

The Warren Weaver Papers

Biographical History

Warren Weaver (b. July 7, 1894, d. November 24, 1978) was a scientist, mathematician and science administrator, best known as one of the pioneers of machine translation and as an advocate and supporter of science in all its forms.

Warren Weaver was born in the town of Reedsburg Wisconsin, son of Isaiah Weaver and Kittie Belle (Stupfell) Weaver. Isaiah Weaver was a drugstore owner and it was through his dealings as a druggist that Warren was first introduced to science. During one of his father's annual toy-buying trips to Chicago in preparation for the holiday season at the drugstore, he bought 7-year-old Warren a \$1 Ajax motor powered by a single dry cell battery. Warren took it apart, rebuilt it and began tinkering with its components and mechanics. With curiosity and imagination, a life in science was born. "I didn't know whether such activity was called science or engineering or what...but I decided right then that whatever this was, I wanted it" said Weaver.¹

Warren Weaver served as a 2nd Lieutenant in the Air Service during World War I from 1917-1919. Weaver's formal education was attained at the University of Wisconsin-Madison where he earned a Bachelor of Science degree in 1916, a civil engineering degree in 1917, and later a Ph.D. in 1921. It was also at the University of Wisconsin where Warren met and fell in love with fellow student Mary Hemenway. The couple was married on September 4, 1919 and had two children Warren Jr. and Helen Hemenway. Mary became Warren's staunchest supporter and at times his critic as well. "She had strong convictions and defended them with reason and logic, and held her own in family discussions. Warren learned to depend in many ways on Mary, whose wise counsel was invaluable."²

In 1917 Weaver began his teaching career as an Assistant Professor of Mathematics at Throop Polytechnic Institute, Pasadena, CA, renamed the California Institute of Technology in 1919.

In 1920 Weaver returned to the University of Wisconsin and assumed the position of Assistant Professor of Mathematics, 1920-25; Associate Professor of Mathematics, 1925-28; and Mathematics Professor and Department Chairmen, 1928-1932.

Throughout his career Weaver contributed many papers and articles to math and science journals. Several of his early writings are "The Pressure of Sound" (1920), "The Kinetic Theory of Magnetism" (1920), his collaboration with Max Mason "The Settling of Small Particles in a Fluid" (1924) and the influential books Elementary Mathematical Analysis (1925) and The Electromagnetic Field (with Max Mason), University of Chicago Press, 1929.

Trained as a mathematician, in 1932 Weaver was offered the Directorships of the newly established Natural Sciences Division of the Rockefeller Foundation and the General Education Board. "Inherent in Weaver's responsibilities with the Foundation was the necessity to travel widely, and to become intimately familiar with a broad spectrum of scientists and their

¹ Magat, Richard. "Everyman's Scientist: Dr. Warren Weaver", *Saturday Review*, May 2, 1959.

² Harrar, J.G. "Warren Weaver". *Year Book* of the American Philosophical Society, p.113-117, 1979.

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laboratories here [in the United States] and abroad.”³ At the start of this endeavor he feared his lack of competence in the wide range of sciences now under his care, for which he said, “I was convinced that the great wave of the future....was in the biological sciences.”⁴

At the Rockefeller Foundation, Weaver was responsible for approving grants for major projects in a variety of natural sciences including molecular engineering, genetics, and later agriculture and medical research. In many ways his primary job was to identify, support and encourage young scientists and foster their development. Often this required Weaver to forecast and select scientists he believed were or would be innovators in their respective fields. “Beginning with 1933 Dr. Weaver saw clearly that science was being degraded in some regions of Europe and was a powerful factor in recruiting for American mathematics a large number of scholars from the various European countries.”⁵

He studied intensely to expand his knowledge base to a broad range of sciences in order to make sound judgments and fulfill the obligations of the RF directorship, particularly in his first programs in quantitative biology. He sought to obtain greater support for the development of experimental biology including biochemistry, cellular physiology, embryology and genetics. Weaver “passionately believed that compartmentalization of any science weakened its total impact, and that only interdisciplinary effort would result in solid progress.”⁶ Therefore he sought to eliminate the traditional barriers between scientific disciplines and advocated cross-disciplinary studies in order to more fully dissect, diagnose, and address the world’s problems. “The coming of age of biology will be seriously impeded unless the circumstances of encouragement and support are favorable for the breaking down of old orthodox compartments in science, unless all the tools and techniques of the physicist, the chemist and the mathematician can be brought effectively to bear”⁷

In 1943 the Rockefeller Foundation added agriculture to the Natural Sciences program. The agricultural program had two primary objectives: 1. To cooperate with foreign governments in agricultural research, such as those programs instituted in Mexico and Columbia “with the practical aim of using science to improve both the quality and quantity of basic food crops;” 2. The development of agricultural science through the encouragement of advanced research and the training of personnel.⁸

Weaver practiced what he preached. He often sought to break the traditional barriers of scientific research by calling upon his broad spectrum of personal and professional colleagues and acquaintances from varying fields and expertise to seek collaborators for various personal projects and writings. He was co-author, with Claude E. Shannon, of The Mathematical Theory of Communication, University of Illinois Press, in 1949, often considered a landmark work in the

³ Harrar, J.G. “Warren Weaver”. *Year Book* of the American Philosophical Society, p.113-117, 1979.

⁴ Duren, William L. Jr. Notices of the American Mathematical Society, vol. 26, no. 3, April 1979.

⁵ Resolution of the Board of Trustees of the American Mathematical Society, January 17, 1948, Folder 132, Warren Weaver Papers, RAC.

⁶ Harrar, J.G. “Warren Weaver”. *Year Book* of the American Philosophical Society, p.113-117, 1979.

⁷ Barnard, Chester I. *Science*, vol 117, no. 3034, pages 174-176, February 20, 1953.

⁸ Barnard, Chester I. *Science*, vol 117, no. 3034, pages 174-176, February 20, 1953.

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field of communication. Shannon's essay focused primarily on the engineering aspects of the theory, while Weaver's "Some Recent Contributions to the Mathematical Theory of Communication" offered a philosophical discussion of the implications of the theory written with language accessible to a greater audience. Weaver "believed that communication leads to understanding which in turn leads to social progress."⁹ Later collaborations included U.S. Philanthropic Foundations: Their History, Structure, Management and Record, (1967) in which Weaver utilized his knowledge of Foundations and his vast experience as an administrator in the third sector to collaborate with George Wells Beadle and others.

Weaver's dedication to science was possibly only equaled by his profound dedication to the United States and the ideals of democratic society. "Called upon to return to his original interests in applied mathematics during World War II, Weaver directed government research projects in the Office of Scientific Research and Development. From July 1940 until December 1942 he served as Chairman of Section D-2, the Fire Control Division, of the National Defense Research Committee, and from 1943-1946 as Chief of the Applied Mathematics Panel, an organization of over 200 mathematicians and statisticians working on a wide variety of military problems. As early as 1941, Weaver had served on an official scientific mission, under James Bryant Conant, to investigate British weapons development."¹⁰

"As Chief of the Applied Mathematics Panel of the National Defense Research Committee...Dr. Weaver rendered service beyond all praise. Through his insight and diplomatic skill, he was able to convince the armed forces that mathematics is vital in the solution of many urgent problems of defense and offense. Because of his wide knowledge of, and remarkable ability in, the applications of mathematics he was successful in rallying a host of members of the [American Mathematical] Society to join him in exploring problems remote from their own fields. In the various events which resulted in mathematics emerging from the war with greatly enhanced prestige, he was a notable leader"¹¹

For his outstanding service in connection with the development of anti-aircraft fire control devices (prediction computers, and controlling servomechanisms) and for bombsights and computing sites for use in air-to-air combat, Weaver was awarded the Medal for Merit (1948), the highest honor a civilian can receive from the United States. He also received the King's Medal for Service in the Cause of Freedom (1948) from Britain and he was named an Officer of the Legion of Honor in France (1950).¹²

After World War II, Weaver continued his civilian service in a variety of capacities including but not limited to: membership on the Research Advisory Panel of the War Department, 1946-1947; Chairman of the Naval Research Advisory Panel, 1946-1947; and Chairman of the Basic Research Group, Research and Development Board, Department of Defense, 1952-1953.

⁹ Harrar, J.G. "Warren Weaver". *Year Book* of the American Philosophical Society, p.113-117, 1979.

¹⁰ Barnard, Chester I. *Science*, vol 117, no. 3034, pages 174-176, February 20, 1953.

¹¹ Resolution of the Board of Trustees of the American Mathematical Society, January 17, 1948, Folder 132, Warren Weaver Papers, RAC.

¹² Barnard, Chester I. *Science*, vol 117, no. 3034, pages 174-176, February 20, 1953.

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Weaver's dedication to promoting the international understanding of science, as well as his cross-disciplinary approach and brilliant analytical mind were clearly on display in his memorandum "Translation" of July 15, 1949 in which he wrote "There is no need to do more than mention the obvious fact that a multiplicity of languages impedes cultural interchange between the peoples of the earth, and is a serious deterrent to international understanding. The present memorandum, assuming the validity and importance of this fact, contains some comments and suggestions bearing on the possibility of contributing at least something to the worldwide translation problem through the use of electronic computers of great capacity, flexibility and speed. The suggestions of this memorandum will surely be incomplete and naïve, and may well be patently silly to an expert in the field – for the author is certainly not such."¹³ With his unassuming manner, and common language analogies, Weaver then proceeded to present quite possibly the single most influential publication in the early history of the field of machine translation, and as he had hoped it served as a direct stimulus for research in the field.

In his career as a science administrator Weaver served many foundations and philanthropic endeavors including but not limited to the General Education Board (where he served as Director, Division of Natural Sciences, 1932-1937); the Rockefeller Foundation (Director, Division of Natural Sciences, 1932-1955; Director, Division of Science and Agriculture, 1951-1955, Vice President for Natural and Medical Sciences, 1955-1959); Alfred P. Sloan Foundation (Trustee, 1956-1967; Vice President, 1959-1964; Consultant Scientific Affairs, 1964-1978, Member Executive Committee, 1956-1967; Honorary Trustee, 1967-1978); Salk Institute of Biological Studies, San Diego, CA (Trustee, Chairman of the Board, Non-Resident Fellow); Sloan Kettering Institute (Member, Board of Scientific Consultants, 1951-1954; Trustee, 1954-1967; Chairman, Committee on Scientific Policy, 1955-1959; Member, Executive Committee, 1956-1967; Vice President, 1958-1959); Memorial Hospital (Member, Board, Memorial Center for Cancer and Allied Diseases, 1958-1960; Vice Chairman of the Board, Chairman of the Committee on Scientific Policy, Memorial Sloan-Kettering Cancer Center, 1960-1967; Member, Executive Committee, Memorial Hospital for Cancer and Allied Diseases, 1960-1967). Weaver also served on a variety of councils and committees including but not limited to the National Advisory Cancer Council USPHS, 1957-1960 and as a member of the Governor's Committee on Hospital Costs (N.Y.), 1964-1965. Weaver was President and Chairman of the Board of the American Philosophical Society, 1955. He also served as Member, Vice-Chairman, and Member of the Executive Committee of the Health Research Council N.Y.C., 1958-1960; Director and President of the Public Health Research Institute, N.Y.C, 1961-1963; and as a Member of the National Science Board, National Science Foundation, 1956-1960.

"Warren Weaver's ideas about policy in foundation support of scientific work appeared to be contradictory. In his main service as a director of the Rockefeller Foundation, he developed such applications of science as quantitative biology, better corn for Mexico, and better rice for India. In his membership on the Science Board of the National Science Foundation he came down strong for support of fundamental research. As the director of the Alfred P. Sloan Foundation his policy was to support chosen men or women, neither with a particular mission in applied science nor with commitment to fundamental research, and he assisted in the support of an institute of applied mathematics at NYU. He did not try to resolve these apparent contradictions by any abstract principles, which he distrusted as being too inflexible. Instead, he believed that such

¹³Weaver, Warren. "Translation", July 15 1949, Folder 476, Warren Weaver papers, RAC.

