files contain Ulam's invitations to lecture at universities and societies, National Science Foundation proposals submitted to Ulam for review, and letters of recommendation for graduate students. Among the files of particular interest are several containing information on LASL. This is noted on the container listing.

[Administration of graduate students]	1960-1968;n.d.	Box Series IV-1
Air Force Space Study Committee	1960-1961	Box Series IV-1
Projects ORION and ROVER		
American Mathematical Society	1946-1958	Box Series IV-1
misc.		
American Mathematical Society.	1957-1958	Box Series IV-1
Gibbs lecture committee		
American Mathematical Society.	1956-1960	Box Series IV-1
Correspondence		
Mathematical Reviews		

Series IV. Subject files, ca.1945-1983

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American Mathematical Society.	1959-1961;n.d.	Box Series IV-1
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Correspondence

Mathematical Surveys Editorial Committee

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American Mathematical Society.	1960-1961	Box Series IV-1
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Symposium on Mathematical Problems in the Biological Sciences

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Atomic Energy Commission	1 Jan. 1958	Box Series IV-1
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Diagram organization

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Autobiographical information		Box Series IV-1
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Folder #1	1980-1982;n.d.	Box Series IV-1
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Vita

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Folder #2	1966-1978	Box Series IV-1
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Essays

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Folder #3	1984-1985;n.d.	Box Series IV-1
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Publication lists

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Crackpots		Box Series IV-1
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Corresp. and papers

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## Series IV. Subject files, ca.1945-1983

Folder #1	1959	Box Series IV-1
Folder #2	1959-1969	Box Series IV-1
Folder #3	1970-1971	Box Series IV-1
Folder #4	1971-1974; n.d.	Box Series IV-1
Employment, contracts of	1945-1971	Box Series IV-1
Consultant agreements; LASL Project Y		
Employment, offers of	1936-1955	Box Series IV-1
Grusin, Claire Ulam	n.d.	Box Series IV-1
Vita		
H-Bomb Conference, Princeton	21-23 June 1982	Box Series IV-1
See also Series XV: Bundy, McGeorge and Smyth, H.D.		
Harvard Symposium on Digital	3-6 April 1961	Box Series IV-1
Abstract: Computers and Their Applications		
Hycon Manufacturing Company	1960-1962	Box Series IV-1
Patents		

## Series IV. Subject files, ca.1945-1983

International Congress of Mathematicians, 11-19 Aug. 1982 Warsaw Meeting		Box Series IV-1
Invitations to give talks		Box Series IV-1
Folder #1	1956-1967	Box Series IV-1
Folder #2	1968	Box Series IV-1
Folder #3	1968	Box Series IV-1
Folder #4	1969	Box Series IV-1
Folder #5	1970	Box Series IV-1
Folder #6	1970	Box Series IV-1
Folder #7	1971-1972	Box Series IV-1
Folder #8	1973	Box Series IV-2
Folder #9	1974; n.d.	Box Series IV-2
Jurzykowki Foundation, Inc.		Box Series IV-2
Folder #1	1963-1974	Box Series IV-2

Series IV. Subject files, ca.1945-1983

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Some in Polish		
Folder #2	1975-1976	Box Series IV-2
Some in Polish		
Folder #3	1977-1978	Box Series IV-2
Some in Polish		
Folder #4	1979	Box Series IV-2
Some in Polish		
Folder #5	1980-1981	Box Series IV-2
Some in Polish		
Folder #6	1982-1983;n.d.	Box Series IV-2
Some in Polish		
Los Alamos Scientific Laboratory	1946-1949;n.d.	Box Series IV-2
Misc. memos; diagrams of personnel organization		
Los Alamos Scientific Laboratory. Laboratory Policy Committee	1960-1961	Box Series IV-2
Minutes, outlines, summaries of research		
Los Alamos Scientific Laboratory. Unclassified reports		Box Series IV-2

## Series IV. Subject files, ca.1945-1983

Folder #1	1 Jan. 1958	Box Series IV-2
Folder #2	29 Jan. 1958	Box Series IV-2
Folder #3	12 Feb. 1958	Box Series IV-2
Mathematical Association of America. The American Mathematical Monthly	1959-1960	Box Series IV-2
Mathematical Association of America. Visiting lecturer	1959	Box Series IV-2
Mathematical Profiles Project		Box Series IV-2
Folder #1	1957	Box Series IV-2
Folder #2	1958	Box Series IV-2
Folder #3	1958	Box Series IV-2
National Academy of Sciences		Box Series IV-2
Folder #1	1966-1967	Box Series IV-2
minutes, by-laws, constitution		
Folder #2	1966-1982?	Box Series IV-2
nomination, program, biographical info.		



**Series IV. Subject files, ca.1945-1983**

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National Academy of Sciences, election to 1966

Box Series  
IV-2

Congratulatory correpondence

Abelson, Philip H.

Baker, Bill

Bing, R. H.

Brauer, Richard

Breit, Gregory

Brickwidde, F. G.

Burbidge, Geoffrey

Courant, R.

Dominick, Peter H.

Floberg, John F.

Gamow, Mr. and Mrs. Igor

Goldhaber, Maurice and Trude

Hornig, Donald F.

Humphrey, Hubert H.

Kerr, Clark

Kerst, Donald W.

Knous, Robert L.

Kolodner, I. I.

Kuchel, Thomas H.

Love, John A.

Neyman, Jerzy

Puck, Ted

Ramey, James T.

Richtmyer, Jane

Rinehart, R. F.

Schmidt, Eric W.

Seaborg, Glenn T.

Steinhaus, Hugo

Tarski, Alfred

Taub, Abe

## Series IV. Subject files, ca.1945-1983

Todd, John  
 Tuve, Merle A.  
 Waddington, C. H.  
 Walker, Gordon L.  
 Wallace, Alexander Doniphan  
 Walsh, J. L.  
 Wheeler, John A.  
 Wilder, R. L.

National Academy of Sciences. National Research Council	1956-1959	Box Series IV-2
National Science Foundation Proposals		Box Series IV-2
Folder #1	1956	Box Series IV-2
Folder #2	1956	Box Series IV-2
Folder #3	1956	Box Series IV-3
Folder #4	1957-1958	Box Series IV-3
Folder #5	1958	Box Series IV-3
Folder #6	1959	Box Series IV-3
Folder #7	1960-1961	Box Series IV-3
Folder #8	1972-1973;n.d.	Box Series IV-3

## Series IV. Subject files, ca.1945-1983

See also Series VIII: Bednarck, A. R. and S. M. Ulam		Box Series IV-3
NOBSKA, Project	1956	Box Series IV-3
Nuclear Reactor Theory, Symposium on	1958-1959	Box Series IV-3
ORION project patent	1960	Box Series IV-3
British		
Personnel questionnaires	[1950?]-1952	Box Series IV-3
Johns Hopkins University		
Press releases, War Department.	[1945?]	Box Series IV-3
Atomic Bomb Project		
Proposals	1960	Box Series IV-3
Misc.		
Recommendations, letters of	1947-1981	Box Series IV-3
Graduate students		
Folder #1 A-D		Box Series IV-3
Folder #2 E-I		Box Series IV-3

**Series IV. Subject files, ca.1945-1983**

Folder #3 J-N		Box Series IV-3
Folder #4 O-Z		Box Series IV-3
Test Ban Treaty	1963-1965;n.d.	Box Series IV-3
See also Series I: Anderson, Clinton P. and Mechem, E. L.		
Vietnam, A Statement on U.S. Policy in	1968	Box Series IV-3
Weizmann Institute of Science		Box Series IV-3
Folder #1	1960-1964	Box Series IV-3
Folder #2	1965-1974	Box Series IV-3
Folder #3	1975-1978	Box Series IV-3
Folder #4	1979-1980	Box Series IV-3
Folder #5	1981-1983	Box Series IV-3

**Series V. Research notes, 1934-1983****Series V. Research notes, 1934-1983****2.0 Linear  
feet 4 boxes**

Ulam's original, unclassified research papers divided into two formats: notebooks and note pads (1934-1983) and unbound loose notes (1937-1983). Both groups are arranged chronologically, reflecting the major movements of Ulam's career from research notes made in Poland, through his positions at American universities and LASL. The notes relate to Ulam's personal research interests, rather than notes prepared for class lectures (which are housed separately in Series X). Forty notebooks and note pads as well as twenty-three folders of loose notes, graphs, and computer printouts on paper provide an overview of the research and mathematical problems that were the focus of Ulam's work throughout his lifetime. Much of the scientific and mathematical notation is unlabeled or undated.

Research notebook		Box Series V-1
Folder #1	1934	Box Series V-1
Poland; in Polish		
Folder #2	1935	Box Series V-1
Poland/Princeton? In Polish		
Folder #3	1936-1937	Box Series V-1
Princeton/Harvard? In Polish		
Folder #4	1938	Box Series V-1
Harvard		
Folder #5	ca. 1939-1941	Box Series V-1
University of Wisconsin		

## Series V. Research notes, 1934-1983

Folder #6	1940	Box Series V-1
Harvard		
Folder #7	ca. 1944	Box Series V-1
LASL		
Folder #8	1946	Box Series V-1
USC/LASL?		
Folder #9	1946-1948	Box Series V-2
LASL		
Folder #10	1947-1948	Box Series V-2
LASL		
Folder #11	1951	Box Series V-2
Harvard seminar on problems		
Folder #12	1951-1983	Box Series V-2
Harvard/LASL		
Folder #13	1966-1980	Box Series V-2
LASL		

## Series V. Research notes, 1934-1983

Folder #14	1969-1970	Box Series V-2
University of Colorado-problems and remarks in physics		
Folder #15	1977-1983	Box Series V-2
LASL		
Folder #16	1977-1983	Box Series V-2
University of Florida		
Folder #17	1979-1981	Box Series V-2
LASL		
Folder #18	1981-1982	Box Series V-2
LASL		
Folder #19	1981-1983	Box Series V-3
Folder #20	1982-1983	Box Series V-3
Folders #21-37	n.d.	Box Series V-3
Misc.		
Folders #38	n.d.	Box Series V-3
3 incomplete notepads		

Series V. Research notes, 1934-1983

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Research notes (unbound)		Box Series V-4
Folder#1	1937-1963	Box Series V-4
Misc.; some in Polish		
Folder #2	1973-1974	Box Series V-4
See oversize Series V		
Folder #3	1977-1983	Box Series V-4
Folder #4	n.d.	Box Series V-4
Pattern recognition See oversize Series V Schrandt, Robert G.		
Folders #5-22	n.d.	Box Series V-4
Misc.		
Folder #23	n.d.	Box Series V-4
All oversize See oversize Series V		

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**Series VI. Calendars and address books, 1934-1984****Series VI. Calendars and address books,  
1934-1984****2.0 Linear  
feet 4 boxes**

Volumes that were maintained by Ulam, spanning a significant portion of his lifetime. Calendars are most valuable as detailed records of Ulam's daily appointments, correspondence, and may include short mathematical notes. They appear in a variety of formats, including pocket, desk, and wall calendars, with pocket calendars often divided into four volumes per year. Some calendars are incomplete, due to the fact that Ulam removed pages to write notes and reminders, and in many cases, entire volumes from a year of pocket calendars are missing. Twelve address books are filed at the end of the series and mainly contain entries for fellow mathematicians and scientists. All volumes are arranged chronologically when the date has been ascertained, the remainder are grouped at the end of the series.