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diverse aims were not only tolerable but desirable. It only required that the one who made the choices in the foundation have a good mind and training and be willing to use them with the help of the best obtainable expert advice.”¹⁴

Along with communication, Weaver’s greatest personal research interest lay with the mathematical theory of probability. It was his belief that all scientists are deeply concerned with probability. “For a vast range of cases in which it is entirely impossible for science to answer the question ‘Is this statement true?’ probability theory does furnish the basis for judgment as to how likely it is that the statement is true. It is probability which, in an important fraction of cases, enables man[kind] to resolve the paradoxical dilemma pointed out by Samuel Butler: ‘Life is the art of drawing sufficient conclusions from insufficient premises.’”¹⁵ Early in his career Weaver tackled the matter of probability with several writings including “The Reign of Probability” (1930) and “Probability, Rarity, Interest and Surprise” (1948) both published in the *Scientific Monthly*. Weaver’s pursuit to share his passion for probability with the people of the world culminated with Lady Luck: The Theory of Probability published in 1963. It is a witty fun introduction to probability theory with more than 40 illustrations by Peg Hosford and no advanced understanding of mathematics required. Along with his extensive knowledge of the subject, Weaver shares his personality, and his joy and love for mathematics. Possibly his greatest talent and most momentous achievement was his innate ability to communicate complicated mathematical and scientific concepts to children and the general public in a manner that clearly and distinctly brought these concepts into everyday life. Combined with his teaching talents he had built and refined this skill advocating for research support of young and often unproven scientists while at the Rockefeller Foundation, and he perfected it with the innovative and imaginative Lady Luck.

Weaver was elected President of the American Association for the Advancement of Science in 1954. He was named a fellow of the American Academy of Arts and Sciences (1958). He received the Public Welfare Medal from the National Academy of Sciences in 1957 and the first Arches of Science Award from the Pacific Science Center in 1965 for outstanding contributions to the public understanding of the meaning of science to contemporary men and women. In the same year, UNESCO presented Weaver with its international literary award, the Kalinga Prize for distinguished contributions to the popular understanding of science and exceptional skill in presenting scientific ideas to lay people.

Among his many memberships included: the American Mathematics Society, Mathematics Association of America, American Philosophical Society, American Society of Naturalists, American Society of Symbolic Logic, Council Library Resources (dir. 1956-59), National Academy of Sciences, Corr. Member, Chr. Michelsens Institutt (CMI), Bergen, Norway, as well as the Cosmos Club (Washington, DC) and the Century Association (N.Y.C.).

Weaver was also an aficionado of the storyteller Lewis Carroll and his seminal work of fantasy Alice’s Adventures in Wonderland. Richard Magat wrote in 1959 “Alice in Wonderland was the first book Warren Weaver ever owned. His mother read it to him before he could read it himself. He has never since escaped the thrall of Lewis Carroll’s whimsy. Indeed he has not tried to

¹⁴Duren, William L., Jr. Notices of the American Mathematical Society, vol. 26, no. 3, April 1979.

¹⁵ *Scientific American*, 183, 47, October 1950.

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escape; he has been a quite willing captive to a form of communication that reaches everyone”¹⁶ Carroll’s educational training and academic work were in the field of mathematics within which he published many works under his given name Charles L. Dodgson. Weaver was actually “very much like Carroll in his ability to communicate to all sorts of people his ideas about the exceedingly strange things of the everyday”¹⁷

Weaver owned an extensive collection of Carroll’s writings, now held at the University of Texas, and he wrote several articles dedicated to Carroll’s work as well as the book *Alice in Many Tongues* (1964) devoted to 160 translations of *Alice in Wonderland* in 42 languages.

Weaver “continued his study of science and communication throughout his life, not only to do well in his job as supporter of science but also to become a remarkable interpreter of science and mathematics to the public. He proved that, if a mathematician puts his mind to it, mathematics is a very good base – perhaps the best – from which to become broadly educated in science and the humanities. By the time he retired, Warren Weaver was as knowledgeable a scientific generalist as we had in this country, and as wise a director of philanthropy as we had”¹⁸

Scope and Content

The Warren Weaver papers consist of correspondence, memoranda, reports, speeches, manuscripts, articles, reprints, photographs and a selection of oversized materials including awards, citations and degrees.

The collection documents Weaver’s life as a teacher, author, mathematician, administrator and scientist. It sheds light on his vast interests and knowledge as well as the relationships he developed, and the respect he garnered, from an extensive network of friends, colleagues, academicians and acquaintances in the fields of mathematics, science, philanthropy, the armed forces and government.

The papers demonstrate Weaver’s brilliant analytical mind, his wit, his humor, his capacity for logic and deductive reasoning, his lifelong commitment to science and communication and his extraordinary ability to express complex concepts in common language to share the magic of science with the general populous.

Arrangement

The Warren Weaver papers are arranged into 13 series:

1. Correspondence, 1912-1978 (5.5 cu. ft.);
2. Biographical, 1932-1978 (0.5 cu. ft.);
3. Rockefeller Foundation, 1933-1961 (2.5 cu. ft.);
4. Travel, 1932-1961 (1.5 cu. ft.);
5. Salk Institute for Biological Studies, 1961-1973 (4 cu. ft.);
6. Alfred P. Sloan Foundation, 1957-1974 (3.5 cu. ft.);
7. Sloan-Kettering Institute, 1959-1973 (0.8 cu. ft.);

¹⁶ Magat, Richard. “Everyman’s Scientist: Dr. Warren Weaver”, *Saturday Review*, May 2, 1959.

¹⁷ Magat, Richard. “Everyman’s Scientist: Dr. Warren Weaver”, *Saturday Review*, May 2, 1959.

¹⁸ Duren, William L., Jr. Notices of the American Mathematical Society, vol. 26, no. 3, April 1979.

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8. General Files, 1932-1979 (3.5 cu. ft.);
9. Speeches & Articles, 1937-c.1966 (1 cu. ft.);
10. Awards, Citations and Degrees, 1936-1969 (2 cu. ft.);
11. Manuscripts, 1963-1965 (2 cu. ft.);
12. Reprints, 1920-1987 (Bulk: 1932-1977) (6 cu. ft.);
13. Photographs & Special Formats

The majority of the records are arranged as received by RAC. Arrangement of the material within folders is also as received, primarily in a loose reverse chronological order (unless otherwise noted).

The strength of the papers is a rich set of correspondence, primarily contained in Series 1, which are arranged as received by RAC in four subseries: 1. General Correspondence, 1925-1977; 2. General Correspondence, 1912-1978; 3. Probability; 4. World Wars. The General Correspondence is arranged alphabetically by personal or institutional name, and further presented loosely in reverse chronological order within each folder. The biographical material (Series 2) is quite limited. Various folders or items within the collection may contain informational notes handwritten by Weaver's daughter Helen while she was reviewing the records and preparing them for shipment to RAC.

Weaver began his career at the Rockefeller Foundation as Director of the Division of Natural Sciences, 1932-55. He was seconded from the Foundation for a series of civilian service appointments during World War II beginning in 1941. Weaver contracted Meniere's Disease (ear infection) after the war, and was unable to resume his duties with the RF until 1946. He was appointed Director of the Division of Science and Agriculture, 1951-1955, and named Vice President for Natural and Medical Sciences, 1955-59. He retired from the Rockefeller Foundation in 1959.

The Rockefeller Foundation files (Series 3) include a variety of programs essays and reports as well as a limited selection of advisory committee reports. The strength of this series lies with the files documenting the interviews of Warren Weaver conducted by Barbara Rand of the Columbia University Oral History Research Office in 1961. The transcripts available in Series 3 include Weaver's written edits and comments. The final published version of the 1961 oral history is available at Columbia University and in Record Group 13 of the Rockefeller Foundation records at RAC.

Series 4 documents Weaver's travels from 1932-1961 including a chronological record of his travel for the period 1932-1938 and travel diaries for trips to Poland (1958) and England (1961). The series also contains a variety of travel ephemera and memorabilia including maps, guidebooks, and souvenirs primarily from Weaver's world tour in 1961.

Series 5 contains meeting records, correspondence, reports and publicity and fundraising files documenting Weaver's activities at the Salk Institute of Biological Studies where he served as a Trustee, Chairman of the Board, and as a non-resident fellow.

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Warren Weaver served the Alfred P. Sloan Foundation as a Trustee, 1956-1967; Vice President, 1959-1964; Consultant Scientific Affairs, 1964-1978; a member of the Executive Committee, 1956-1967; and as an honorary Trustee, 1967-1978.

The records in Series 6 include documentation of select Board of Trustees meetings, staff meetings, and annual reports during Weaver's tenure at Sloan. This series also contains correspondence and reports, principally Weaver's correspondence with Alfred P. Sloan from 1959-1966.

Weaver served Sloan-Kettering Institute in a variety of administrative capacities including as a member of the Board of Scientific Consultants, 1951-1954; Trustee, 1954-1967; Chairman of the Committee on Scientific Policy, 1955-59; Executive Committee member, 1956-1967; and Vice President, 1958-1959.

His service to Memorial Hospital and Memorial Sloan-Kettering Cancer included as a member of the Board, Memorial Center for Cancer and Allied Diseases, 1958-1960; Vice Chairman of the Board, Chairman of the Committee on Scientific Policy, Memorial Sloan-Kettering Cancer Center, 1960-1967; and as a member of the Executive Committee, Memorial Hospital for Cancer and Allied Diseases, 1960-1967. The records in Series 7 primarily document the mid to late 1960s.

The General Files (Series 8) contain correspondence arranged alphabetically by subject or name of correspondent. The majority of the material presented in Series 8 relates to Weaver's personal writings, books and articles.

Series 9 containing speeches, articles, notes and speech cards are maintained together as received by RAC. Weaver's speech cards, loosely arranged chronologically by year (1939-1966), are a set of handwritten index cards presumably used as prompts during his presentations and addresses.

Series 10 Awards, Citations and Degrees contains documentation of a selection of the honors Weaver received including most notably the Public Welfare Medal from the National Academy of Sciences (1957), the first Arches of Science Award from the Pacific Science Center (1965), the UNESCO Kalinga Prize (1965) and the citation for the Medal for Merit from the United States.

Series 11 Manuscripts and Series 12 Reprints document Weaver's writings, articles, collaborations and publications including Lady Luck: The Theory of Probability (1963) and U.S. Philanthropic Foundations: Their History, Structure, Management and Record (1967). The reprints are arranged into two subseries containing works written by Warren Weaver, and works written by other scholars and academicians that were collected by Weaver. Each subseries is loosely arranged chronologically. The contents include, but are not limited to those works listed in the reprints indexes beginning on page 27.

Extent

The Warren Weaver papers consist of approximately 32 cu. ft. of archival material.

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Conditions Governing Access

The collection is open for scholarly research, with select materials restricted (as noted)

All previously published material is open for scholarly research.

Requests to View the Warren Weaver Papers

It is highly recommended that requests to view the Warren Weaver papers are made by Box Number. Retrieval of individual folders is permitted.

Conditions Governing Use

Helen Weaver, daughter of Warren Weaver, retains copyright and literary rights in the collection, in so far as she holds them, during her lifetime, after which all rights transfer to the Rockefeller Archive Center.

The Rockefeller Archive Center has authority to grant permission to cite and publish material from the collection.

Citations

When citing the Warren Weaver papers for publication, the following format should be used:

Item description, Folder Number, Collection Name, RAC

Example:

Weaver to Harrar, October 1, 1964, Folder 44, Warren Weaver papers, RAC

Physical Characteristics and Technical Requirements Note

The Archive Center staff has closed select items in the Warren Weaver papers from scholarly access until staff can complete necessary preservation measures. Archival records which are temporarily restricted due to preservation concerns are clearly identified in the inventory section of this finding aid.

Portions of the collection currently remains housed in original folders. RAC staff suggests that researchers using the papers consult the inventory for full folder titles, which may appear in abbreviated form on the folders themselves.

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Source of Acquisition

Helen Weaver, Warren Weaver's daughter, donated these records to the Rockefeller Archive Center in April 2001. The Archive Center received the collection in multiple accessions including but not limited to those made in January 1997, November 2000 and March 2001 (Accessions 1997:002, 2001:015, 2005:008 and 2009:013).

Related Archival Material

1. Rockefeller Foundation Records
(particularly those records documenting the Division of Natural Sciences (1932-1955), the Division of Sciences and Agriculture (1951-1955) and the Medical Sciences (1955-1959).
2. Warren Weaver Diaries, 1932-1959 (Rockefeller Foundation, RG 12 Officers' Diaries)
3. Warren Weaver Oral Histories: Oral History Research Office, Columbia University, 1961; Mexican Agricultural Program, 1966 (Rockefeller Foundation, RG 13 Oral Histories)
4. Memorial Sloan-Kettering Cancer Center records

Existence of Related Material at other Archival Repositories

Warren Weaver Papers, 1928-1932 (0.3 cu. ft.), University of Wisconsin.

Lewis Carroll (Charles Dodgson), Warren Weaver Collection, University of Texas.

Processing Note

Limited archival processing of the Warren Weaver papers was conducted by Robert Battaly, Assistant Director, Head of Processing, Rockefeller Archive Center in May 2011 to arrange and describe the material and enable scholarly access. Further archival processing, primarily to address the preservation and conservation needs of the records, will be conducted at a later date, as necessary.

Finding Aid Preparation

The finding aid for Series 1-12 was prepared by Robert Battaly, Assistant Director, Head of Processing, Rockefeller Archive Center, May 2011. The finding aid for Series 13 Photographs and Special Formats was prepared by Larissa Woo, Archivist, Rockefeller Archive Center, June 2001.

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Series 1: Correspondence

Subseries 1: General Correspondence, 1925-1977 (Bulk: 1950s-1960s)

- | | | |
|---|-----|---|
| 1 | 1 | A, |
| 1 | 2 | American Association for the Advancement of Science (A.A.A.S.), 1967-1973 |
| 1 | 3 | Academy of Religion and Mental Health, 1966-1969 |
| 1 | 4 | Academy of Religion and Mental Health, 1967 |
| 1 | 5 | Academy of Religion and Mental Health, 1970 |
| 1 | 5.1 | Alice TV Show (WNET-TV Channel 13), 1962-1963 |
| 2 | 6 | American Academy of Arts and Sciences, 1967-1969 |
| 2 | 7 | Author's Guild, 1967-1968 |
| 2 | 8 | Ayer, N.W., 1970 |
| 2 | 9 | Ba-BI, 1954-1975 |
| 2 | 10 | Bo-Bu, 1959-1972 |
| 2 | 11 | Beadle, George, 1961-1968 |
| 2 | 12 | Binet, Francis E., 1964-1966 |
| 2 | 13 | Bowers, John Z., 1961-1967 |
| 2 | 14 | Brant, Selwyn A., 1959-1970 |
| 2 | 15 | Broughton, Philip S., 1963-1970 |
| 2 | 16 | Brown, C. Victor, 1966-1972 |
| 2 | 17 | Burhoe, Ralph W., 1967-1972 |
| 2 | 18 | Bush, Vannevar, 1970 |
| 2 | 19 | C, 1963-1978 |
| 2 | 20 | Cheese, 1972 |
| 3 | 21 | Clark, Richard, 1962-1968 |
| 3 | 22 | Compton, Randolph, 1968-1973 |
| 3 | 23 | Conant, J.B., 1967-1971 |
| 3 | 24 | Cooper, James Gregory, 1963-1973 |
| 3 | 25 | Corner, George, 1963-1973 |
| 3 | 26 | Cost of Living |
| 3 | 27 | Courant, Richard, 1965-1973 |
| 3 | 28 | Courant Institute of Mathematical Sciences (NYU): Correspondence, 1963-1973 |
| 3 | 29 | Courant Institute of Mathematical Sciences (NYU): Publications, 1953-1969 |
| 3 | 30 | Cousins, Norman, 1958-1971 |
| 4 | 31 | D, 1959-1973 |
| 4 | 32 | Davis, Harold L: Scientific Research, 1967 |
| 4 | 33 | Dubridge, Lee A., 1967-1968 |
| 4 | 34 | E, 1956-1972 |
| 4 | 35 | Reports from Ellen, 1967 |
| 4 | 36 | F, 1942-1973 |
| 4 | 37 | Fisher Radio, 1966-1969 |
| 4 | 38 | Fosdick, Raymond, 1969-1972 |
| 4 | 39 | Foundation Library Center, 1966-1968 |

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4	41	Geiger, Jack, 1968-1973
4	42	Gould, Lawrence, 1960-1969
4	43	H, 1954-1978
4	44	Harrar, George, 1963-1972
4	45	Harrod, Sir Roy, 1966-1973
4	46	Hayek, F.A.V., 1966-1967
4	47	Hazeltine, Allen, 1971
4	48	Heffner, Richard, 1966-1973
4	49	Holter, Heinz, 1967
5	50	Horton, Philip, 1968
5	51	Hunt, R.N., 1959-1972
5	52	I, 1966-1968
5	53	Ingraham, Mark, 1961-1972
5	54	J, 1961-1972
5	55	Jellinek, Roger, 1967
5	56	Jones, Donald, 1963-1973
5	57	K, 1960-1974
5	58	L, 1951-1973
5	59	Lenard, Alexander, 1961-1967
5	60	Luria, Zella
5	61	M, 1953-1973
5	62	Mahoney, Margaret, 1973
5	63	Mason, Max, 1925-1960
5	64	Miller, H.M., Jr., 1966-1969
6	65	Miscellaneous Correspondence, 1929-1977
6	66	Monod, Jacques, 1967-1972
6	67	Morison, Robert S., 1959-1973
6	68	N, 1963-1971
6	69	National Academy of Sciences, 1958-1973
6	70	National Academy of Sciences: Math Awards Committee, 1968-1974
6	71	National Cash Register, 1942-1967
6	72	Neubert, A.K., 1966-1973
6	73	Neyman, Jerzy, 1967
6	74	Nobel Prize, 1951-1962
6	75	Nourse, Edwin G., 1966-1968
7	76	O, 1946-1972
7	77	P, 1960-1971
7	78	Piel, Gerard, 1967-1970
7	79	Poitras, Edward, 1960-1971
7	80	Polanyi, Michael, 1958-1968
7	81	Pomerat, G.R., 1967-1971

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7	82	Q, 1955-1967
7	83	R, 1959-1978
7	84	Randall, H.T., 1966-1972
7	85	<i>Redbook</i> (Robert Lewis), 1967-1968
7	86	Reedsburg Hardware Company, 1957-1973
7	87	Rhind, Flora, 1967
7	88	Rhoads, C.P., 1959
7	89	Roberts, Walter Orr, 1967-1969
7	90	Robinson, Edward, 1967-1970
7	91	Rockefeller Foundation: Villa Serbelloni, 1971
7	92	Rossoni, Dina, 1967-1969
7	93	Roston, Leo, 1966-1973
7	94	Rusk, Dean, 1959-1972
7	95	S, 1959-1973
7	96	<i>Saturday Review</i> , 1968-1972
8	97	Savage, Jimmie, 1971-1972
8	98	Save the Children Federation, 1967-1970
8	98.1	Save the Children Federation (Permanently Restricted – Confidential Material – Personnel)
8	99	Scientists' Institute for Public Information, 1966-1972
8	100	Skipper,, Howard: Southern Research Institute, 1963-1973
8	101	Slichter, Louis, 1966-1973
8	102	Stanford Meeting, 1971
8	103	Stevens, David, 1967-1972
8	104	Stibitz, George R., 1968-1970
8	105	Stolper, Wolf, 1966-1968
8	106	T, 1958-1973
8	107	Taylor, Barney, 1967
8	108	U, 1959-1971
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Oral History Transcripts of Interviews by Barbara Rand, Oral History Research Office, Columbia University, 1961

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- 15 190 Oral History, Interview 15, 1961 June 28
- 15 191 J. George Harrar. Strategy Toward the Conquest of Hunger. New York: Rockefeller Foundation, 1967 (w/personal inscription from JGH to WW)
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 - Department of the Navy: Appreciation for Service as a Member of the Naval Research Advisory Committee from 1946-1947
 - National Medal of Merit: Citation, 1948 January 2
 - University of Sao Paulo, Brazil (Sc.D.), 1949
 - Adventures in Science Audio Recording: Warren Weaver and Dean Rusk, 1953 January 6
 - American Philosophical Society: Membership Certificate, 1954 April 21
 - Clipper Club: Membership Certificate, 1955 April 25
 - Invitation to the Inauguration of U.S. President Dwight D. Eisenhower, 1957 January 21
 - National Academy of Sciences Public Welfare Medal: Press Release, 1957
 - American Academy of Arts and Sciences, Fellow, 1958 May 14
 - Rockefeller Foundation: Identification Card, 1958-1961
 - National Association of Science Writers: Honorary Member, 1959
 - National Science Foundation: Appointment to the National Science Board (term ending 1960 May 10)
 - New York University Courant Institute of Medical Sciences: Remarks on the Occasion of the \$2,750,000 grant, 1961 October 20
 - Drexel University of Technology: Doctor of Science Degree (Honorary), 1961 December 5
 - Southern Research Institute: Honorary Member of Advisory Council, 1962
 - RPI: Doctor of Engineering (D.E.), 1962 June 8
 - University of Rochester (L.H.D.), 1963
 - New York Academy of Sciences: Membership Certificate, 1963 September 20
 - University of Pittsburgh: Doctor of Science Degree (Honorary), 1964 June 1
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 - Alfred P. Sloan Foundation: Tribute, 1967 July 17

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- American Association for the Advancement of Science: 50 Year Member Certificate, 1968 October 29
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1920	May		<i>Physical Review</i>	The Pressure of Sound
1920	May		<i>The American Mathematical Monthly</i>	Forecast
1920	October		<i>The American Mathematical Monthly</i>	The Average Reading Vocabulary: An Application of Bayes' Theorem
1920	November		<i>The Physical Review</i>	The Kinetic Theory of Magnetism
1924	March		<i>The Physical Review</i> (WW with Max Mason)	The Settling of Small Particles in a Fluid
1926	April		<i>The Physical Review</i>	The Duration of the Transient State in the Settling of Small Particles
1927			Zetschrift Fur Physik	Die Diffusion kleiner Teilchen in einer Flussigkeit (The Diffusion of Small Particles in a Fluid)
1928	June		<i>The Physical Review</i> (WW with H.W. March)	Diffusion Problem for a Solid in Contact with a Stirred Liquid
1928			Zetschrift Fur Physik	Die Sedimentationszeit kleiner Teilchen in einer Flussigkeit (The Sedimentation of Small Particles in a Fluid)
1929	January		<i>The American Mathematical Monthly</i>	A Debate on the Theory of Relativity
1929	November		<i>The Scientific Monthly</i>	Science and Imagination
1930	April		<i>The American Mathematical Monthly</i>	Mathematics and the Problem of Ore Location
1930	July		Bulletin of the Associated State Engineering Societies	Geophysical Prospecting
1930	November		<i>The Scientific Monthly</i>	The Reign of Probability
1931			Recent Trends in American College Education (Proceedings of the Institute for Administrative Officers of Higher Education)	The New Curriculum at the University of Wisconsin
1932	June		Journal of Mathematics and Physics	Uplift Pressure on Dams
1932	October		<i>The American Mathematical Monthly</i>	Conformal Representation with Applications to Problems of Applied Mathematics
1937	January		<i>The American Mathematical Monthly</i>	Review: Mathematics of Modern Engineering
1938	April		<i>The American Mathematical Monthly</i>	Lewis Carrol and a Geometrical Paradox
1940	February			Lewis Carrol: Correspondence Numbers
1942	February	1	The Riverside Church	A Scientist's Prayer