Calendar		Box Series VI-1
Folder #1	1934-1935	Box Series VI-1
From Harvard; some in Polish		
Folder #2	1942	Box Series VI-1
From University of Wisconsin		
Folder #3	1945	Box Series VI-1
From LASL		
Folder #4	1946	Box Series VI-1
From USC and LASL		
Folder #5	1947	Box Series VI-1
From LASL		

Series VI. Calendars and address books, 1934-1984

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Folder #6	3 Jan.-19 Mar. 1947	Box Series VI-1
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Loose pages of desk calendar		
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Folder #7	1947-1955	Box Series VI-1
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Incomplete; loose pages from LASL desk calendar		
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Folder #8	1948	Box Series VI-1
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From LASL; in 4 parts		
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Folder #9	1949	Box Series VI-1
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In 4 parts		
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Folder #10	1950	Box Series VI-1
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From LASL; in 4 parts		
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Folder #11	1951	Box Series VI-1
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Incomplete in 3 of 4 parts		
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Folder #12	[1951,1952?]	Box Series VI-1
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From LASL		
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Folder #13	1952	Box Series VI-1
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From LASL; in 4 parts		
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Series VI. Calendars and address books, 1934-1984

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Folder #14	[1953-1956?]	Box Series VI-1
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From LASL		
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Folder #15	1954	Box Series VI-1
------------	------	-----------------

Incomplete in 2 of 4 parts		
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Folder #16	12 Jan.-6 Sept. 1956	Box Series VI-2
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Incomplete; loose pages of desk calendar		
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Folder #17	1956	Box Series VI-2
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Incomplete in 1 of 4 parts		
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Folder #18	10 June 1956-16 June 1957	Box Series VI-2
------------	---------------------------	-----------------

From Harvard		
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Folder #19	27 Aug. 1956-1 Sept. 1957	Box Series VI-2
------------	---------------------------	-----------------

Folder #20	31 July-31 1957	Box Series VI-2
------------	-----------------	-----------------

Incomplete; loose pages of desk calendar		
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Folder #21	[1957?]	Box Series VI-2
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Folder #22	3 Feb.-17 1958	Box Series VI-2
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Incomplete; loose pages of desk calendar		
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Series VI. Calendars and address books, 1934-1984

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Folder #23	1958	Box Series VI-2
Folder #24	1959	Box Series VI-2
Incomplete; loose pages of desk calendar		
Folder #25	1 Feb.-7 Dec. 1960	Box Series VI-2
Incomplete; loose pages of desk calendar		
Folder #26	[1960,1961?]	Box Series VI-2
Folder #27	3 Oct.-21 Nov. 1962	Box Series VI-2
Incomplete; loose pages of desk calendar		
Folder #28	[1962?]	Box Series VI-2
In 2 parts		
Folder #29	7 June-14 Dec. 1963	Box Series VI-2
Incomplete; loose pages of desk calendar		
Folder #30	1964	Box Series VI-2
Incomplete in 1 of 4 parts		
Folder #31	[1964?]	Box Series VI-2

**Series VI. Calendars and address books, 1934-1984**

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Folder #32	1964	Box Series VI-2
Folder #33	1965	Box Series VI-2
Folder #34	1966	Box Series VI-2
Folder #35	1966	Box Series VI-2
Incomplete in 1 of 4 parts		
Folder #36	1967	Box Series VI-3
In 4 parts		
Folder #37	1967	Box Series VI-3
Folder #38	1968	Box Series VI-3
Incomplete in 3 of 4 parts		
Folder #39	1969	Box Series VI-3
From University of Colorado; in 4 parts		
Folder #40	1970	Box Series VI-3
From University of Colorado; incomplete in 3 of 4 parts		
Folder #41	1971	Box Series VI-3

Series VI. Calendars and address books, 1934-1984

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Incomplete in 3 of 4 parts

Folder #42

1972

Box Series  
VI-3

In 4 parts

Folder #43

1973

Box Series  
VI-3

In 4 parts

Folder #44

1974

Box Series  
VI-3

In 4 parts

Folder #45

1975

Box Series  
VI-3

In 4 parts

Folder #46

1976

Box Series  
VI-3

In 4 parts

Folder #47

1977

Box Series  
VI-3

In 4 parts

Folder #48

1978

Box Series  
VI-3

In 4 parts

Folder #49

1979

Box Series  
VI-3Incomplete in 3 of 4 parts

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Series VI. Calendars and address books, 1934-1984

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Folder #50	[1979?]	Box Series VI-3
Folder #51	1980	Box Series VI-3
In 4 parts		
Folder #52	1981	Box Series VI-3
In 4 parts		
Folder #53	1982	Box Series VI-4
In 4 parts		
Folder #54	1983	Box Series VI-4
In 4 parts		
Folder #55	1984	Box Series VI-4
In 4 parts		
Folder #56	n.d.	Box Series VI-4
3 unidentified		
Address books		Box Series VI-4
Folder #1	1941	Box Series VI-4
From LASL		

**Series VI. Calendars and address books, 1934-1984**

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Folder #2

n.d.

Box Series  
VI-44 books

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Folder #3

n.d.

Box Series  
VI-42 of 4 books from LASL

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Folder #4

n.d.

Box Series  
VI-41 of 2 books from University of Colorado

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Folder #5

n.d.

Box Series  
VI-4photocopy

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## Series VII. Talks and interviews, 1937-1984

## Series VII. Talks and interviews, 1937-1984

2.0 Linear  
feet 4 boxes

Outlines, notes, diagrams, abstracts, announcements, autograph manuscript and typescript drafts, and final transcripts of Ulam's extensive talks and interviews given during his life. Most of the talks represented in this series date from the middle to the end of Ulam's career (1950s-1980s), with the bulk falling during the 1960s and 1970s, with outlines of talks, discussions, and seminars predominating. Giving these "talks," as Ulam referred to them, came to be one of the most time-consuming activities in the scientific community during the latter part of his career. The talks and interviews of this series are arranged alphabetically by the title provided by Ulam. In many cases, the materials are identified only with a city as title; consequently, a number of the talks are filed alphabetically by the city in which they were given. Unidentified talks are located in four folders labeled "miscellaneous notes/outlines." Transcripts of audio-taped interviews with Ulam and colleagues are also housed in Series VII. Transcripts are interfiled alphabetically by title with other materials in the series, except when the name of the interviewer (usually an author preparing an article) has been identified. Such transcripts are located under the interviewer's name. Among the most noteworthy "interviews" is a transcript of a conversation between Ulam and long-time friend and collaborator, Gian-Carlo Rota. This transcript, in two parts, documents fifteen anecdotal conversations covering a wide range of topics, including thoughts on mathematics, philosophy, and John von Neumann.

A.A.S. meeting, talk at Gainesville, FL.	9 Mar. 1974	Box Series VII-1
Outline		
Albuquerque, talk	4 Oct. 1951	Box Series VII-1
Outline		
Albuquerque, talk	7 May 1961	Box Series VII-1
Outline		
Albuquerque, talk in	1971	Box Series VII-1

## Series VII. Talks and interviews, 1937-1984

Outline			
Analogy in mathematics	1980		Box Series VII-1
Notes			
Applications of the notion of distance between combinatorial structures and growing patterns	n.d.		Box Series VII-1
Abstract			
Arden House, talk	8-10 Oct. [1952]	3 folders	Box Series VII-1
Outlines			
Aspen conference on education in applied mathematics, remarks	1966		Box Series VII-1
Transcript			
Astronautics symposium, second annual. Denver, Colorado	28-30 Apr. 1958		Box Series VII-1
Schedule			
Astronomical Society, talks in the	11 July 1951	2 folders	Box Series VII-1
Outlines			
Astr[onomical] Society, talk	n.d.		Box Series VII-1
Outline			
Astronomical Society, Purdue, talk	23 June 1967		Box Series VII-1

## Series VII. Talks and interviews, 1937-1984

Outline		
Berkeley, talks	2 Nov. 1955	Box Series VII-1
Outlines		
Berkeley, talk	23 July 1960	Box Series VII-1
Outline		
Best number of science	14 May	Box Series VII-1
Notes for talk		
Binary branching process	1967	Box Series VII-1
Abstract		
Binary processes, talk on. Siam	13 June 1967	Box Series VII-1
Outline		
Biology, seminar	27 Feb. 1976	Box Series VII-1
Outline		
Biology department, Boulder, talk	22 Nov. 1968	Box Series VII-1
Outline		
Biology seminar, talks	1973	Box Series VII-1
Outlines		

## Series VII. Talks and interviews, 1937-1984

Biophysics meeting, U. of IL	1967	Box Series VII-1
Transcript of discussion		
Boca Raton, talk	1978	Box Series VII-1
Outline		
Boca Raton, talk	n.d.	Box Series VII-1
Outline		
Boulder, talk	9 July 1956	Box Series VII-1
Outline		
Boulder, talk	29 Oct. 1962	Box Series VII-1
Outline		
Boulder, talk in	20 May 1968	Box Series VII-1
Outline		
Boulder, talk	10 May 1969	Box Series VII-1
Outline		
Boulder, talk	30 Sept. 1976	Box Series VII-1
Outline		

## Series VII. Talks and interviews, 1937-1984

Boulder, [talk in]	25 Dec. 1976	Box Series VII-1
Outline		
Boulder, talk	30 Sept. 1983	Box Series VII-1
Outline		
Boulder[?] conference, talk at the	3 Dec. 1976	Box Series VII-1
Outline		
Boulder (for SIAM), talk	15 Nov. 1961	Box Series VII-1
Outline		
Boulder seminar	16 Nov. 1961	Box Series VII-1
Outline		
Boulder seminar	Fall 1975	Box Series VII-1
Outline		
Boulder seminar	7 Oct. 1976	Box Series VII-1
Outline		
Boulder seminar	14 Oct. 1976	Box Series VII-1
Outline		

## Series VII. Talks and interviews, 1937-1984

Boulder seminar	26 Oct. 1976		Box Series VII-1
Outline			
Boulder seminar, talk	Dec. 1976		Box Series VII-1
Outline			
Boulder seminar, talk	12 Oct. 1961		Box Series VII-1
Outline			
Boulder seminar, talk	21 Oct. 1976		Box Series VII-1
Outline			
Boulder seminar, talk	28 Oct. 1976		Box Series VII-1
Outline			
Brain, the	11 May 1981		Box Series VII-1
Outline of talk in Paris			
Brain, the. Talk at Los Alamos on	1981	2 folders	Box Series VII-1
Outlines			
Brain talk	1981		Box Series VII-1
Transcript			