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1943	May	14	Applied Mathematics Panel, National Defense Research Committee, The	Estimation of Balloon Barrage Probabilities and Similar Problems
1945	November		Society for Freedom in Sciences	Free Science
1946	December	10	Address delivered at Quarterly Sales Committee Dinner, United State Rubber Company	Science
1948	January		Reviews of Modern Physics	Statistical Freedom of the Will
1948	Autumn		<i>American Scientist</i>	Science and Complexity
1948	September		<i>The Atlantic Monthly</i>	Size
1948	December		<i>The Scientific Monthly</i>	Probability, Rarity, Interest and Surprise
1949	July	15		Translation
1949	July		<i>Scientific American</i>	The Mathematics of Communication
1949				Population and Food
1950	February		<i>Scientific Monthly</i>	Reply to McConnell's letter re Extrasensory Perception
1950	October		<i>Scientific American</i>	Probability
1951	August	31	<i>Science</i>	Questions for the September Conference
1951	Autumn		The Princeton University Library Chronicle	Alice's Adventures in Wonderland: Its Origin and Its Author
1951	October	23	New York Herald Tribune Annual Forum	A Community Tries to Be Sensible
1951	November	2	American Academy of Arts and Sciences	Report on Arden House Meeting
1951	December		<i>The Scientific Monthly</i>	Protein Structure Studies
1951			Statement for the Advisory Committee for Agricultural Activities (consisting of Stakman, Bradfield and Mangelsdorf, with collaboration from Weaver, Harrar and Miller)	The World Food Problem, Agriculture and the Rockefeller Foundation
1952	January		<i>Scientific American</i>	Statistics
1952			ed. Lyman Bryson, Harper and Brothers Publishers	Facing the Future's Risks (Probability and Statistics)
1953	Summer		A Review of the General Semantics	Recent Contributions to the Mathematical Theory of Communication
1953	September		<i>Scientific American</i>	Fundamental Questions in Science
1954	February	26	<i>Science</i>	Who Speaks for Whom or for What? (Editorial)

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1954	June		<i>The Scientific Monthly</i>	People, Energy, and Food
1954	October	15	Proceedings of The American Philosophical Society	The Mathematical Manuscripts of Lewis Carroll
1954	December	11	<i>Saturday Review</i>	Peace of Mind
1954				Introduction to Dr. Edward U. Condon of Berkeley, CA at the Annual Meeting of the American Association for the Advancement of Science
1955	April	5	<i>Look</i>	Can a Scientist Believe in God?
1955	June	24	Commencement Address, Scarsdale High School, Scarsdale, NY	What's Past is Prologue
1955	September		The Journal of the Patent Office Society	The Patent Office Problem
1955	December		<i>Science</i>	Science and People
1955			Machine Translation of Languages, Locke and Booth, ed. MIT	Foreword, The New Tower
1955			American Documentation	The Patent Office Problem
1956	April		<i>Scientific American</i>	Lewis Carrol: Mathematician
1956	June	29	<i>U.S. News and World Report</i>	What You Should Know About Danger from X Rays
1956	October		<i>Challenge</i>	How Radiation Can Affect Our Children (Interview with WW)
1956	November	15		Pasadena Revisited
1956	Winter		The Princeton University Library Chronicle	The Parish Collection of Carrolliana
1956			National Academy of Sciences, National Research Council	Report of the Committee on Genetic Effects of Atomic Radiation (WW Chairman & Author)
1957	January	16-17	Hearings before a Subcommittee of the Committee on Foreign Relations, U.S. Senate, 84th Congress	Control and Reduction of Armaments
1957	April	25-27	Medical Research Planning Conference (Address)	Operations Research
1957	April		Journal of the Franklin Institute	Radiations and the Genetic Threat
1957	November		Public Health Reports	New Dimensions of Learning in a Free Society
1957	December	24	<i>Look</i>	Christmas 1957
1957	December		Bulletin of Atomic Scientists	Science and the Citizen

Series 12 Reprints Index: Works by Warren Weaver

Year	Month	Day	Publisher/Publication	Title
1958	January	20-22	Hearings before a Subcommittee of the Committee on Government Operations, 85th Congress	
1958	March	7	<i>Science</i>	Communicative Accuracy
1958	July	18	<i>Science</i>	How Big is Too Big?
1958	August		The Rockefeller Foundation (Report for)	Ave Atque Vale
1958	September		<i>Scientific American</i>	The Encouragement of Science
1958			Rockefeller Foundation Annual Report	A Quarter Century in the Natural Sciences
1959	January	3	Saturday Review	A Scientist Ponders Faith
1959	March		<i>Air Force</i>	A Scientist Ponders Faith
1959	August	7	<i>Science</i>	Dither
1959	November	20	<i>Science</i>	Report of the Special Committee
1959	November	16-18	Proceedings of the Robert A. Welch Foundation Conferences on Chemical Research	Science and the World of Scholarship
1959			Atlantico	Reflexiones De Un Hombre De Ciencia Sobre La Fe (A Scientist Ponders Faith)
1960	January	29	<i>Science</i>	The Moment of Truth
1960	January		The Robert A. Welch Foundation Research Bulletin	Science and the World of Scholarship
1960	March	5	<i>Saturday Review</i>	The Case of the Wayword Words
1960	March		The New York Public Library Bulletin	Words
1960	April		The Journal of Medical Education	Medicine: The New Science and the Old Art
1960	May		Political Research Organization and Design	Report of the Special Committee
1960	August	8	<i>Christianity and Crisis</i>	Statistical Morality
1960	September	8-10	Dartmouth Conference	Issues of Man and His Environment
1960	October		Academy Reporter (Editorial)	Science and Older Wisdom
1960	November	25	<i>Science</i>	The Attractiveness of Dessert
1960	December	23	<i>Science</i> (Editorial)	Disparagement of Statistical Evidence
1960	December		<i>Think</i>	Science: Why Every Man Should Take More Interest in Science

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Year	Month	Day	Publisher/Publication	Title
1960			Alfred P. Sloan Foundation	A Great Age for Science
1960			AAAS Annual Meeting	The Moral Un-Neutrality of Science
1961	January	23	<i>Christianity and Crisis</i>	Statistical Morality
1961	January		Public Health Reports	Quarter Century in the Natural Sciences
1961	March		<i>American Scientist</i>	The Imperfections of Science
1961	March		Nutrition Reviews	Why is Science Important
1961	April		<i>Think</i>	Probability: The Odds are High that It Effects You
1961	July		Science of Mind	A Scientist Ponders Faith
1961	October	26	Academy of Religion and Mental Health	Speech at First Annual Dinner
1961	December	3-5	Drexel, Seventh Anniversary Convocation	Science, Learning, and the Whole of Life
1961			<i>Year Book</i> of the American Philosophical Society	Chester Irving Barnard
1962	February		Fourfront	Cancer Research: Where Are We?
1962	February		Journal of Medical Education	Private Universities and the New Unity of Learning
1962	May	8	Address given at the Congregational Church, New Milford, CT	Science and Religion
1962	May		<i>Foundation News</i> (Bulletin of Foundation Library Center)	Thoughts on Philanthropy and Philanthropoids
1962	June	1	Science (Editorial)	New Institute for Biological Studies at San Diego
1962	June	28		Thoughts on the Fourth Morning
1962	June		New Scientist	What a Layman Needs to Know About Science (Drafted by John Lear, from material written by WW)
1962	August	4	<i>Saturday Review</i>	What a Moon Ticket Will Buy
1962	September	16	<i>Houston Chronicle</i>	Science for Everybody
1962	September	28	<i>Science</i>	Stability and Change
1962	September		<i>Industrial Management Magazine</i>	Probability: The Odds are High that It Effects You
1962	December	31	Look	Christmas in Crisis
1962	April	4	Southern Research Institute	An Address
1962			Annals of the Japan Association for Philosophy of Science	The Emerging Unity of Science
1963	February	1		Mathematics in the United States

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Year	Month	Day	Publisher/Publication	Title
1963	February		<i>Academy Reporter</i> (Academy of Religion and Mental Health)	A Mathematicians Prayer
1963	February		<i>Think</i>	The New Biology
1963	May	6	The Salk Institute for Biological Studies	Speech given a Biltmore Hotel, N.Y.
1963	May		University of Wisconsin (Van Vleck Hall Dedication)	Edward Burr Van Vleck
1963	May		Bulletin of the Atomic Scientists	Dreams and Responsibilities
1963				Remarks on Retirement
1964	March	20	<i>Science</i>	
1964	May	20	<i>Science</i>	Scientific Explanation
1964			<i>Biographical Memoirs</i>	Max Mason
1965	January		<i>The American Mathematical Monthly</i>	Award for Distinguished Service to Professor Richard Courant
1965	January		The Private Library	The 'India Alice'
1965	Spring		Alfred P. Sloan Foundation	Mathematics and Philanthropy
1965	December	6	<i>U.S. News and World Report</i>	Billions for Science: Is it Worth the Price?
1965			Alfred P. Sloan Foundation	Careers in Science
1965			<i>Science Reporter</i>	The Kalinga Prize 1964
1966	January		Tennessee Teacher	Four Pieces of Advice to Young Peoples
1966	January		The UNESCO Courier	The Inner Nature of Science
1966	March		<i>Science</i>	Good Teaching
1966	May	28	<i>Saturday Review</i>	Confessions of a Scientist-Humanist
1966	September		<i>Zygon</i>	Some Moral Problems posed by Modern Science
1966	October	25		Address to the Society of Memorial Sloan-Kettering Cancer Center
1966	October		<i>Pediatrics</i>	Probability, Rarity, Interest and Surprise
1966			<i>Impact</i>	L'importance de la Vulgarization Scientifique (Why is it so Important that Science be Understood?)
1966			<i>Impact</i>	Why is it so Important that Science be Understood?
1967	July		<i>Scientific Research</i>	Matter of Opinion
1967	December		<i>Redbook</i>	Science and the Goodness of God
1967			<i>Ordo</i>	Wissenschaft Und Komplexitat
1969	June		<i>Unpublished</i>	Where Do We Go From Here?

Series 12 Reprints Index: Works by Warren Weaver

Year	Month	Day	Publisher/Publication	Title
1969	August	9	<i>Saturday Review</i>	Basic Research and the Common Good
1970	November		The Library Chronicle of the University of Texas	In Pursuit of Lewis Carroll
1971			The Papers of the Bibliographical Society of America	The First Edition of Alice's Adventures in Wonderland
1972	February		AAAS Bulletin	Science in a Troubled Culture: A Prescription
1972			<i>Year Book</i> of the American Philosophical Society	Richard Courant
1975	October		Alfred P. Sloan Foundation	Alfred P. Sloan, Jr. Philanthropist
1977			<i>Historia Mathematica</i>	Early Support for Mathematics from Rockefeller Agencies
1970s				Nineteen Plus (?) Two (?)
1970s				The Religion of a Scientist

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1925	November		Gruenberg, Benjamin C.	Journal of Educational Method	Scientific Education as a Defense Against Propoganda and Dogma
1930			Sommerfeld, A.	Bulletin of the Calcutta Mathematical Society	Uber Die Hauptschnitte Eines Polydimensionalen Würfels
1933	May	13	Gruenberg, Benjamin C.	<i>School and Society</i>	Hypothesis and Doctrine in Science Teaching
1933	September		Slichter, Charles S.	Sigma XI Quarterly	Polymaths: Technicians, Specialists and Genius
1933	October		Noll, Victor H.	Teachers College Record	The Habit of Scientific Thinking
1933	December		Noll, Victor H.	Teachers College Record	Teaching the Habit of Scientific Thinking
1934	March		Slichter, Charles S.	School Science and Mathematics	Mathematics and Reality
1934	May		Noll, Victor H.	Teachers College Record	Measuring Scientific Thinking
1934				<i>Scripta Mathematica</i>	A Physicist's Second Reaction to Megenlehre
1935	July-September		Noll, Victor H.	Journal of Abnormal and Social Psychology	Measuring the Scientific Attitude
1935			Levy, H.		Determinism and Man
1937	August-September		Slichter, Charles S.	<i>American Mathematical Monthly</i>	The Principia and the Modern Age
1937			Van Vleck, J.H.	<i>Biographical Memoirs</i>	Charles Elwood Mendenhall
1938	March		Benford, Frank	Proceedings of the American Philosophical Society	The Law of Anormalous Numbers
1938	March		Gruenberg, Benjamin C.	<i>Science Education</i>	The Scientific Temper and Social Values
1938			Morris, Charles W.	The University of Chicago Press	Foundations of the Theory of Signs
1938-1956			Watson, E.C.	American Physics Teacher/American Journal of Physics, Series of 75 installments	Reproductions of Prints, Drawings and Paintings of Interest in the History of Physics
1939	April	22	Huxley, J.S., C.S. Webb and A.T. Best	<i>Nature</i>	Temporary Poikilotherm in Birds
1939			Watson, E.C.	<i>Osiris</i>	The Early Days of the Academie des Sciences as Portrayed in the Engravings of Sebastien Le Clerc
1940	January		Compton, Karl T.	<i>The Scientific Monthly</i>	Religion in a Scientific Era
1940			Slichter, Charles S.	Science in a Tavern	The Side Shows of Science

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1941	April	1	Slichter, Louis B.	Bulletin of the Geological Society of America	Cooling of the Earth
1942	June	20	Huxley, J.S.	<i>Nature</i>	Degeneration and Relict Adaptation
1943	January	1	Langmuir, Irving	<i>Science</i>	The American Association for the Advancement of Science, Common Sense, and Decency
1943	March	19	Osborn, Henry Fairfield	<i>Science</i>	The New York Zoological Society
1943	March	19	Russell, Henry Norris	<i>Science</i>	Determinism and Responsibility
1943			Wilks, S.S.	Princeton University Press	Mathematical Statistics
1944	January		Birkhoff, George D.	Bulletin of the American Mathematical Society	Edward Burr Van Vleck-In Memoriam
1944	November	14	Polanyi, Michael	Philosophical Society Meeting	Science and the Modern Crisis
1944			Cossar, J., and A. Erdelyi	Admiralty Computing Service	Dictionary of Laplace Transforms, Part I
1945	January		Neugenbauer, O.	Journal of Near Eastern Studies	The History of Ancient Astronomy Problems and Methods (CLOSED: PRESERVATION)
1945	February		Polanyi, Michael	<i>The Scientific Monthly</i>	The Autonomy of Science
1945	April		Wald, Abraham	Annals of Mathematics	Generalization of a Theorem by v. Neumann Concerning Zero Sum Two Person Games
1948				The Sloan-Kettering Institute for Cancer Research	The Weeds and the Grass: Research for the Conquest of Cancer
1949	April		Dingle, Hebert	<i>Science Progress</i>	Science and Professor Bernal
1949	September	30	Planck, Max	<i>Science</i>	The Meaning and Limits of Exact Science
1949	October		Shannon, C.E.	Bell System Technical Journal	Communication Theory of Secrecy Systems
1949	Winter		Dingle, Hebert	Thinker's Digest	The Nature of Scientific Philosophy
1949			Prenant, Lucie	Europe	Louis Rapkine
1950	January	20	Bohr, Niels	<i>Science</i>	On the Notions of Causality and Complementarity
1950	April	9	Hook, Sidney	<i>The New York Times</i>	The Scientist in Politics
1950	April	14	Oppenheimer, Robert		Encouragement of Science
1950	April	21	Rogers, Eric M.	<i>Science</i>	The Chaotic University
1950	April		Bridgman, P.W.	The British Journal for the Philosophy of Science	The Nature of Some of Our Future Physical Concepts

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1950	June		Houston, W.V.	<i>Physics Today</i>	Physics for Adventure
1950	August		Huff, Darell	<i>Harper's Weekly</i>	How to Lie with Statistics
1950	November	2	Fisher, R.A.	Cambridge University Press	Creative Aspects of Natural Law
1950			McCulloch, Warren S.	Tire' de Dialectica	Why the Mind is in the Head?
1951	January		Swann, W.F.G.	Journal of the Franklin Institute	Science Today and Yesterday
1951	May		Huxley, J.S.	<i>Psychiatry</i>	Knowledge, Morality and Destiny
1951	Autumn		Moe, Henry Allen	<i>The Pacific Spectator</i>	The Power of Freedom
1951			Redheffer, R.M.	<i>The Annals of Mathematical Statistics</i>	A Note on the Surprise Index
1952	May			Institute for the Unity of Science (Proceedings of the American Academy of Arts and Sciences)	Contributions, The Analysis and Synthesis of Knowledge
1952	December		Bartlett, M.S.	<i>Biometrika</i>	The Statistical Significance of Odd Bits of Information
1952			Mackay, D.M.	Proc. Arist. Soc. Suppt.	Mentality in Machines
1953	January- March		Bar-Hillel, Yehoshua	<i>Language</i>	A Quasi-Arithmetical Notation for Syntactic Description
1953	March-April		Weis, Paul	Journal of Mount Sinai Hospital	Medicine and Society: The Biological Foundations
1953	May		Swann, W.F.G.	The Journal of the Franklin Institute	Is the Universe Planned?
1953	August	10- 15		<i>Synthese</i>	Proceedings of the Ninth International Significant Summer Conference
1953	September		Brillouin, L.	Journal of Applied Physics	The Negentropy Principle of Information
1953	October		Burks, Arthur W., and Jesse B. Wright	Proceedings of the I.R.E.	Theory of Logical Nets
1953			Harrar, J. George	Oberlin Printing Company	Science and Human Needs
1953			Woodger, J.H.	The British Journal for the Philosophy of Science	What Do We Mean By 'Inborn'?
1954	January	21	Skewes, S.	Proceedings of the London Mathematical Society	On the Difference
1954	April		Bar-Hillel, Yehoshua	<i>American Scientist</i>	Can Translation be Mechanized?

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1954	June		Swann, W.F.G.	Journal of the Franklin Institute	Beauty, the Ideal of the Arts, and the Sciences
1954	July		Tiselius, Arne	Journal of Chemical Study	Some Applications of the Separation of Large Molecules and Colloidal Particles
1954	August		Bush, Vannevar	American Philosophical Society	Scientific Motivation
1954	September	10	Sturtevant, A.H.	<i>Science</i>	Social Implications of the Genetics of Man
1954	October	12	Piel, Gerard	<i>Scientific American</i>	How to Write Science for the Citizen
1954			Tukey, John W.	Journal of American Statistical Association	Unsolved Problems of Experimental Statistics
1955	January	17	Muller, H.J.	<i>Science</i>	Genetics Damage Produced by Radiation
1955	February		Grant, John B.	Journal of Medical Education	Medical Regionalization and Education
1955	March		Pollard, William G.	The Christian Science Scholar	An Inquiry into the Status of Non-Conceptual Experience
1955	April		Bush, Vannevar	<i>American Scientist</i>	Science and Progress
1955	May		Swann, W.F.G.	Journal of the Franklin Institute	The Known and the Unknown
1955	October		Tukey, John W.	<i>The American Mathematical Monthly</i>	Mathematical Consultants Computational Mathematics and Mathematical Engineering
1955	November		Whyte, L.L.	The British Journal for the Philosophy of Science	One-Way Processes in Physics and Biophysics
1955	December		Tukey, John W.	<i>Biometrika</i>	Interpolations and Approximations Related to the Normal Range
1955			Harrison, George R.	<i>The Atlantic Monthly</i>	Albert Einstein
1956	April	18	Laughlin, J.S., and I. Pullman	National Academy of Sciences	Physical Properties of Ionizing Radiations Which Affect the Population of the United States
1956	June		Swann, W.F.G.	Journal of the Franklin Institute	Nature and Mind of Man
1956	September		David, Herbert T.	The Annals of Mathematical Statistics	The Wager Sequential t-Test Reaches A Decision with Probability One
1956	October		Benoit, Emile	Challenge	What's Holding Back Atomic Power?
1956	October		Glass, Bentley	Bulletin of Atomic Scientists	The Hazards of Atomic Radiations to Man: British and American Reports
1956	October		Wheeler, John A.	American Scientist	A Septet of Sibyls: Aids in the Search for Truth
1956	December	3	Brown, Arthur Judson	The Church Peace Union	Address (at the honor of his 100th birthday)
1956	December		Good, I.J.	<i>The Annals of Mathematical Statistics</i>	The Surprise Index for the Multivariate Normal Distribution

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1956	Winter			The Princeton University Library Chronicle	
1956			Slichter, Louis B.	<i>Natural Resources</i>	Some Aspects, Mainly Geophysical, of Mineral Exploration
1956				National Academy of Sciences (National Research Council)	The Biological Effects of Atomic Radiation
1957	March	9	Huxley, J.S.	British Medical Journal	Material of Early Contraceptive Sheaths
1957	March		Anderson, T.W., and Leo A. Goodman	<i>The Annals of Mathematical Statistics</i>	Statistical Inference About Markov Chains
1957	April	9	Von Bertalanffy, Ludwig	The Historical Development of Physiological Thought	Modern Concepts on Biological Adaptation
1957	May		Swann, W.F.G.	Journal of the Franklin Institute	Reality, Imagery and Fantasy
1957	July		Power, Edwin A. and John A. Wheeler	The Review of Modern Physics	Thermal Geons
1957	August			Science and Freedom: A Bulletin of the Committee on Science and Freedom	Apartheid: The Threat to South Africa's Universities
1957	August			World Health Organization	Chronicle of the World Health Organization
1957	August			Society of Friends	An Appeal to Scientists to Consider their Personal Responsibility for the Development of Nuclear Weapons and for Other Applications of Science to Warfare
1957	September	7	Huxley, J.S.	<i>Nature</i>	Three Types of Evolutionary Process
1957	November		Slichter, Louis B.		Mineral Exploration
1957	December			National Council of the Churches of Christ in the United States of America	International Aid and Trade
1957	December			National Council of the Churches of Christ in the United States of America	Some Hopes and Concerns of the Churches in the Nuclear Space Age
1957	December		Wolfowitz, J.	Illinois Journal of Mathematics	The Coding of Messages Subject to Chance Errors
1957			Langer, Rudolph E. and Mark H. Ingraham	National Academy of Sciences	Edward Burr Van Vleck