Series VII. Talks and interviews, 1937-1984

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Brookhaven, talk	7 Dec. 1956	Box Series VII-1
Outline		
Brookhaven, talk	27 July 1965	Box Series VII-1
Outline		
Brookhaven, talk	1978	Box Series VII-1
Outline		
Brooklyn, talk	15 Apr. 1955	Box Series VII-1
Outlines		
Brown University, talk at	26 Apr. 1957	Box Series VII-1
Outline		
Bryn Mawr, talk	1983	Box Series VII-1
Outline		
California, lecture tour	7-23 Jan. 1959	Box Series VII-1
Outline,schedule		
Cambridge, talk	3 Apr. 1961	Box Series VII-1
Outlines		

## Series VII. Talks and interviews, 1937-1984

Chicago, talk	25 Apr. 1952	Box Series VII-1
Outlines		
Chicago, talk	1979	Box Series VII-1
Outline		
Chicago, talk in [?] meeting	17 Nov. 1969	Box Series VII-1
Outline		
Chicago colloquium, talk	24 Feb.	Box Series VII-1
Outline		
Chico, talk	1979	Box Series VII-1
Outline		
[Collapse of stars]	1967	Box Series VII-1
Abstract		
College de France, talk in (Flato)	n.d.	Box Series VII-1
Outline		
Colloquium in E. E.	22 May 1957	Box Series VII-1
Outline		



## Series VII. Talks and interviews, 1937-1984

Colorado, University of. talk	1981	Box Series VII-1
Outline		
Combinatorial problems in the theory of patterns and process	1971	Box Series VII-1
Transcription		
Combinational seminar, talk in [Gainesville, 1982 FL?]		Box Series VII-1
Outline		
Combinatorics, talk on	17 Apr. 1969	Box Series VII-1
Outline		
Combinatorics in biology [?]Flato lecture	1977	Box Series VII-1
typescript		
Combinatorics in Pisa	n.d.	Box Series VII-1
Outline of talk		
Combinatorics of the lattice of points with integer coefficients in Euclidean space	12 Feb. 1976	Box Series VII-1
Outline for seminar		
Complexity of projective Algebras	1977	Box Series VII-1
Outline		
On same page: Denver, talk in, 1977 (outline)		

## Series VII. Talks and interviews, 1937-1984

Computer colloquium, talk in the	15 Nov. 1973	Box Series VII-1
Outline		
Computer seminar, talk	10 Nov. 1958	Box Series VII-1
Outline		
Computers in number theory	18-23 Aug. 1969	Box Series VII-1
List of attendees		
Computing seminar, talk	23 Oct. 1956	Box Series VII-1
Outline		
Continuum mechanics seminar, talk	9 Apr. 1957	Box Series VII-1
Outline		
Davis, talk	1979	Box Series VII-1
Outline		
Davis seminar	30 Jan. 1979	Box Series VII-1
Outlines		
Davis seminar	27 Feb. 1979	Box Series VII-1
Outline		

Series VII. Talks and interviews, 1937-1984

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Denton [TX], talk at

1981

Box Series  
VII-1Outline

---

Denver, talk

1978

Box Series  
VII-1Outline

---

Denver, talk

12 Oct. 1961

Box Series  
VII-1Outline

---

Denver, talk

18 Oct. 1961

Box Series  
VII-1Outline

---

Denver, talk

15 Nov. 1961

Box Series  
VII-1Outline

---

Denver, talk

26 Oct. 1967

Box Series  
VII-1Outline

---

Denver, talk

19 Jan. 1968

Box Series  
VII-1Outline

---

Denver, talk

18 Oct. 1968

Box Series  
VII-1Outline

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## Series VII. Talks and interviews, 1937-1984

Denver, talk	23 Feb. 1969	Box Series VII-1
Outline		
Denver, talk	2 May 1969	Box Series VII-1
Outline		
Denver, talk	29 Nov. 1969	Box Series VII-1
Outline		
Denver, talk in. A.A.A.S.	30 Dec. 1961	Box Series VII-1
Outline		
Denver High School, talk	18 Jan. 1962	Box Series VII-1
Outline		
Denver Medical School, talk	10 Jan. 1968	Box Series VII-1
Outline		
Denver [?] Medical School, talk	1973	Box Series VII-1
Outline		
Denver Seminar, talk	10 Dec. 1969	Box Series VII-1
Outline		

## Series VII. Talks and interviews, 1937-1984

Detroit, lecture	25 Feb.	Box Series VII-1
Outline		
Dijon, seminar	22 May 1980	Box Series VII-1
Outline		
Dijon, talk	23 Mar. 1979	Box Series VII-1
Outline		
Distances	15 Feb. 1977	Box Series VII-1
Outline and transcript for seminar		
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Abstract; Internat'l Congress of Mathematicians, Edinburgh		
Else, John	1979	Box Series VII-2
Transcript of interview for doc. on JRO		
Engineers, talk to	1978	Box Series VII-2
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Transcript of taped interview, "Pioneers of Computing"			
Feigenbaum, Mitchell. "An interview with mathematicians Stan Ulam and Mark Kac"	1982		Box Series VII-2
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Florida, talk	n.d.		Box Series VII-2
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Frontiers of Science, talk	12 May 1976	2 folders	Box Series VII-2
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Future of mathematics, talk on. Colorado Springs, CO	14 Jan. 1964		Box Series VII-2
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Future of nuclear energy in space,	1963	2 folders	Box Series VII-2
Transcripts of panel disc.			

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Gainesville, FL seminar, talk	9 Jan. 1974	Box Series VII-2
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Garrett-Shannon seminar, talk	15 Dec. 1956	Box Series VII-2
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Gauss, lecture on (technical)	n.d.	Box Series VII-2
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General conundrums abt. Nervous system etc.	2 May 1983	Box Series VII-2
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Goddard Space Center, talk	11 Oct. 1968	Box Series VII-2
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Hydro[?] conference, remarks	16 Oct. 1958	Box Series VII-2
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IBM, talk	12 July 1961	Box Series VII-2
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Los Alamos science, past and present	1982	Box Series VII-2
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Roof article conference on nature, human nature, mathematics, and logic and political order	1965	Box Series VII-4
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Travel, talk on. Los Alamos	12 Sept. 1966	Box Series VII-4
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## Series VIII. Unpublished works, 1932-1984

## Series VIII. Unpublished works, 1932-1984

1.5 Linear  
feet 3 boxes

Notes, graphs, data charts, outlines, abstracts, and autograph and typescript texts generated by Ulam during his many years of mathematical research. Writings are arranged alphabetically by title. This series represents the bulk of Ulam's research which was not published in its present form, but retained as a record of his works in progress. The earliest material of the series is Ulam's 1932 master's thesis for the Lwów Polytechnic Institute in Poland. The original manuscript of this work in Polish, entitled "O operacje produktu," was translated into English in 1973 as "On the operation of product." Both versions of the thesis are filed here.

Box 2 consists entirely of notes, miscellaneous research material, and drafts for Ulam's second volume to the 1960 edition of *A Collection of Mathematical Problems*. Because Ulam passed away while this companion piece was in progress, the drafts were never published in the form intended. An index card file from Series VIII holding "problems for Problem Book II" is stored at the end of the collection.

Approximately convex functions	1950	Box Series VIII-1
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Hyers, H. D.

Arithmetic complexity of integers	1971	Box Series VIII-1
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Beyer, W. A.

Stein, M. L.

Brief summary of work of possible relevance to the contract "On applications of modern mathematical methods to applied science"	1952	Box Series VIII-1
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Harvard

Calculations of unsteady flows in two or more dimensions	1954	Box Series VIII-1
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Birkhoff, Garrett

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Cellular automata	1983	Box Series VIII-1
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The ergodic theory for functions (transformations not necessarily one-one)	n.d.	Box Series VIII-1
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Fermi-Ulam papers for Fermi collected works, notes	1965	Box Series VIII-1
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Further notes on conjugations of functions	n.d.	Box Series VIII-1
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Heuristic numerical work in some problems of hydrodynamics	n.d.	Box Series VIII-1
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Hydrodynamical model for theatre wide battles	1954	Box Series VIII-1

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Project ARMOR Gamow, G. Zimmerman, R.		
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Notes on metrics in 2x	n.d.	Box Series VIII-1
Beyer, W. A.		
On a mapping of possible interest in algebra	n.d.	Box Series VIII-1
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On certain binary reaction systems	n.d.	Box Series VIII-1
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[On infinite systems in mechanics and physics]	n.d.	Box Series VIII-1
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On patterns of growth of figures in two dimensions	1960	Box Series VIII-1

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Abstract Schrandt, R. G.		
On representation of compact groups by linear transformations	n.d.	Box Series VIII-1
On some combinatorial problems in patterns of growth	n.d.	Box Series VIII-1
Abstract Holladay, J.		
On some problems in the calculus of variations	n.d.	Box Series VIII-1
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On the apparent difficulties in obtaining outstanding and new scientific personnel for Los Alamos	n.d.	Box Series VIII-1
AMs.		
On the notion of morphological distance and evolutionary trees	28 July 1971	Box Series VIII-1
Beyer, William Smith, Temple Stein, Myron		
On the operation of product	Apr. 1973	Box Series VIII-1
English transl. of 1932 ms. See "O operacji produktu"		
On the reduction of a system of vectors in "n" dimensions to a system of $[n + 1] 2$	n.d.	Box Series VIII-1

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On two fundamental Boolean algebras	n.d.	Box Series VIII-1
AMs Everett, C. J.		
O operacji produktu		Box Series VIII-1
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Folder #3	Apr. 1973	Box Series VIII-1
English transl.		
Opportunities and possibilities in the use of computers for research and education in India	1973	Box Series VIII-1
Pamphlet 6	n.d.	Box Series VIII-1
AMs Pasta, John		
Possibilities of effecting simultaneous or parallel mathematical operations on electronic devices	n.d.	Box Series VIII-1
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Problems in combinatorics	2 Jan. 1952	Box Series VIII-3
Problems in probability and combinatorial analysis	[1951?]	Box Series VIII-3
A proposal to the NSF for support for continuation of "special years for mathematical physics"	1970	Box Series VIII-3
Quadratic transformations	n.d.	Box Series VIII-3
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Quasifixed points-topology of functions	n.d.	Box Series VIII-3
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Reflexions on the brain's attempts to understand itself	1982	Box Series VIII-3

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Report on hydrod[ynamic] schemes and calculations	n.d.	Box Series VIII-3
AMs		
Some exploratory ideas on numerical work in problems of hydrodynamics	n.d.	Box Series VIII-3
Birkhoff, Garrett		
Some remarks on the notion of complexity	n.d.	Box Series VIII-3
Beyer, W. A. Stein, M. L.		
Speculations about the mechanism of recognition and discrimination	1981	Box Series VIII-3
Stability of derivative expressions	n.d.	Box Series VIII-3
Notes Hyers, [?]		
A stochastic model for the distribution of primes	n.d.	Box Series VIII-3
Study of combinatorial problems on computing machines	1955	Box Series VIII-3
A study of density-geometry	29 Aug. 1949	Box Series VIII-3
Notes and AMs		
Study of meteorites' shapes and [attraction?]	n.d.	Box Series VIII-3

## Series VIII. Unpublished works, 1932-1984

Outline		
Study on the rate of acquiring a sequence of favorable mutations by a population under asexual and sexual mating (Adam and Eve)	n.d.	Box Series VIII-3
Notes on a preliminary report		
Subgroupoids-normal subgroupoids-Schreiev	n.d.	Box Series VIII-3
AMs		
Sub Rosa (a trialogue)	[1964?]	Box Series VIII-3
Stage play		
Transformations, iterations and mixing flows	1981	Box Series VIII-3
Abstract		
Transformations and transmutations	1983	Box Series VIII-3
Includes audio tape transcript		
The unexpected in science	1974	Box Series VIII-3
Unknown	1955	Box Series VIII-3
Unknown	n.d.	Box Series VIII-3
Incomplete ms.		

## Series VIII. Unpublished works, 1932-1984

Unknown	n.d.	Box Series VIII-3
Incomplete ms.?		
Unknown	n.d.	Box Series VIII-3
Outline		
Unknown	n.d.	Box Series VIII-3
Unknown	n.d.	Box Series VIII-3
AMs		
Unknown	n.d.	Box Series VIII-3
AMs		
Unknown	n.d.	Box Series VIII-3
AMs		
Unknown	n.d.	Box Series VIII-3
AMs		
Unique sums	16 Jan. 1970	Box Series VIII-3
data		
Various decoding attempts	n.d.	Box Series VIII-3

Series VIII. Unpublished works, 1932-1984

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Visit to Warsaw-impressions	1982	Box Series VIII-3
[von Neumann, John. Biography of]		Box Series VIII-3
Folder #1	1980	Box Series VIII-3
Correspondence Vonneuman, Nicholas A. White, Stephen		
Folder #2	1980	Box Series VIII-3
SMU's outlines and drafts		
Folder #3	1980	Box Series VIII-3
White's draft White, Stephen		
Folder #4	1980	Box Series VIII-3
White's draft White, Stephen		

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## Series IX. Published works, 1944?-1984

## Series IX. Published works, 1944?-1984

4.5 Linear  
feet 9 boxes

Autograph and typescript drafts, notes, outlines and printers' proofs. Relevant correspondence having to do with some items has been kept in this series when appropriate. Some drafts have marginalia and some have been edited by others; these notes appear in the container listing. The earliest item in this series is from 1944[?] on the theory of multiplicative processes. Of note in the series is an autograph outline on the possibility of initiating a thermonuclear reaction in deuterium. Also of interest are the notes on colleagues from *Adventures of a Mathematician*, some of which remained unpublished, drafts of the *Scottish Book*, and John von Neumann's obituary. The most recent item is a draft of *Science, Computers and People* which was edited by Gian-Carlo Rota in 1984.

Adventures of a mathematician		Box Series IX-1
[notes]	1971-1974;n.d.	Box Series IX-1
[notes, personality sketches]	1974; n.d.	Box Series IX-1
[On mathematics, physics and logic]	1973	Box Series IX-1
[On memory and the workings of the brain]	1972-1973	Box Series IX-1
[Childhood and youth, school years, 1909-1928]	[1972?]-1973	Box Series IX-1
[On Polish mathematics and student years - #1]	1968-1971;n.d.	Box Series IX-1
[On Polish mathematics and student years - #2]	1972-1973;n.d.	Box Series IX-1
[Princeton and von Neumann]	[1972?]-1973	Box Series IX-1

## Series IX. Published works, 1944?-1984

[Harvard years, 1937-38]	1972-1973	Box Series IX-1
[Notes on University of WI]	1972	Box Series IX-1
[Notes on Los Alamos, 1944-1945]	1972-1973	Box Series IX-1
[Notes on USC, 1945-1946]	[1972?]-1973	Box Series IX-1
[Notes on Los Alamos, 1946-52]	[1972?]-1973	Box Series IX-1
[Notes on the hydrogen bomb]	1973	Box Series IX-1
[Post-Super, 1952-57]	1972-1973	Box Series IX-1
[Last fifteen years, 1957-72]	1973	Box Series IX-1
Asparagus song		
Index	n.d.	Box Series IX-1
Draft		
[Notes on photographs used]	n.d.	Box Series IX-1
Adventures of a mathematician		Box Series IX-1
Chapters 1-3, [1909-1934]	March 1973	Box Series IX-1

**Series IX. Published works, 1944?-1984**

Chapters 4-6, [1935-1940]	March 1973	Box Series IX-1
Chapters 7-9, [1941-1946]	March 1973	Box Series IX-2
Chapters 10-12, [1946-1957]	March 1973	Box Series IX-2
Chapters 13-14, [1957-1972]	March 1973	Box Series IX-2
Adventures of a mathematician	1975	Box Series IX-2
Draft, with annotation		
Introductory material,	1975	Box Series IX-2
Chapter 1		Box Series IX-2
Chapters 2-3	1975	Box Series IX-2
Chapters 4-5	1975	Box Series IX-2
Chapters 6-7	1975	Box Series IX-2
Chapters 8-9	1975	Box Series IX-2
Chapters 10-12	1975	Box Series IX-2



## Series IX. Published works, 1944?-1984

Chapters 13-15, Biblio.	1975	Box Series IX-2
Adventures of a mathematician		Box Series IX-2
[Preface to 1983 edition]	1982	Box Series IX-2
Applicability of mathematics, The	1969	Box Series IX-2
Biological models [ger?] linear	n.d.	Box Series IX-2
Luehr ed. See oversized		
Branching process-Random walks	1981	Box Series IX-2
Abstract		
Collection of mathematical problems		Box Series IX-3
[notes]	1950-[1958?]	Box Series IX-3
Autograph		
[notes]	n.d.	Box Series IX-3
Birkhoff paper Birkhoff, Garrett		
[notes, fragments]	1952; n.d.	Box Series IX-3

## Series IX. Published works, 1944?-1984

Carter abstract Carter, David S.		
[notes, fragments and addenda]	n.d.	Box Series IX-3
Collection of mathematical problems		Box Series IX-3
Folder #1	1952; n.d.	Box Series IX-3
Marginalia		
Folder #2	1952; n.d.	Box Series IX-3
Marginalia		
Folder #3	1952; n.d.	Box Series IX-3
Marginalia		
Collection of mathematical problems	1954	Box Series IX-3
Clean copy		
Collection of mathematical problems	1954?	Box Series IX-3
Draft, SMU's marginalia, Everett's marg.?		
Collection of mathematical problems		Box Series IX-4
Draft		

## Series IX. Published works, 1944?-1984

Chapters 1-2	March 1959	Box Series IX-4
Annotations,		
Chapters 3-6	March 1959	Box Series IX-4
Printers'		
Chapters 7-8, Biblio.	March 1959	Box Series IX-4
Markings		
Collection of mathematical problems	June 1959	Box Series IX-4
Proofs		
Collection of mathematical problems		Box Series IX-4
Draft		
Preface, Chapters 1-2	n.d.	Box Series IX-4
Annotations		
Chapters 3-9	n.d.	Box Series IX-4
Carbons		
Collection of mathematical problems		Box Series IX-4
Draft		

## Series IX. Published works, 1944?-1984

Preface, notes, Chapters 1-2	n.d.	Box Series IX-4
SMU and Everett		
Chapters 3-6	n.d.	Box Series IX-4
Annotations		
Chapters 7-8	n.d.	Box Series IX-4
Collection of mathematical problems		Box Series IX-4
Pencil draft		
Preface, Chapters 1-4	n.d.	Box Series IX-4
Everett's?		
Chapters 5-9	n.d.	Box Series IX-4
ADf		
Combinatorial analysis in infinite sets and some physical theories	1964	Box Series IX-4
Reprint		
Computations on certain binary branching processes	1968	Box Series IX-4
Computers	1964	Box Series IX-4
(Scientific American)		

## Series IX. Published works, 1944?-1984

Electronic computers and scientific research	1962	Box Series IX-5
Encyclopedia Britannica "Roof Article" Project	1963	Box Series IX-5
Description		
Encyclopedia Britannica "Roof Article" Project: Mathematics and Logic		Box Series IX-5
[notes, outlines]	1965; n.d.	Box Series IX-5
[misc. reviews]	1968	Box Series IX-5
[note on abridged edition]	1969	Box Series IX-5
[Chapt. I: Part I: p.1-24]	n.d.	Box Series IX-5
Draft		
[Chapt. I: Part I: p.25-61]	n.d.	Box Series IX-5
Draft		
[Chapt. I: Part I: p.62-85]	n.d.	Box Series IX-5
Draft		
[Chapt. I: Part II: p.86-131]	n.d.	Box Series IX-5
Draft		

## Series IX. Published works, 1944?-1984

[Chapt. I: Examples 1-5]	n.d.	Box Series IX-5
Draft		
[Chapt. I: Examples 8-11]	n.d.	Box Series IX-5
Draft		
[Chapt. I: Examples 12-15]	n.d.	Box Series IX-5
Draft		
[Chapt. I: "Proving the obvious and counter-examples to the 'obvious'"]	n.d.	Box Series IX-5
Draft		
[Chapt. I: "On the role of mathematics in biologicalsciences"]	n.d.	Box Series IX-5
Draft		
[On formal systems and set theory]	n.d.	Box Series IX-5
Typed draft		
[On formal systems and set theory]	n.d.	Box Series IX-5
Photocopy of TD		
Chapter II: themes, trends and syntheses	n.d.	Box Series IX-5
Draft, carbon		

## Series IX. Published works, 1944?-1984

Chapter II: themes, trends and syntheses	n.d.	Box Series IX-5
Draft, photocopy of TMs, annotations		
[On combinatorial topology]	n.d.	Box Series IX-5
[On] computing machines	n.d.	Box Series IX-5
Draft		
[On] function spaces	n.d.	Box Series IX-5
Draft		
Encyclopedia Britannica "Roof Article"		Box Series
Project: Supplementary material		IX-5
<b>Aron, Raymond</b>	1965	Box Series
Introduction to the Social Order		IX-5
<b>Birkhoff, Garrett, 1911-1966</b>	1965	Box Series
Some thoughts on the Mathematical Order		IX-5
<b>Black, Max</b>	1965	Box Series
The Linguistic Order		IX-5
<b>Kac, Mark</b>	1964	Box Series
Mathematics: its trends and tensions		IX-5
<b>Rogers, H., Jr.</b>	n.d.	Box Series
Some comments on the possible roof article on mathematics		IX-5

## Series IX. Published works, 1944?-1984

<b>Wang, Hao</b> Some half-baked remarks on the mathematical order	1965	Box Series IX-5
<b>Woizsacker, C. F. v.</b> [Outline of topics for roof article on nature]	1963	Box Series IX-5
Entropy of interacting populations	1962	Box Series IX-5
Everett, C. J.		
Experiments in chess	[1957]	Box Series IX-5
Kister, J. Stein, P. Walden, W. Wells, M.		
Experiments in chess on electronic computing machines	[1957]	Box Series IX-5
Stein, P.		
Foreword to "My world line, an autobiography" by G. Gamow	1970?	Box Series IX-6
Future applications of mathematics in the natural sciences	1971-1981	Box Series IX-6
Gamow and mathematics	1969-1972	Box Series IX-6
Draft, marg.		
Heuristic numerical work in some problems of hydrodynamics	n.d.	Box Series IX-6