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1957	Autumn		Kackler	Perspectives in Biology and Medicine	Some Considerations Regarding Biochemical Genetics in Man
1958	January	20-22		United States Government Printing Office	Hearings Before A Subcommittee of the Committee on Government Operations, United States House of Representatives
1958	January		Kiefer, J. and J. Wolfowitz	Transactions of the American Mathematical Society	On the Deviations of the Empiric Distribution Function of Vector Chance Variables
1958	January		Wilks, S.S.	The Mathematics Teacher	New Fields and Organizations in the Mathematical
1958	February	1	Streeter, Edward		Memorandum on Sheldon Pennoyer
1958	March		Wolfowitz, J.	Illinois Journal of Mathematics	An Upper Bound on the Rate of Transmission of Messages
1958	May		H.W. Kuhn and A.W. Tucker	Bulletin of the American Mathematical Society	John Von Neumann's Work in the Theory of Games and Mathematical Economics
1958	May		Good, I.J. and K. Caj Doog	Information and Control	A Paradox Concerning Rate of Information
1958	June	19	Pyke, Magnus	The Listener	The Limits of Science
1958	June	21	Koller, P.C.	<i>Nature</i>	Genetic Aspect of Somantic Cell Variation
1958	June		Wolfowitz, J.	<i>The Annals of Mathematical Statistics</i>	Information Theory for Mathematics
1958	July		Julian Huxley	Evolution After Darwin: The University of Chicago Centennial, University of Chicago Press	The Emergence of Darwinism
1958	July		Muller, H.J.	Bulletin of the American Mathematical Society	Evolution by Mutation
1958	Fall		Barnard, Chester I.	California Management Review	Elementary Conditions of Business Morals
1958	September		Wolfowitz, J.	Illinois Journal of Mathematics	The Maximum Achievable Length of an Error Correcting Code
1958	Autumn		Herrick, C. Judson	Perspectives in Biology and Medicine	Science, Faith and Human Nature

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1958	October			Science and Freedom (A Bulletin of the Committee on Science and Freedom)	
1958	October		Shrader, James Houston. ed.	Religious Inquiry	Exploratory Studies on Emperic Approaches to Religion
1958	November-December		Jones, D.F.	The American Naturalist	Heterosis and Homeostasis in Evolution and in Applied Genetics
1958	December		Kruskal, William H.	Journal of the American Statistical Association	Ordinal Measures of Association
1958			Schinzel, A. and W. Sierpinski	ACTA Arithmetical IV	Sur Les Simmes de Quatre Cubes
1958				United Nations General Assembly	Report of the United Nations Scientific Committee of the Effects of Atomic Radiation
1959	January		Szilard, Leo	Proceedings of the National Academy of Scienes	On the Nature of the Aging Process
1959	January		Schmitt, Francis O.	<i>Modern Physics</i>	Molecular Biology and the Physical Basis of Life Processes
1959	March		Von Bertalanffy, Ludwig	Bulletin of the Menniger Clinic	Some Biological Considerations on the Problem of Mental Illness
1959	March		Goodman, Leo A. and William H. Kruskal	Journal of the American Statistical Association	Measures of Association for Cross Classifications
1959	April		Shrader, James Houston. ed.	Religious Inquiry	Exploratory Studies on Emperic Approaches to Religion
1959	May		Dunham, Charles L.	United States Atomic Energy Commission	Radioactive Fallout: A Two-Year Summary Report
1959	May		Slichter, Louis B.	Mining Congress Journal	Mining Geophysics
1959	June	1		National Association of Science Writers	Newsletter
1959	June	5	Potter, Robert D.	New York Medicine	Medicine and the Press
1959	June	27	Cook, J.W.	<i>Nature</i>	The Role of the Scholar in Society
1959	July		Kendrew, J.C.	Federation Proceedings	Structure and Function in Myoglobin and Other Proteins

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1959	July		Shrader, James Houston. ed.	Religious Inquiry	Exploratory Studies on Emperic Approaches to Religion
1959	September	4	Pierce, J.R.	Science	Freedom in Research
1959	Fall		Committee on Religion and Science	The Satellite	Creation, Evolution and Darwin
1959	October			United States Department of Health, Education and Welfare	Physicians for a Growing America
1959	November	6	Platt, John R.		The Sweep and Excitement of Science
1959	November		Goodman, Leo A.	The American Journal of Sociology	Quantitative Methods for the Study of Identifiability
1959	December	4	Hays, David G., E.K. Renner and D.V. Mohr	The Rand Corporation	Studies in Machine Translation 4: Manual for Pre- Editing Russian Scientific Texts (Revised: 1961 June 15)
1959	December	12	Mcmullin, Ernan	America	Science and the Catholic Religion
1959	December		Goodman, Leo A.	<i>Biometrika</i>	Partial Tests for Partial Taus
1959	December		Menger, K.	Mathematical Gazette	Gulliver in the Land without One, Two, Three
1959	Winter		Kirk, John R.	The Centennial Review	Science and Faith
1959			Bodo, G.	Proceedings of the Royal Society	The Crystal Structure of Myoglobin V. A low-resolution three-dimensional Fourier synthesis of sperm-whale myoglobin crystals
1959			DuBridge, L.A., and Paul Epstein.	<i>Biographical Memoirs</i>	Robert Andrews Millikan
1959			Huxley, J.S.	Collins	Introduction to the Phenomenon of Man
1959				Journal of Molecular Biology	Chemical and Crystallographic Study of the Two Fractions of Adult Horse Hemoglobin
1959				National Academy of Sciences	A Commentary on the Report of the United Nations Scientific Committee on the Effects of Atomic Radiation
1959			Williams, Roger J.		Why Human Genetics?
1960	January	14	Bragg, Sir Lawrence	The Listener	Popularizing Science on Television
1960	January		Neurath, Hans	Archives of Biochemistry and Biophysics	Kaj Ulrik Linderstrom-Lang

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1960	January		Swann, W.F.G.	American Journal of Physics	Certain Matters in Relation to the Restricted Theory of Relativity, with Special Reference to the Clock Paradox and the Paradox of the Identical Twins
1960	February	5	Potter, Robert D.	New York Medicine	The Impact of Medical Reporting on the Public
1960	February	13	Kendrew, J.C., R.E. Dickerson, B.E. Strandberg, R.G. Hart and D.R. Davies	<i>Nature</i>	Structure of the Myoglobin
1960	February	25	Kendrew, J.C.	The New Scientist	The Structures of Haemoglobin and Myoglobin
1960	February		Kruskal, William H.	Technometrics	Some Remarks on Wild Observations
1960	March	5	Blackett, P.M.S.	<i>Nature</i>	Tizard and the Science of War
1960	March		Szilard, Leo	Proceedings of the National Academy of Sciences	The Molecular Basis of Antibody Formation
1960	March			United States Atomic Energy Commission	What's Available in the Atomic Energy Literature?
1960	April	22	Holton, Gerard	<i>Science</i>	Modern Science and the Intellectual Tradition
1960	May			Report of the Committee of Consultants on Medical Research to the Subcommittee on Department of Labor and Health, Education, and Welfare of the Committee on Appropriations United States Senate. United States Government Printing Office.	Federal Support of Medical Research (CLOSED: PRESERVATION)
1960	May		Szilard, Leo	Proceedings of the National Academy of Sciences	The Control of the Formation of Specific Proteins in Bacteria and in Animal Cells
1960	Summer		Kruskal, William H.	AAUP Bulletin	Faculty Size, Minimum Salaries, and Committee Z (and Follow-Up)
1960	Summer			Research Laboratory Bulletin	
1960	July	15	Harper, K.E., D.G. Hayes and B.J. Scott	The Rand Corporation	Studies in Machine Translation 8: Manual for Post-Editing Russian Text

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1960	August		Huxley, J.S.	The Humanist	Science and Human Values
1960	August	8	Morison, Robert S.	<i>Christianity and Crisis</i>	Darwinism: Foundation for an Ethical System?
1960	September	8	Hays, David G.	The Rand Corporation	Grouping and Dependency Theories
1960	September			National Association of Science Writers	Newsletter
1960	October			Science and Freedom: A Bulletin of the Committee on Science and Freedom	Freedom and Efficiency
1960	December	29	Williams, J.D.	Rand Corporation	Toward Intelligent Machines
1960	Winter		Gaffron, Hans	Perspectives in Biology and Medicine	The Origin of Life
1960	December			Science and Freedom: A Bulletin of the Committee on Science and Freedom	
1960	December		Thompson, George	Society for Freedom in Science	The Two Aspects of Science
1960	Winter		Light, Israel	Journalism Quarterly	Science Writing: Status and Needs
1960			Garfield, Eugene ed.	Institute for Information	Index Chemicus
1960				Institute for Scientific Information	Index Chemicus
1960			Jeffries, Zay	<i>Biographical Memoirs</i>	Charles Franklin Kettering
1960			Huxley, J.S.	The University of Chicago Centennial	Evolution After Darwin
1960			Meehan, John	Science News Workshop	Through the Language Barrier
1960			Tribus, Myron	Journal of Applied Mechanics	Information Theory as the Basis for Thermostatistics and Thermodynamics
1961	March	1		American Institute of Physics	Glossary of Terms Frequently Used in Optics and Spectroscopy
1961	March	3	Wheeler, John A.	Geometroynamics	Curved Empty Space-Time as the Building Material of the Physical World: An Assessment (CLOSED: PRESERVATION)
1961	April	15	Bonner, James	<i>The Saturday Evening Post</i>	The Message of Life
1961	May	5	Goldstein, H.H.	<i>Science</i>	Information Theory

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1961	May	19		American Institute of Physics	Glossary of Terms Frequently Used in High Energy Physics (CLOSED: PRESERVATION)
1961	June	17	Astbury, W.T.	<i>Nature</i>	Molecular Biology or Ultrastructural Biology"
1961	Summer			<i>The Key Reporter</i>	
1961	Summer		Kusch, Polykarp	<i>The Key Reporter</i>	Scientists and Laymen
1961	July	7	Wigner, Eugene P.		The Unreasonable Effectiveness of Mathematics in the Natural Sciences
1961	July			Science of Mind	
1961	September	15	Shamos, Morris H.	<i>Saturday Review</i>	Science for Citizens
1961	Fall			Research Laboratory Bulletin	
1961	October		Huxley, J.S.	Perspective	The Coming New Religion of Humanism
1961	November		Sherburne, E.G.	American Association for the Advancement of Science	An Evaluation of Television Film
1961	December		Box, G.E.P., and G.C. Tiao	University of Wisconsin	A Further Look at Robustness via Bayes' Theorem
1961				National Academy of Sciences	Effects of Inhaled Radioactive Particles
1961				National Academy of Sciences	Effects of Ionizing Radiation on the Human Hemopoietic System
1961				National Academy of Sciences	Long Term Effects of Ionizing Radiations from External Sources
1962	January	6	Clarke, Leonard W.	<i>Nature</i>	Science in the Bible
1962	January	20	Lonsdale, Kathleen	<i>Nature</i>	Science and Ethics
1962	January		Huxley, J.S.	New Scientist	His Faith in Human Possibilities
1962	February		Potter, Van R.	Land Economics	Bridge to the Future: The Concept of Human Progress
1962	May	22	Fox, Phyllis	American Institute of Physics	Glossary of Terms Frequently Used in Physics and Computers
1962	August	13		American Institute of Physics	Glossary of Terms Frequently Used in Cryogenics (CLOSED: PRESERVATION)
1962	August	14		American Institute of Physics	Glossary of Terms Frequently Used in Protein Chemistry (CLOSED: PRESERVATION)
1962	August	15		American Institute of Physics	Glossary of Terms Frequently Used in Biology of Nucleic Acids (CLOSED: PRESERVATION)

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1962	August	16		American Institute of Physics	Glossary of Terms Frequently Used in Scientific Documentation (CLOSED: PRESERVATION)
1962	Fall		Wheeler, John A.	University (A Princeton Magazine)	Relativity Today
1962	Fall			Research Laboratory Bulletin	
1962	Autumn		Huxley, J.S.	Perspectives in Biology and Medicine	Book Review of Dobzhansky's Mankind Evolving
1962	November	20		American Institute of Physics	Glossary of Terms Frequently Used in Physics of Oceanography (CLOSED: PRESERVATION)
1962	December		Simon, Herbert A.	Proceedings of the American Philosophical Society	The Architecture of Complexity
1962			Commoner, Barry	Horizons in Biochemistry	Is DNA a Self-Duplicating Molecule?
1962			Hayek, F.A.	History and Theory	Communication
1963	January	22		American Institute of Physics	Glossary of Terms Frequently Used in Space Physics (CLOSED: PRESERVATION)
1963	February	100		<i>Academy Reporter</i>	Academy of Religion and Mental Health
1963	March	19	Usmani, I.H.		Science for Survival
1963	April	26		American Institute of Physics	Glossary of Terms Frequently Used in Biophysiscs (CLOSED: PRESERVATION)
1963	April	27	Piel, Gerard	<i>Scientific American</i>	The Acceleration of History
1963	Summer			Research Laboratory Bulletin	
1963	July			National Academy of Sciences	IQ Bulletin
1963	September		Cassidy, Harold G.	<i>American Scientist</i>	The Muse and the Axiom
1963	September-October			Nuclear Information	War and the Living Environment
1963	November		Sherburne, E.G.	The Science Teacher	Future Citizens of A Scientific Democracy
1963	Winter		Huxley, J.S.	Perspectives in Biology and Medicine	Eugenics in Evolutionary Perspective
1963/ 1964	Winter			Research Laboratory Bulletin	
1963			Hayek, F.A.	Proceedings of the British Academy	Rules, Perception and Intelligibility

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1963				National Academy of Sciences	The Behavior of Radioactive Fallout in Soils and Plants
1963			Potter, Van R.	National Cancer Institute Monograph	Models as Aids to Communication
1963			Ubell, Earl	American Cancer Society	Cancer: Research and Results
1963			Wheeler, John A.	Academic Press Inc.	Absence of a Gravitational Analog to Electrical Charges
1963			Wheeler, John A. and D.R. Brill	Sonderdruck Aus Physikalische Blatter Heft 8	Krumpung der leeren Raum-Zeit als das Baumaterial der physikalischen Welt: Eine Einschätzung
1963			Wheeler, John A.	Philosophy of Science	Science and Survival
1964	February		Coffin, Tristram	Holiday	Leo Szilard: The Conscience of a Scientist
1964	February			<i>Current</i>	
1964	May	5		American Institute of Physics	Glossary of Terms Frequently Used Concerning Lasers (CLOSED: PRESERVATION)
1964	May	28	Slichter, Louis B.		Detection of a Signal of Limited Duration in the Presence of Noise
1964	Summer			Research Laboratory Bulletin	
1964	August		Potter, Van R.	Cancer Research	Biochemical Perspectives in Cancer Research
1964	September	25	Gruenberger, Fred J.	<i>Science</i>	A Measure for Crackpots
1964	September	30		Science Fortnightly	Theory of DNA in Heredity is Modified
1964	October	6		American Institute of Physics	Glossary of Terms Frequently Used in Quantum Mechanics (CLOSED: PRESERVATION)
1964	November	20	Potter, Van R.	<i>Science</i>	Society and Science
1964	November	23	Dulbecco, Renato	Journal of the American Medical Association	Transformation of Cells in Vitro by DNA-Containing Viruses
1964	December	6		Memorial Service	John Davis Williams
1964			Beadle, George W.	Encyclopedia Britannica	The New Genetics
1964			Bendich, Aaron	Encyclopedia Americana	Nucleic Acid
1965	February		Helmer, Olaf	The Rand Corporation	Social Technology
1965	February	8	Potter, Van R.	<i>The Nation</i>	Council on the Future
1965	April		Cohen, H. and S.I. Rubinow	System Theory	Some Mathematical Topics in Biology

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1965	May		Dulbecco, Renato	American Journal of Medicine	Characteristics of Virus-Cell Complexes
1965	Summer			Research Laboratory Bulletin	
1965	October		Ingle, Dwight J.	The Pharos of Alpha Omega Alpha	Living Philosophy: Evolution as a Parameter of Existence
1965	Winter		Kruskal, William H.	The Centennial Review	Statistics, Moliere and Henry Adams
1965			Rosenblith, Walter A. and Norbert Wiener	The Journal of Nervous and Mental Disease	Norbert Wiener
1966	February		Stumpf, Samuel Enoch	Annals of Internal Medicine	Some Moral Dimensions of Medicine
1966	Spring			Chicago Today. The University of Chicago	
1966	May		Townes, Charles H.	The Technology Review	The Convergence of Science and Religion
1966	July	25-27		Hearings Before the Subcommittee on Government Research of the Committee on Government Operations (United States Senate). United States Government Printing Office	Equitable Distribution of R&D Funds by Government Agencies
1966	November	10	Hartley, Sir Harold	Proceedings of the Royal Society	John Dalton, F.R.S. (1766-1844) and the Atomic Theory: A Lecture to Commemorate his Bicentary
1966			Manglesdorf, Paul C.	The American Philosophical Society	Henry Agard Wallace
1966				National Academy of Sciences	Physics: Survey and Outlook (CLOSED: PRESERVATION)
1967	January	28		American Institute of Physics	Glossary of Terms Frequently Used in Relativistic Astrophysics (CLOSED: PRESERVATION)
1967	January	29	Morgan, Karl Z.	Presented at St. John's Lutheran Church, Knoxville, TN	Conflict Between Science and Religion
1967	January		Jacobson, Cecil B. and Valerie L. Magyar	AAUW Journal	Toward a Better Tomorrow
1967	March		Riddle, Oscar	Zygon (Journal of Religion and Science)	The Emergence of Good and Evil

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1967	April	17	Holland, James F.	Journal of the American Medical Association	The Kerbiozen Story: Is Cancer Quackery Dead? (CLOSED: PRESERVATION)
1967	April	18		American Institute of Physics	Glossary of Terms Frequently Used Concerning Noise Pollution (CLOSED: PRESERVATION)
1967	April			<i>Scientist and Citizen</i>	
1967	August / September			<i>Scientist and Citizen</i>	
1967	September			<i>Medical Affairs</i>	Moral Issues Relating to the Use of Humans and Animals in Research
1967	October	24	Piel, Gerard		The Common Sense of Mr. Conant
1967	October			<i>Scientist and Citizen</i>	
1967	October	11		Hearings Before the Subcommittee on Government Research of the Committee on Government Operations (United States Senate). United States Government Printing Office	An Inventory of Congressional Concern with Research and Development
1967			Brooks, Harvey	Problem of Science Policy: Seminar at Jouy-en Josas on Science	Can Science be Planned?
1968	February			Science Policy Bulletin	
1968	March	4	Weinberg, Alvin M.		Social Stress, Think Tanks, and Universities (Revised: 1969 January 30)
1968	March	27	Burr, George L.		As I See It
1968	March		Fox, William T.R.	<i>International Studies Quarterly</i>	Science, Technology and International Politics
1968	April			<i>Scientist and Citizen</i>	
1968	June/July			<i>Scientist and Citizen</i>	
1968	August			<i>Scientist and Citizen</i>	
1968	September			<i>Scientist and Citizen</i>	
1968- 1969	Autumn- Winter		Weinberg, Alvin M.	<i>Minerva</i> : A Review of Science, Learning, and Policy	Scientific Choice and the Scientific Muchrakers: Review Article
1968	October			<i>Scientist and Citizen</i>	

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
1968	November	22		National Academy of Sciences	The Mathematical Sciences: A Report
1968	December			<i>Scientist and Citizen</i>	CLOSED: PRESERVATION
1968				National Science Foundation	Federal Funds for Research, Development, and Other Scientific Activities
1969	September	17	Seaborg, Glenn	U.S. Atomic Energy Commission	The Place of Values in a World of Facts
1969	October		Monod, Jacques	The Salk Institute	From Biology to Ethics
1970	February		Hirsch, Jerry	Seminars in Psychiatry	Behavior: Genetic Analysis and Its Biosocial Consequences
1970			Bronowski, J.	<i>Synthese</i>	New Concepts in the Evolution of Complexity
1970			Longuet-Higgins, H.C., D.J. Willshaw and O.P. Buneman	Quarterly Review of Biophysics	Theories of Associative Recall
1972	March	13	Salk, Jonas		Basil O'Conner
1972	March		Wallis, W. Allen		Leonard Jimmie Savage
1972	November	29-39	Sherburne, E.G.		Problems, Publics, and Stages of Development in Public Understanding of Science
1972			Harrar, J. George	<i>Year Book</i> of the American Philosophical Society	Raymond Blaine Fosdick
1973	January			Harvard University	Program on Public Conceptions of Science
1973	April		Flanders, Harley	<i>The American Mathematical Monthly</i>	The Mathematical Association of America
1973	October			Harvard University	Program on Public Conceptions of Science
1973	December	31		American Philosophical Society	Symposium on Copernicus
1974	June			National Academy of Sciences	Science and Technology in Presidential Policy Making
1975	February		McConnell, R.A.		ESP and the Physics of the Next Decades
1975			McConnell, R.A.		An Evidential Bibliography of Parapsychology
1975			McConnell, R.A.		A Sociological Bibliography of Parapsychology
1977			Present, Gerald (ed.)	American Institute of Physics	Physics News in 1977
1979			J. George Harrar	<i>Year Book of the American Philosophical Society</i>	Warren Weaver
1987			Rees, Mina	<i>Biographical Memoirs</i>	Warren Weaver

Series 12 Reprints Index: Works by Others

Year	Month	Day	Author	Publisher/Publication	Title
				<i>Life</i>	DNA's Code: Key to All Life
			Johnson, D. Gale		The Conquest of Hunger
			Holter, H.	Comptes Rendus Des Travaux du Laboratoire Carlsberg	K.U. Liderstrom-Lang
			Kusch, Polykarp	Unpublished (1960s)	The Interdependence of Science and the Mass Media
			Maugh, Thomas H.	American Association for the Advancement of Science	Energy: A Glossary
			Piel, Gerard	<i>Scientific American</i>	Federal Funding of Science and the Autonomy of American Universities: A Constitutional Paradox
				United States Department of Health, Education and Welfare	Alcohol and Alcoholism
			Shannon, C.E. and J. McCarthy	<i>Automata Studies</i>	
			Tribus, Myron		Teaching Statistical Mechanics to Third-Year Students
			Tribus, Myron		An Examination of Information Theory

Warren Weaver Papers

Series 13: Photographs and Special Formats

Extent: Collection consists of 35mm kodachrome slides, silver gelatin prints, color prints, nitrate sheet film negatives, 35mm nitrate and acetate roll film negatives, and 35mm color negatives. The total number of items in all formats for this collection is 10,253.

Collection Scope: Family photographs, Photographs taken during numerous trips to foreign countries, Landscape/Botanical interests, Group and individual portraits of the American Association of Mathematicians, dating from 1926 to the mid 1930's, and Publicity photographs of Warren Weaver.

The family photographs date predominantly from the early 1920's through the 1950's, and are mostly of the Weaver children at various ages, family groups, holidays, graduations, weddings, vacations, and the construction of their house at Second Hill in the 1950's. WW seems to have had a particular interest in landscapes, and flower gardens. A large amount of the images dating from the mid 1960's to the late 1970's focus on nature scenes, gardens, and roses in particular. There is a vast amount of material taken during trips to Europe, Mexico, and Asia, dating from the late 1930's through 1968. Subjects of these images include architecture, historic landmarks, landscapes, cityscapes, and genre scenes.

Inventory: The following lists by format, and then by box all photographic materials received in this accession. Labels from packaging or notations that can serve as identifiers have been used whenever possible. The number of items in an envelope, and the total for each format is listed with the entry. Spelling errors have been retained.

Related Materials: Rockefeller Foundation Photographs, 100 Portraits.

Source of Acquisition: Accession 2001:015

Finding Aid Preparation: Finding Aid for Series 13 prepared by RAC Archivist Larissa Woo, June 6, 2001.