## Series IX. Published works, 1944?-1984

Pasta, J.		
Heuristic studies in problems of mathematical physics on high speed computing machines	1953	Box Series IX-6
Pasta, J.		
Homage to Fermi	1955	Box Series IX-6
Obituary, clipping		
Ideas of space and space time	1972-1973	Box Series IX-6
Outline		
Infinite models in physics	[1957?]	Box Series IX-6
Infinites - Introduction	n.d.	Box Series IX-6
Draft		
Infinites	1972	Box Series IX-6
23 Sept. draft		
Infinites	1972	Box Series IX-6
16 Oct. draft		
Infinites	1973	Box Series IX-6
24 Jan. draft		

## Series IX. Published works, 1944?-1984

Infinites	1973	Box Series IX-6
28 Feb. draft		
Integer-valued metric for patterns	1978-[1979?]	Box Series IX-6
Draft Bednarek, A. R.		
Isometries and approximate isometries of the space of continuous functions	1950	Box Series IX-6
Hyers, D. H.		
John von Neumann, 1903-1957	n.d.	Box Series IX-6
Notes, obituary		
John von Neumann, 1903-1957	1957	Box Series IX-6
Draft, obit., annotations		
John von Neumann, 1903-1957		Box Series IX-6
Obit. draft		
Folder #1	1957?	Box Series IX-6
Annotations		
Folder #2	1957?	Box Series IX-6
Reprints list		

## Series IX. Published works, 1944?-1984

Kazimierz Kuratowski - A Reminiscence	1983	Box Series IX-6
Engelking, Ryszard		
Late John von Neumann on computers and the brain	1958; n.d.	Box Series IX-6
Annotations Newman, James R.		
Lectures in non-linear algebraic transformations	1966	Box Series IX-6
Transcript Zabusky, Norman		
Machine creatrice, La	1966	Box Series IX-7
In French		
Marian Smoluchowski and the theory of probabilities in physics	1957; n.d.	Box Series IX-7
Annotations		
Mathematical physicist looks at computing	1979	Box Series IX-7
Notes		
Mathematical physicist looks at computing	1979	Box Series IX-7
Draft		
Mathematics and Logic		Box Series IX-7

## Series IX. Published works, 1944?-1984

See Encyclopedia Britannica Roof Article Project		
Measure Theory	1966	Box Series IX-7
Filmed lecture script		
Minimal decompositions of two graphs into pairwise isomorphic subgraphs	1979	Box Series IX-7
Chung, F. R. K. Erdős, P. Graham, R. L. Yao, F. F.		
Molecular sequence metric and evolutionary trees	1972	Box Series IX-7
22 May draft Beyer, William A. Smith, Temple F. Stein, Myron L.		
Molecular sequence metric and evolutionary trees	1972	Box Series IX-7
17 Aug. draft Beyer, William A. Smith, Temple F. Stein, Myron L.		
Monte Carlo Method, Introduction to papers on the	1983	Box Series IX-7
Notes on Los Alamos Report LA-1158 (E. Fermi & S. Ulam) on thermonuclear reactions	1965	Box Series IX-7

## Series IX. Published works, 1944?-1984

Numerical analysis	1968	Box Series IX-7
review		
Observation on the distribution of primes	n.d.	Box Series IX-7
Stein, M. L.		
On certain sequences of integers defined by sieves	1951	Box Series IX-7
Gardiner, V. L.		
Lazarus, R.		
Metropolis, N.		
Stein, P. R.		
On some mathematical problems connected with patterns of growth of figures	1962	Box Series IX-7
Annotations		
On some new possibilities in the organization and use of computing machines	[1957?]	Box Series IX-7
Annotations		
On some new possibilities in the organization and use of computing machines	May 1957	Box Series IX-7
On some possibilities of generalizing the Lorentz group in the special relativity theory	1966	Box Series IX-7
Everett's AMs		
Everett, C. J.		
On some statistical properties of dynamical systems	1960	Box Series IX-7

## Series IX. Published works, 1944?-1984

On the Monte Carlo method	1949	Box Series IX-7
SMU autograph		
On the notion of analogy and complexity in some constructive mathematical schemata	1981	Box Series IX-7
Orion Project, The	1965	Box Series IX-7
Physics for mathematicians	1976-1977	Box Series IX-7
Transcript of talk, notes		
Possibility of initiating a thermonuclear reaction...	1946	Box Series IX-7
Draft Tuck, J. L.		
Preliminary experiments for the problem of jet ignition of deuterium	1946	Box Series IX-7
See Possibility of initiating a thermonuclear reaction		
Preliminary jet experiments of interest for thermonuclear study	1946	Box Series IX-7
Draft See Possibility of initiating a thermonuclear reaction		
Projective algebra I	n.d.	Box Series IX-7
Everett, C. J.		
Random processes and transformations	[1950-1952?]	Box Series IX-7

## Series IX. Published works, 1944?-1984

Reminiscences (original ms. of Wspomnienia, published in Poland)	1969	Box Series IX-7
Annotations		
Stark, M.		Box Series IX-7
Science, computers and people: Rota's edited copy		Box Series IX-8
Rota's annotations throughout		
#1 [Chapters 1-7]	1984	Box Series IX-8
#2 [Chapters 8-12]	1984	Box Series IX-8
#3 [Chapters 13-16]	1984	Box Series IX-8
#4 [Chapters 17-22]	1984	Box Series IX-8
Science, computers and people		Box Series IX-8
Intro., table of contents	1984; n.d.	Box Series IX-8
Chapters 1-3	n.d.	Box Series IX-8
Chapters 4-6	n.d.	Box Series IX-8
Chapters 7-9	n.d.	Box Series IX-8

## Series IX. Published works, 1944?-1984

Chapters 10-12	n.d.	Box Series IX-8
Chapters 13-15	n.d.	Box Series IX-8
Chapters 16-19	n.d.	Box Series IX-8
Chapters 20-23	n.d.	Box Series IX-8
Bibliography	1982-1984	Box Series IX-8
notes		
Scottish Book: a collection of problems	[1957]	Box Series IX-9
Draft, annotations		
Scottish Book: a collection of problems	1957	Box Series IX-9
#1		
Scottish Book: a collection of problems	1957	Box Series IX-9
#2		
Scottish Book: a collection of problems	n.d.	Box Series IX-9
In Polish [Problems from 1935-1941]		
Scottish Book: a collection of problems	n.d.	Box Series IX-9



## Series IX. Published works, 1944?-1984

In Polish

[Problems from 1946-1955]

Some combinatorial problems studied experimentally on computing machines	1971	Box Series IX-9
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cf. Ser VIII Study of combinatorial problems...[1955]

Some ideas and prospects in biomathematics	1971-1972	Box Series IX-9
--------------------------------------------	-----------	--------------------

Handley, M. S. Jacqueline

Some properties of certain non-linear transformations	1962	Box Series IX-9
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Abstract

Some remarks on relational composition in computational theory and practice	1977	Box Series IX-9
--------------------------------------------------------------------------------	------	--------------------

Bednarek, A. R.

Speculations on some possible mathematical frameworks for the foundations of certain physical theories	1984	Box Series IX-9
--------------------------------------------------------------------------------------------------------------	------	--------------------

Stefan Banach	1946	Box Series IX-9
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obituary

Studies of non-linear problems	n.d.	Box Series IX-9
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Annotations

Fermi, E.

Pasta, J.

Series IX. Published works, 1944?-1984

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[Test ban treaty editorial] in The  
Washington Post

17 Aug 1963

Box Series  
IX-9Annotations

---

Theory of multiplicative processes

[1944?]

Box Series  
IX-9Hawkins, D.

---

Visual display of some properties of the  
distribution of primes

1964

Box Series  
IX-9

Stein, M. L.

Wells, M. B.

---

von Neumann: the interaction of  
mathematics and computing

1979-[1980?]

Box Series  
IX-9Annotations

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**Series X. Class notes, 1936-1981****Series X. Class notes, 1936-1981****1.0 Linear  
feet 2 boxes**

Notes prepared and given by Ulam as a university professor at Harvard, the University of Wisconsin, and elsewhere. Class notes take the form of lecture notebooks and unbound loose notes, course and seminar outlines, problem sets, and exams. The series is arranged chronologically, with the physical description (i.e. "notebook") and subject (if known) of the materials as folder headings. Most class notebooks were created in the early part of Ulam's teaching career (1936-1946). This series is of interest mainly as a record of the areas in mathematics Ulam taught as a young professor.

Class notebook-Measures and Probabilities	1936	Box Series X-1
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From Harvard; some in Polish

Class notebook	1936	Box Series X-1
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From Harvard; some in Polish

Class notebook	1936	Box Series X-1
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From Harvard; some in Polish

Class notebook-Groupoids	1936-1937	Box Series X-1
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From Harvard; some in Polish

Class notebook-Products: Combinatorial Set Theory	1936-1937	Box Series X-1
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From Harvard; some in Polish

Class notebook	1937-1938	Box Series X-1
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From Harvard

Series X. Class notes, 1936-1981

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Class notebook	1937-1938	Box Series X-1
From Harvard and Brown University?		
Class notes-Mathematics A Exam	19 Nov. 1939	Box Series X-1
From Harvard		
Class notebook	1940	Box Series X-1
From Harvard		
Class notes-Mathematics 4 Exam	1940	Box Series X-1
From Harvard		
Class notes (unbound)-Topological groups	1942	Box Series X-1
From University of Wisconsin		
Class notebook-Varia	1946	Box Series X-1
From USC?		
Class notes-Mathematics 109 Exams	1951	Box Series X-1
From Harvard		
Class notes	6 Oct.1975	Box Series X-1
Seminar	22 Jan. 1976	Box Series X-2

## Series X. Class notes, 1936-1981

## Outline

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Seminar-Part II:Problems of Combinatorics 5 Feb. 1976  
in the Networks on the Euclidean Space

Box Series  
X-2

## Outline

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Seminar-Combinatorics of the Lattice of 12 Feb. 1976  
Points with Integer Coefficients in the  
Euclidean Space

Box Series  
X-2

## Poblems

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Seminar 26 Feb. 1976

Box Series  
X-2

## Outline

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Seminar in Biology 27 Feb. 1976

Box Series  
X-2

## Outline

---

Seminar 20 Apr. 1976

Box Series  
X-2

## Outline

---

Class notes-Distances 23 Apr. 1976

Box Series  
X-2

## Outline

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Seminar 6 May 1976

Box Series  
X-2

## Outline and partial text of ecture

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Seminar 13 May 1976

Box Series  
X-2

## Series X. Class notes, 1936-1981

Poblems		
Class notes-Speculations about the Mechanisms of Visual Recognition	29 Aug. 1981	Box Series X-2
Outlines for talk in T-10		
Class notes-Applied Mathematics for Physiologists	n.d	Box Series X-2
Course outline		
Class notes-Exam in 272	n.d.	Box Series X-2
Class notebook	n.d.	Box Series X-2
Class notebook	n.d.	Box Series X-2
Class notebook	n.d.	Box Series X-2
Class notebook	n.d.	Box Series X-2
Class notes (unbound)	n.d.	Box Series X-2
Misc.		

## Series XI. Student notes and papers, ca.1938-1976

Series XI. Student notes and papers,  
ca.1938-19760.5 Linear  
feet 1 box

Notebooks and papers generated by students in Ulam's university classes. Files are arranged alphabetically by student's name. Most students of this series appear to have attended Ulam's classes in mathematics at the University of Wisconsin.

<b>Calvin, Burton H.</b>	19 Jan. 1942	Box Series
Paper "The Notion of Equivalence for Sequences of Sets and of Functions"		XI-1

From University of Wisconsin

<b>Calvin, Burton H.</b>	1942	Box Series
Lecture notes for Topological Groups Seminar		XI-1

From University of Wisconsin

<b>Calvin, Burton H. and Edwin L. Crowe</b>	31 Jan. 1941	Box Series
Paper "The Calculus of Variations in the Large"		XI-1

From University of Wisconsin

<b>Erickson, Wilhelm S.</b>	n.d.	Box Series
Paper "Borel and Analytic Sets"		XI-1

From University of Wisconsin

<b>Gardner, Robert</b>	n.d.	Box Series
Paper "The Jordan Theorem and its Generalization," Math 218, Topology		XI-1

From University of Wisconsin

<b>Kelly, Paul J.</b>	Jan. 1942	Box Series
Paper "Some Properties of Convex Metric Spaces," Math 224		XI-1

## Series XI. Student notes and papers, ca.1938-1976

From University of Wisconsin		
<b>Lorner, A. P.</b> Paper "E-Transforamtions and a New Coefficient"	n.d.	Box Series XI-1
From University of Wisconsin		
<b>Oberbeck, T.</b> Paper "The Property of Baire," Math 218	31 Jan. 1941	Box Series XI-1
From University of Wisconsin		
<b>Paige, L. J.</b> Paper "Fixed Point Theorems"	n.d.	Box Series XI-1
From University of Wisconsin		
<b>R[owen?], Walter B.</b> Lecture notes for Math 42, (Probability) #1-7  Photocopy	193[8?]	Box Series XI-1
From University of Wisconsin		
<b>Shaw, Robert Harrison</b> Paper "Linkages, Knots, and Queues" for Topology, Math 218	1 Feb. 1941	Box Series XI-1
From University of Wisconsin		
<b>Strait, Peggy</b> Lecture notes from M762, Set Theory	1957	Box Series XI-1
From MIT		
<b>Unknown</b> "Bocher's Algebra"  Exercises	n.d.	Box Series XI-1



Series XI. Student notes and papers, ca.1938-1976

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<b>Unknown</b>	n.d.	Box Series
Lecture notes for Math 4, Mechanics Course		XI-1

From Harvard?

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<b>Unknown</b>	1951	Box Series
Lecture notes for Math 290		XI-1

From Harvard

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<b>Unknown</b>	n.d.	Box Series
Paper "Borel Sets"		XI-1

From University of Wisconsin

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<b>Unknown</b>	5 Feb. 1976	Box Series
"Ulam's Lecture"		XI-1

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<b>Wagner, R. D.</b>	23 Jan. 1942	Box Series
Paper "Direct Product Groups," Math 224		XI-1

From University of Wisconsin

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**Series XII. Miscellaneous, memorabilia, and newsp...****Series XII. Miscellaneous, memorabilia, and  
newspapers, 1916-1983****1.0 Linear  
feet 2 boxes**

A variety of materials collected by Ulam which pertain to a wide range of his lifelong interests. This very diverse series is arranged alphabetically by folder heading and contains such personal memorabilia as Ulam's collection of business and calling cards, his Polish passport, and his petition for naturalization in the U.S. Many files reflect the major concerns of Ulam's career, including those relating to LASL, the atomic bomb, the H-bomb controversy (between Teller and Oppenheimer), and his visiting lectures. Newspapers documenting important events in Ulam's life are included in this series. The file (labeled "newspapers") is arranged chronologically and contains substantial contemporary information of interest to Ulam. Other newspapers are housed in other "memorabilia" files, which Ulam arranged by topic during his lifetime. For example, the August 6, 1945 issue of the Santa Fe New Mexican reporting the dropping of the atomic bomb on Hiroshima is filed with miscellaneous memorabilia dating 1945-1948. Life at Los Alamos during and after World War II is documented by Series XII. Community newsletters, family tour guide booklets, an early map of Project "Y," and war ration booklets used on the site are some of the interesting materials from the series which reflect everyday life at Los Alamos. The earliest item from the entire Ulam collection is found within this series; a 1916 street scene of Ulam's hometown, Lwów, Poland, has been preserved within his collection of postcards.

Adventures of a Mathematician

[1976?]

Box Series  
XII-1

Humorous review

Air Force, Secretary of. Invitation to dinner n.d.

Box Series  
XII-1Atomic Test Effects in the Nevada Test Site Jan. 1955  
RegionBox Series  
XII-1

AEC booklet

Atomic Tests in Nevada

March 1957

Box Series  
XII-1

AEC booklet

## Series XII. Miscellaneous, memorabilia, and newsp...

Automobile permit	1952	Box Series XII-1
French		
Business and calling cards #1-5	n.d.	Box Series XII-1
Caricature drawing	1978	Box Series XII-1
SMU		
Certificates	1957-1971	Box Series XII-1
Learned societies and scientific events		
Conference on New Directions in Physics and Chemistry. Los 40th Anniversary	14-15 Apr. 1983	Box Series XII-1
Photo, banquet speech Bethe, Hans Weisskopf, Victor F. See also oversize		
Einstein, Albert	n.d.	Box Series XII-1
Bio. and photo See Series XII: Fermi, Enrico		
Engravings	n.d.	Box Series XII-1
Copernicus Descartes Galileo Kronecker		

## Series XII. Miscellaneous, memorabilia, and newsp...

La Place Newton (2)		
Fermi, Enrico	n.d.	Box Series XII-1
Bio. and photo Einstein, Albert		
First Los Alamos Workshop on Mathematics in the Natural Sciences	12-18 June 1974	Box Series XII-1
Program booklet		
Gulliver's Travels, extract from	n.d.	Box Series XII-1
"loyalty determination"		
Handbook of Rules and Regulations for Salaried Employees	1 July 1946	Box Series XII-1
LASL		
Hebrew memorabilia	n.d.	Box Series XII-1
Johnson-Humphrey Campaign	1964	Box Series XII-1
Kirtland Air Force Base, New Mexico	1968	Box Series XII-1
Welcome guide		
Lecture announcements #1	1949-1974	Box Series XII-1
See also oversize		

## Series XII. Miscellaneous, memorabilia, and newsp...

Lecture announcements #2	1976-1983; n.d.	Box Series XII-1
See also oversize		
Letters in Mathematical Physics	[1975?]	Box Series XII-1
Poster calling for papers and subscriptions		
Los Alamos Astronomical Society	n.d.	Box Series XII-1
By-laws		
Los Alamos Chess Club Bulletin	25 June 1953	Box Series XII-1
Los Alamos Family Days	16-17 July 1960	Box Series XII-1
Tour guide Booklet		
Los Alamos Family Days	17-18 July 1965	Box Series XII-1
Tour guide Booklet		
Los Alamos Newsletter, no. 17	13 Feb. 1946	Box Series XII-1
<i>Los Alamos Community News</i> , Vol. 2, no. 12	16 June 1960	Box Series XII-1
<i>LASL News</i> , Vol. 3, no. 11	1 June 1961	Box Series XII-1

## Series XII. Miscellaneous, memorabilia, and newsp...

<i>LASL News</i> , Vol. 4, no. 20	30 Aug. 1962	Box Series XII-1
<i>LASL News</i> , Vol. 4, no. 27	6 Dec. 1962	Box Series XII-1
J.F. Kennedy's visit		
<i>LASL News</i> , Vol. 4, no. 28	13 Dec. 1962	Box Series XII-1
J.F. Kennedy's visit		
<i>LASL News</i> , Vol. 5, no. 1	1 Jan. 1963	Box Series XII-1
1st 20 yrs. At LASL		
<i>LASL News</i> , Vol. 5, no. 14	28 June 1963	Box Series XII-1
LASL of the University of CA	1954	Box Series XII-1
Booklet		
MIT. The Faculty and Officers of Administration	1957	Box Series XII-2
Directory		
MIT. New Members of the Faculty	21 Nov. 1956	Box Series XII-2
Directory		
Mathematical Physics, Doctoral Program. University of Colorado	1969	Box Series XII-2
Description of dept. with SMU		

## Series XII. Miscellaneous, memorabilia, and newsp...

Medicare	n.d.	Box Series XII-2
Humorous story		
Membership and identification cards	193[?]-1981;n.d.	Box Series XII-2
Miscellaneous memorabilia	1945-1958; n.d.	Box Series XII-2
LASL, atomic bomb, postwar See also oversize		
Miscellaneous memorabilia	1954-1976; n.d.	Box Series XII-2
H-bomb controversy See also oversize		
Miscellaneous memorabilia	n.d.	Box Series XII-2
Miscellaneous publicity	1956-1981; n.d.	Box Series XII-2
Newspaper, magazine clips		
Moon, map of	1963	Box Series XII-2
Newspaper clippings, miscellaneous	1943-1982; n.d.	Box Series XII-2
Newspapers	1945-1979	Box Series XII-2
See oversize Series XII:		

## Series XII. Miscellaneous, memorabilia, and newsp...

<i>The New York Times</i>	7 Aug. 1945	Box Series XII-2
Atomic bomb		
<i>New York World-Telegram</i>	7 Aug. 1945	Box Series XII-2
Atomic bomb		
<i>New York Journal American</i>	8 Aug. 1945	Box Series XII-2
Russia declares war on Japan		
<i>The New York Times</i>	8 Aug. 1945	Box Series XII-2
Atomic bomb		
<i>Los Alamos Times</i>	12 Apr. 1946	Box Series XII-2
<i>Los Alamos Times</i>	19 Apr. 1946	Box Series XII-2
<i>Los Alamos Times</i>	11 Oct. 1946	Box Series XII-2
<i>The New Mexican</i>	6 Jan. 1955	Box Series XII-2
Fermi, Enrico		
<i>Les Échos</i>	27-31 July 1959	Box Series XII-2
In French, LASL		



## Series XII. Miscellaneous, memorabilia, and newsp...

<i>The New York Times</i>	30 Oct. 1960	Box Series XII-2
Presidential campaign		
<i>The New York Times</i>	15 Aug. 1963	Box Series XII-2
Edward Teller and test ban treaty		
<i>The New Mexican</i>	18 Dec. 1963	Box Series XII-2
Project ROVER		
<i>Siracusa Nova</i>	2 [?] 1964	Box Series XII-2
In Italian		
<i>Albuquerque Journal</i>	7 June 1969	Box Series XII-2
Univ. of New Mexico honorary degree		
<i>The New York Times</i>	17 July 1969	Box Series XII-2
Moon landing		
<i>The New York Times</i>	21 July 1969	Box Series XII-2
Moon landing		
<i>The Daily Telegraph</i>	25 Aug. 1969	Box Series XII-2
Pergamon Press		

## Series XII. Miscellaneous, memorabilia, and newsp...

<i>Rochester Democrat &amp; Chronicle</i>	19 July 1970	Box Series XII-2
Trinity		
<i>International Herald Tribune</i>	1 June 1976	Box Series XII-2
Nuclear reactors		
<i>Colorado Daily</i>	18 Sept. 1979	Box Series XII-2
H-bomb		
Nuclear propulsion publicity	1958-1962;n.d.	Box Series XII-2
Passport	1937	Box Series XII-2
Polish		
Petition for naturalization	Sept. 1942	Box Series XII-2
Polish American Congress. Heritage Award Dinner	31 Oct. 1971	Box Series XII-2
Program		
Polish American Congress. Heritage Award Dinner	23 Nov. 1975	Box Series XII-2
Program		
Polish memorabilia	1948-1985;n.d.	Box Series XII-2
In Polish		

## Series XII. Miscellaneous, memorabilia, and newsp...

Polish newspapers	1938-1980	Box Series XII-2
In Polish		
See oversize Series XII:		
<i>Chwila</i>	1938	Box Series XII-2
<i>Nowy Swiat (Polish Morning World)</i>	5 Apr. 1959	Box Series XII-2
<i>Tygodnik Powszechny</i>	18 Feb. 1973	Box Series XII-2
<i>Wiadomosci</i>	1976-1980	Box Series XII-2
Polish travel papers	1934;1939	Box Series XII-2
In Polish		
Political stickers	n.d.	Box Series XII-2
Postcards	1916-1972;n.d.	Box Series XII-2
Postcards #1-2	n.d.	Box Series XII-2
Blank		
Presidential Inauguration. Invitation to	1961	Box Series XII-2
Kennedy and Johnson		

## Series XII. Miscellaneous, memorabilia, and newsp...

Profile drawings	n.d.	Box Series XII-2
FAU		
Project "Y", plot plan for	15 Aug. 1943	Box Series XII-2
Early LASL map (Ulam home-T175A) See oversize Series XII		
Puzzle	n.d.	Box Series XII-2
Scuola Normale Superiore, Pisa	1966	Box Series XII-2
booklet		
Security handbook	n.d.	Box Series XII-2
LASL		
Stamps	1956-1973;n.d.	Box Series XII-2
Misc.		
Tourist passes	1950-1952; n.d.	Box Series XII-2
Ulam, Anna	1966	Box Series XII-2
Mother's grave		
United States Air Force Systems Command	1967	Box Series XII-2

**Series XII. Miscellaneous, memorabilia, and newsp...**

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**Booklet**

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University Bulletin, Vol. 14, No.35	9 May 1966	Box Series XII-2
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**University of California**

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von Neumann, John	1957	Box Series XII-2
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**Misc. clippings**

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War ration book	[1945?]	Box Series XII-2
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War ration cards	1945	Box Series XII-2
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## Series XIII. Photographs and film, 1930-1984

Series XIII. Photographs and film,  
1930-19840.5 Linear  
feet 1 box, 1  
film

Photographs and negatives, a scrapbook, and three films. The photographs of Ulam, family members, colleagues, places, and events are arranged alphabetically by subject (by last name if the subjects are people) and within each file chronologically. Most of these items are in black and white, and are evenly divided in sizes from 3x5" to 8x10", with a few very small (1x1") or larger (10x12") items. The earliest photograph is of the Lwów Mathematical Conference held in 1930; the latest is of Ulam's 75th birthday party in 1984. A number of scientists are depicted in this series, including Banach, Bethe, Borsuk, Erdős, Fermi, Gamow, Kac, von Karman, and von Neumann. Most of the photographs of Ulam are portraits, some formal, other informal. There is one picture of a very young Ulam (1932) in what appears to be swimming attire. The photographs in the scrapbook are arranged as received, and are in neither chronological nor alphabetical order. The dates covered range from a 1947 photograph of a collage involving a portrait of Ulam created for George Gamow (photographed by Jim Lilienthal) to a number of photographs from 1964 which depict the Dahlgren lecture, the Weizmann dinner, and a *Parade Magazine* article. The scrapbook includes several interesting images, including an aerial shot of Los Alamos, "The Lodge" at Los Alamos, Laura [Fermi?], von Karman and Bradbury, and Claire and Françoise Ulam.

There are three 16mm motion picture films, the first of which is titled "Measure and set theory," with a running time of fifty minutes. In this lecture, filmed in conjunction with the Mathematical Association of America in 1966, Ulam outlines the basic principles of measure and set theory including additive or aggregate measures. The other films are "32 stars with  $r=0.4$ " (4-inch reel, dated May 25, 1967, and an unidentified film (3-inch reel) which may be a continuation of the "32 stars" film. "Measure and set theory" is stored at the end of the collection.

Banach, Stefan	1949-1978	Box Series XIII-1
Baudouin (King of the Belgians)	n.d.	Box Series XIII-1

Los Alamos visit  
Bradbury, N[orris] E.  
Conger, Clement E.

## Series XIII. Photographs and film, 1930-1984

Hertford, Kenner F.

Wilson, Paul E.

Bethe, Hans	1982	Box Series XIII-1
See also: Ser.XII. Los Alamos. Conference on New Directions in Physics and Industry		
Biology conference in Colorado	197?	Box Series XIII-1
Birthday party, S. Ulam's 75th	1984	Box Series XIII-1
Matted		
Poster, Eliot		
Thon, Dawn		
Thon, [J.] George		
Ulam, Alexander		
Ulam, Claire		
Ulam, Françoise		
Ulam, Stanislaw		
Weiner, Ste[ve]		
Bomb test	n.d.	Box Series XIII-1
time lapse		
Borsuk, Karol	n.d.	Box Series XIII-1
Ulam, Stanislaw		
Borsuk's grandchildren		
Cambridge [University, England], snapshots of	n.d.	Box Series XIII-1

## Series XIII. Photographs and film, 1930-1984

Center for Nonlinear Studies	1981	Box Series XIII-1
Dieudonne, J. A.	n.d.	Box Series XIII-1
Ulam, Stanislaw		
ENIAC	n.d.	Box Series XIII-1
Erdős, Paul	n.d.	Box Series XIII-1
Ulam, Stanislaw		
Fermi, Enrico	n.d.	Box Series XIII-1
Films See oversize, and end of coll.		
Gamow, George	n.d.	Box Series XIII-1
Ulam, Stanislaw		
Gordon Research Conference	1978	Box Series XIII-1
Photo i.d. list		
Hoerlin, [Hermann]	1964	Box Series XIII-1
Ulam, Stanislaw		
Ingarden, Roman	1960	Box Series XIII-1



## Series XIII. Photographs and film, 1930-1984

Fryling, Jan		
International Research Conference on the History of Computing	1976	Box Series XIII-1
Photo i.d. list See Ser.I: Metropolis, Nicholas #1, letter 22.XI.1976		
Kac, Mark	1982; n.d.	Box Series XIII-1
Feigenbaum, M. Ulam, Stanislaw		
Kennedy (John F.) visit to Los Alamos	1962	Box Series XIII-1
Bradbury, Norris E. Ulam, Stanislaw		
[Lawrence?, E. O.]	n.d.	Box Series XIII-1
Los Alamos	n.d.	Box Series XIII-1
Aerial views, housing See also: Ser.XII. Los Alamos. Conference on New Directions in Physics and Industry		
Los Alamos Workshop on Mathematics in the Natural Sciences, Second	1976	Box Series XIII-1
Photo i.d. list		
Math[ematical] Soc[iety] Movie Lecture	April 1976	Box Series XIII-1
Ulam, Stanislaw		

## Series XIII. Photographs and film, 1930-1984

Menkes, Zygmund. Sketch of S. Ulam	1938	Box Series XIII-1
Photo of sketch		
Menkes, Zygmund [Mrs.]	n.d.	Box Series XIII-1
Miscellaneous		Box Series XIII-1
Folder #1	n.d.	Box Series XIII-1
Sized under 5X10		
Folder #2	n.d.	Box Series XIII-1
Sized 5X10 & over		
Folder #3	n.d.	Box Series XIII-1
large, matted		
Morrison, Philip	197?	Box Series XIII-1
Ulam, Stanislaw		
Negatives	n.d.	Box Series XIII-1
S. Ulam portraits		
[Notes, Photograph of]	n.d.	Box Series XIII-1

## Series XIII. Photographs and film, 1930-1984

Polish Mathematics students convention, Lwow	1930	Box Series XIII-1
Partial photo i.d. list Zjazd Kol Matematyczno-Fizycznych		
Scrapbook		Box Series XIII-1
Miscellaneous portraits, etc. See oversize		
Tennis game at Los Alamos	1958	Box Series XIII-1
(left to right) Tuck, James; Ulam, Stanislaw; Longmire, Conrad; Dodder, Donald		
Trinity (Alamogordo) atomic bomb test	16 July 1945	Box Series XIII-1
Ulam, Claire	1945-1958; n.d.	Box Series XIII-1
MANIAC Ulam, Stanislaw [Grusin?], Rebecca		
Clair Ulam, at Los Alamos Scientific Laboratory open house, 1955.	1955	1.0 Photograph(s)
Clair Ulam, at Los Alamos Scientific Laboratory open house, 1955. , 1955 <a href="http://diglib.amphilsoc.org/fedora/repository/graphics:3076">[http://diglib.amphilsoc.org/fedora/repository/graphics:3076]</a>		
Stanislaw and Clair Ulam at Los Alamos Scientific Laboratory open house, 1955.	1955	1.0 Photograph(s)

**Other Descriptive Information**

Handwritten note on back of photograph: "Showing the maniac controls to daughter Clair, open house at lab, 1955."

## Series XIII. Photographs and film, 1930-1984

Stanislaw and Clair Ulam at Los Alamos Scientific Laboratory open house, 1955. , 1955

[\[http://diglib.amphilsoc.org/fedora/repository/graphics:3080\]](http://diglib.amphilsoc.org/fedora/repository/graphics:3080)

Ulam, Françoise	1942-1964; n.d.	Box Series XIII-1
Ulam, Stanislaw [von Neumann?, Klari]		
Ulam, Jozef	1939	Box Series XIII-1
Gdynia goodbye Ulam, Adam Ulam, Stanislaw Ulam, Szymon		
Ulam, Stanislaw		Box Series XIII-1
Folder #1	1932-1962	Box Series XIII-1
See Ser.II Unknown #1 (1934)		
Folder #2	1964-1969	Box Series XIII-1
Portraits		
Folder #3	1973-1983	Box Series XIII-1
Rockefeller [Inst.] photo		
Folder #4	n.d.	Box Series XIII-1
See oversize		

Series XIII. Photographs and film, 1930-1984

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Stanislaw M. Ulam, wearing hat and holding glass.	n. d.	1.0 Photograph(s)
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Stanislaw M. Ulam, wearing hat and holding glass. , n. d.

[\[http://diglib.amphilsoc.org/fedora/repository/graphics:3079\]](http://diglib.amphilsoc.org/fedora/repository/graphics:3079)

Stanislaw M. Ulam sitting outside with book.	n. d.	1.0 Photograph(s)
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Stanislaw M. Ulam sitting outside with book. , n. d.

[\[http://diglib.amphilsoc.org/fedora/repository/graphics:3078\]](http://diglib.amphilsoc.org/fedora/repository/graphics:3078)

Folder #5	n.d.	Box Series XIII-1
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von Karman, Theodore	1961	Box Series XIII-1
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von Neumann, John	1950-1954; n.d.	Box Series XIII-1
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Some portraits  
Ulam, Claire  
[Ulam?, Françoise]  
Ulam, Stanislaw

## Series XIV. Audiotape recordings, ca.1955-1982

Series XIV. Audiotape recordings,  
ca.1955-19820.5 Linear  
feet 1 box, 21  
tapes

Audiotapes have been removed from the main collection for storage, and have been assigned call no. Rec. 151. Recordings are primarily of lectures and interviews. See the container listing for further information.

This audio collection is comprised of an eclectic group of audio formats. There are four (4) 7" reel-to-reel tapes, four (4) 5" reel-to-reel tapes, three (3) 4" reel-to-reel tapes, one (1) 3" reel-to-reel tape (lacks box), and six (6) cassettes. In addition, there are three (3) unboxed 3 3/8" diameter reels. This last group is unidentified, but may be computer data stored on magnetic tape. As none of the tapes were played at the time the collection was processed, and as box/reel labels were often incomplete or lacking, no arrangement has been imposed on the tapes at this time. All reel-to-reel tape is 1/4". One 5" reel (designated "e") is stored in a 7" box.

a "Stanislaw M. Ulam, Univ. of Calif."	n.d.	7" reel-to-reel
1 side only, 1/2 track, 3 3/4 IPS. 1 mil polyester. Scotch 229		
b [Unlabeled]	n.d.	7" reel-to-reel
1.5 mil polyester. Scotch 175		
c "Aug 1971. Conversation with Rota."	Aug., 1971	7" reel-to-reel
1.5 mil acetate. Scotch 111.		
d "10-12-73. Dr. Ulam's talk at Physics Colloquium"	October 12, 1973	7" reel-to-reel
3 3/4 IPS. 1 mil acetate. Scotch 190		
e "7-12-71, S. Ulam"	July 12, 1971	5" reel-to-reel
Stored in 7" box. Reel label reads "Useis[?] meeting, 1-7-71."		
f "Voice of America Interview with Professor Stanley Ulam by Zdzislaw Bau.	April 21, 1976	5" reel-to-reel

## Series XIV. Audiotape recordings, ca.1955-1982

11 mins, 25 secs. In Russian or Polish." 1.5 mil acetate. Scotch 111. Reel underfilled		
g "The Way It Is, Part I." Reel label reads "Paris, 8/72, Prof. Ulam."	August 1972	5" reel-to-reel
Scotch, no product no. "19cm/s" [7 1/2" IPS].		
h "The Way It Is, Part II."	August 1972	5" reel-to-reel
Continuation of (g.). Same tape type.		
i One reel labeled "Fortran reel IV, computed go to block program [?] variables."	n.d.	Three (3) 4" unboxed reel-to-reels
Other two reels unlabeled. Possibly stored computer data. All three tapes stored together in a poly-bag.		
j Unlabeled.	n.d.	3" unboxed reel-to-reel
k "S. Ulam -- 2 p.m. -- sci section -- Monday[,] Feb. 14, 1955. Baton Rouge, L[a]."	February 14, 1955	4" reel-to-reel
Reel 1 of 3: See below, tapes (l) and (m). 3 3/4" IPS. 1.5 mil polyester [?]. Scotch 111A		
l Con't from (k). "Reel 2."	February 14, 1955	4" reel-to-reel
m Con't from (l). "Reel 3."	February 14, 1955	4" reel-to-reel
n "Ulam talk (Grille[?] 2/82) `Physics'	February 1982	C-60 cassette
Scotch Highlander brand		
o "S. M. Ulam, 2 Oct. 1976, Talk #1. American Mathematical Heritage Symposium on the History of Applied Mathematics. U of Texas -- Arlington."	October 2, 1976	C-90 cassette

Series XIV. Audiotape recordings, ca.1955-1982

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Ampex 370.

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p Box label: "British Science Museum 1976 1976 Evans Interview (Both Sides)."	C-90[?] cassette
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Tape label reads: "S. Ulam No. 12 Computer Interview." Generic tape.

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q "Gamow lecture series 10-5-82."	October 5, 1982	C-90[?] cassette
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Generic tape

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r "Ulam at Bell Labs."	n.d.	C-60 cassette
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TDK C-60SD.

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s "[?] Rota 1/3/82"	January 3, 1982	C-90[?] cassette
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Generic tape.

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## Series XV. Miscellaneous reprints, manuscripts, a...

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**Series XV. Miscellaneous reprints,  
manuscripts, and journals, 1938-1986**
**1.5 Linear  
feet 3 boxes**

Arranged alphabetically by author. Several folders are filed by journal title when the entire issue is of interest or by title of article when the author is unknown. Most of the materials of this series are reprints, photocopies, typescripts, or autograph manuscripts of scientific papers and reviews prepared by Ulam's colleagues. Notes, data, and abstracts of these papers are filed here as well. It should be noted that Ulam's reprints of journal articles are located in this series, not with the manuscripts of his other published works in Series IX. Some journals containing an article of scientific interest to Ulam, usually dealing with nuclear bombs or LASL, have been saved intact. Rather than removing the specific article, these journals remain as a complete issue and are filed under the author's name. In cases where the entire journal issue appears to have been of interest to Ulam, the journal has been filed by title.

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The Atom, vol. 1, no. II	Nov. 1964	Box Series XV-1
Project ROVER		
The Atom, vol. 4, no. 10	Oct. 1967	Box Series XV-1
SMU retires		
<b>Bednarek, A. R. and S. M. Ulam</b> An integer-valued metric for patterns	1979	Box Series XV-1
<b>Bednarek, A. R.</b> Relational structures and theoretical computer science	1979	Box Series XV-1
<b>Bellman , Richard, 1920-1984</b> Mathematical classics	1959	Box Series XV-1
<b>Bellman , Richard, 1920-1984</b> Mathematical classics I-analysis	1959	Box Series XV-1
<b>Bellman , Richard, 1920-1984</b>	1959	Box Series XV-1

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## Series XV. Miscellaneous reprints, manuscripts, a...

On the limit of solutions of differential-difference equations...

<b>Berlanga, R. and D. B. A. Epstein</b> Measures of non-compact manifolds and their equivalence under homeomorphisms	1981	Box Series XV-1
<b>Bethe, Hans A., (Hans Albrecht), 1906-2005</b> Comments on the history of the H-bomb  LASL Science, vol. 3, no. 3	Fall 1982	Box Series XV-1
<b>Beyer, W. A. and P. R. Stein</b> Brief history of functional iteration at Los Alamos	1983	Box Series XV-1
<b>Birkhoff, Garrett, 1911-1966</b> Analytical groups  See Series IX "A collection of mathematical problems"	n.d.	Box Series XV-1
<b>Birkhoff, George David, 1884-1944</b> Some mathematical aspects of quantum mechanics  Folder #1, pp. 1-24 Folder #2, pp. 25-49 Folder #3, pp. 50-74 Folder #4, pp. 75-99 Folder #5, pp. 110-124 Folder #6, pp. 125-149 Folder #7, pp. 150-175	n.d.	Box Series XV-1
<b>Blair, Clay</b> Passing of a Great Mind: John von Neumann...	n.d.	Box Series XV-1

## Series XV. Miscellaneous reprints, manuscripts, a...

Art. removed from unknown mag.

<b>Bledsoe, W. W.</b>	1960	Box Series
A quantum-theoretical limitation on the speed of digital computers		XV-1
Reprint		
<b>Bondy, J. A.</b>	n.d.	Box Series
Graph reconstruction-a survey		XV-1
Hemminger, R. L.		
See Series I: Kelly, Paul #4		
<b>Borsuk, Karol</b>	1974	Box Series
Lectures on the theory of shape		XV-1
<b>Boyer, Keith [?]</b>	n.d.	Box Series
Flight testing a nuclear rocket engine		XV-1
<b>Carter, David S.</b>	n.d.	Box Series
On a class of minimum-maximum problems		XV-1
Abstract		
See Series IX: A collection of mathematical problems		
Chess	1960	Box Series
		XV-1
Magazine		
<b>Budrewicz, Olgierd</b>	17 Aug. 1973	Box Series
		XV-1
In Polish; Perspektywy, no. 33 (207)		
<b>Budrewicz, Olgierd</b>	20 July 1973	Box Series
Nasi między oceanami		XV-1
In Polish; Perspektywy, no. 29 (203)		

## Series XV. Miscellaneous reprints, manuscripts, a...

<b>Bundy, McGeorge</b> Scientists, decision-makers, and H-bombs: a cautionary tale, 1949-1954	March 1982	Box Series XV-1
From Series IV: H-bomb Conference, Princeton [21-23 June 1982]		
<b>Bush, Vannevar, 1890-1974</b> Obiter dicta ex cathedra  Sports Illus., vol. 9, no. 22	1 Dec. 1958	Box Series XV-1
<b>Carlson, Tim</b> On a problem of Ulam concerning families of measures of the unit interval	n.d.	Box Series XV-1
<b>Chung, K[ai] L[ai]</b> [On problem 94 of the Scottish Book]	[1979?]	Box Series XV-1
<b>Coughlan, Robert</b> Dr. Edward Teller's magnificent obsession  Life, vol. 37, no. 10	6 Sept. 1954	Box Series XV-1
<b>De Vogelaere, Rene</b> On a new method to solve in the large some nonlinear differential equations using high speed digital computers	1956	Box Series XV-1
<b>Dieudonne, J.</b> [Review of Ulam's "A collection of mathematical problems"]  In French	1961	Box Series XV-1
<b>Der Spiegel, Nr. 28</b> 5 July 1976	In German; SMU pp. 130-131	Box Series XV-1
<b>Dyson, Freeman J.</b> The death of a project	9 July 1965	Box Series XV-1

## Series XV. Miscellaneous reprints, manuscripts, a...

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 Project ORION; Science, vol. 149, no. 3680
 

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<b>Dyson, Freeman J.</b>	20 Aug. 1976	Box Series
The hydrogen-bomb decision: a reappraisal		XV-1

 Science, vol. 193, no. 1976
 

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