Warren Weaver Papers

SLIDES (90% are Kodachromes)

Total 1533

Box 1 (Record Carton)

10 Automatic Slide Changers

1. #2 Japan, 1955	35
2. #3 China, Thailand, Indonesia, 1955	34
3. #4 Cyprus, 1955	36
4. #5 Israel, 1955	36
5. AF#2 Africa	33
6. AF#1 Africa	36
7. AF#3 Africa	36
8. AF#4 Africa	36
9. AF#5 Africa	28
10. Garden 1955 to Barb, Pat, WW	36

4 Hinged Slide Boxes

1. #1 Yellowstone 1937, Europe 1938, Candlewood 1939 #3 McArthur 1951, Mexico with Mary, Rio 1952,	149
2. #2 1939-1950 Color (label detached is inside box) Christmas 1939, 1949; Travel to Europe and Mexico, 1946, 1949	200
3. September 1953-1954 Trip Around the World	280
4. February 1952-September 24 th 1953 and Family Photos 1951, 1952, 1953	350

5 Small Slide Boxes

1. June 1958 Gardens, Floral Still-life,	9
2. Unlabelled Gardens, winter landscapes, children	20
3. Taken by Bill Helm, May 1967. WW at Sloan Foundation	13
4. Africa – West Coast January 1957	30
5. Unlabelled Houses, Landscapes	6

9 Paper Envelopes

1. #5 August 1961 Tokyo and Train to	19
2. #6 August 1961 Kyoto	19
3. #14 September 1961 Florence	12
4. #19 September-October 1961, Rome B (Apian Way), Naples	20
5. #20 October 1961 Amalfi Drive, Rome C	23
6. #21 October 1961 Rome C, Paris	19
7. Unlabelled Envelope (flowers, gardens)	4
8. Unlabelled Envelope (landscapes, 1 of a child)	8
9. Unlabelled Envelope (house, landscapes)	6

Warren Weaver Papers

Loose Photographs (Silver Gelatin DOP's)	Total 485
 Box 2 (Flat 14x16" drop front)	
American Mathematical Society and Mathematical Association of America c.1926-1936	18
Group Portraits 14 (many panoramics)	
Individuals 4	
 Box 3 (Flat 8x10" clamshell)	
Judea, India	75
India with JG Harrar in 1952, JG Harrar with WW	
Europe and Mexico	106
Mexico c. 1949	21
Snapshots, genre scenes	
Europe 1950, Colombia 1951	31
Kodachrome prints (color)	
Africa, Mexico, Turkey	56
Italy, Venice (color)	13
 Box 4 (flat 8x10" clamshell)	
Odd portraits (square)	2
Aerials/ Planes and flight views	8
Astronomical	7
Mt. Wilson Observatory, 1919, and 4 color of constellations and stars (n.d.)	
Publicity Photographs of Warren Weaver	33
Most by Harold Haliday Costain	
Includes, Contact sheets, and 9 negatives	
Dinners, Awards, Event Photographs 1946-1965	38
Includes Civilian Naval Advisory Committee, Union Club, Universities (Dartmouth college, University of Chicago), 2 with autographs	
 Box 5 (flat 9x12" clamshell)	
Warren Weaver to Mexico 1952	38
Agricultural meetings, Politicians, J. G. Harrar, and others, Field stations and laboratories	
Associates and Warren Weaver with others	10
3 with J. Maier October 6, n.y., 2 signed	
Used in the J. G. Harrar retirement album	7
Proofing Marks, glued to paper	
Envelope "Hold – Glossy Print suitable for reproduction"	3
Portraits of WW	
Envelope "Mexico January 1949"	13
Studio Mounted Photographs	6
Harrar [?], unidentified, group photos, possibly India	

Warren Weaver Papers

Negatives – Sheet Film (nitrate based film pack unless otherwise noted) **Total 420**

c.1920 – 1940. Images of Weaver Family, Children, Recreation (sports, playing, fishing, camping), children as infants and toddlers, informal group photographs, landscapes, homes, automobiles, env. 8 and 9 contain images of logging camps, cities, marinas, large rivers, and steamboats.

Box 6 (Grey Shoe Box)

Negative Album	66	
Commercial Envelopes		
1. “Films made from poor color pictures – Mexico 1949	22	acetate
2. AGFA – June 8, 1928	10	
3. AGFA – June 14, 1927	19	
4. AGFA – June 16, 1931	12	
5. Kamera Kraft Shop	9	
6. The Photoart House	13	
7. No. 5225	19	
8. Photoart house (136, 990 in upper corner)	14	
9. Photoart house (remember the day..)	4	
10. Girard Photo co.	23	
11. AGFA – July 7, 1931	1	
12. U. of Wisconsin envelope	2	
13. Photoart House	10	
14. Photoart House	5	
15. H. J. Kingsbury	7	
16. “Gr[an]t Adams Hall”	9	
17. Your Kodak prints	12	
18. Kamera Kraft	9	
19. Photoart House	8	
20. 100,000 in prizes	12	
21. A. J. Kingsbury	9	
22. Photoart House - 2930	7	
23. Photoart House - 2657	13	
24. Frank W. Preston	41	
25. August 31, 1921	8	
26. University of Wisconsin	3	
gelatin dry plate in this envelope	1	
27. Share the Fun	5	acetate
28. Loose	47	
(Transferred to two envelopes marked loose photos 1 and 2)		

Warren Weaver Papers

Black and White – cut roll films

Total 513

(Unless otherwise noted count indicates number of 35mm frames)

Stationary Envelopes

1. Europe – Sept. Oct. 1966 #1	23
2. Europe – 1966 #2	20
3. Europe – 1966 #3	28
4. Europe – 1966 #4	16
5. Europe – 1966 #5	24
6. Europe – 1966 #6	22
7. Europe – 1966 #7	18

Images of Amsterdam, Edam Volendam, Milan, Alps, Villa Serbelloni, Villa Melzi, Villa Paradiso, Devils Point, Bellagio, Villa d'Este, Rome, Vurena, Venice, genre, cityscapes, streetscapes, architecture, art, sculpture, monuments.

Stationary Envelopes

1. August 1961 Kyoto and Hong Kong #7	24
2. August 1961 Hong Kong and Philippines #8	22
3. 1961 Philippines and Bangkok #9	24
4. 1961 Bangkok, Delhi, Rome #10	22
5. 1961 Rome A, Villa S. #11	20
6. 1961 Villa S. #12	28
7. September, 1961 Villa S., Florence #13	24
8. August 1961 Honolulu #1	23
9. August 1961 Honolulu and Nikko #2	23
10. August 1962 Nikko #3	22
11. August 1962 Nikko #4	22
12. September 1961 Florence #15	22
13. September 1961 Florence #16	16
14. September 1961 Florence, Rome B (Tivoli) #17	23
15. September 1961 Rome B (Forum, St. Peters) #18	23
16. December 1962 Paris, Spring hill, Second Hill #22	21
17. 1 loose strip (transferred to acid free envelope)	3

Warren Weaver Papers

Color – Cut roll films

Total 783

Commercial Envelopes – strip negatives and photos

(count of 35mm frames first column, count of prints, if any, second column)

1. Color photos Feb 1963	11	
2. Villa Serbelloni	23	23
3. Unlabelled	3	
4. Loose WW and Wife in gondola, Venice	1	
5. 1970 Second Hill	15	
6. January 4, N. Y. – Second Hill	20	
7. June 19, 1974 – Second Hill		16
8. Pink Envelope (WW portrait)	1	
9. Venice 1966, Snow, New Milford Conn. March 1967	23	8
10. Unlabelled (Sally on Mother's back)	1	
11. New Orleans 1962	19	16
12. Self 1958, spring 1965, Roses 1964	3	16
13. WW portrait	1	1slide
14. Self 1958	11	
15. Unlabelled	2	
16. Christmas 1970	20	6
17. May 1972	22	
18. Unlabelled	13	13
19. Summer/Fall 1975	16	16
20. MHW and roses spring 1975	3	
21. June 1975	18	12
22. May/June 1975	6	15
23. Roses 1964, spring 1965	20	
24. Loose (transferred to acid free envelope) January 1963		14
25. Unlabelled envelope	18	18
26. January 27, 1962	20	20
27. Fall color 1962, La Jolla February 1963	22	
28. La Jolla February 1963	23	
29. Simpson studio and Camera Shop	12	
30. April 1 1966 – WW, Dusty Miller, Leo Bakeman, Eisenhower?		1
31. July 1952 – Construction of house at S. Hill		37
32. September 1962		8
33. Unlabelled envelope		23
34. Last of Serbelloni Spring-fall 1969	20	
35. Postcard – Banegaarden of Faergelejet		1
36. McArthur 1951 Reception in NYC NYC tickertape parade		7
37. July-August 1967	20	20
38. April 1967	34	34
39. August 1966	18	
40. WW at Sloan Kettering Office, by Bill Helm 1967 12prnts + 7 slides		

Warren Weaver Papers

Black and White Roll film – Processed, Uncut

Total 6519

(1-5 are nitrate-based films, 6-8 are acetate, with a few exceptions noted, all 35mm roll films, unless noted. Contact prints indicated by “+ prnts”)

Box 7 (Record Carton)

1. Leica Films #1 Europe, summer 1932 768 fr.
 1. Trial Film 61 Bwy, 1136 5th Ave.
 2. Munich
 3. Salsburg
 4. Vienna
 5. Austrian Tyrol Grz
 6. Venice
 7. Venice
 8. Venice
 9. Rome
Pompei (missing)
 11. Warick
 12. Kennilworth, Stratford
 13. Oxford
 16. Hampton Ct., Windsor, Stoke Pages
 10. Cambridge, Ely (Pension)
 14. London, Oxford
 15. Changing Guard, Kensington
 17. Tower of London, Helen (St. Cloud), Nip and Phillip
 18. Stratsbourg
 19. Heidleberg
 20. Gottingen, Elsinore, Amsterdam (plane)
 21. Holand, Belgium
 22. Monastery at Lourain, Helen (St. Cloud)
 23. Eifle Tower, Guignol, Pension
 24. Pension, Park, St. Cloud

2. Leica Films #2 Summer 1932, Europe and 1933 660 fr. + 99 Prnts.
 25. Fontainbleu, Barbizon, Paris Pension
 26. Helen (St. Cloud)
 27. Cluny, Champlain, 19 Woodland Pl., Parfrey's Glen
 28. Helen (19 Woodland Pl)
 29. Mary and Helen (19 Woodland Pl.)
 30. Trip to Europe 1933, S. S. Gripsholm
 31. Oslo, Stockholm
 32. Abo, Helsingfors, Reval
 33. Danzig, Konigsberg, Warsaw
 34. 160 Brite, Lower Manhatten
 35. Berlin, Leipzig, Dresden
 36. Prague
 37. Budapest, Zagreb
 38. Munich-Innsbruch

Warren Weaver Papers

39. Innsbruck
40. Interlaken
41. Trip home on Washington June 1933 Helen in sand box
42. Seattle, October, Washington, Oceanographic and Friday Harbour
43. San Francisco, Berkely, Gulls, Leake children
44. Carmel, R. H. Hunts, Palo Alto, Stanford

Contact rolls for #30, 32, 38

3. Leica Films #3 Christmas 1933 to May 1935 Total 411 +379prnts
 45. Christmas 1933
 46. Pouring 200, Nip's School Spring Festival June 1934
 47. Aelen, Ithaca
 48. Mary – Nip Kingswood Camp July, 1934
 49. Kingswood, Dartmouth, Fire Island
 50. Fire Island, Helen, Maine Houses, Kingswood August 1934
 51. Mary, Kingswood, Waquoit, August 1934
 52. Waquoit, Forrest Hills, Rock. Center
 53. January 1935, Helen in snow, Christmas, Helen DressingCopies of portraits of Mary, Helen, Nip
54. Sailing Europe April 22, 1935, Ireland
55. Ireland, London Jubilee
56. Cambridge, Edinburgh

Contact rolls for #45,46,47,48,49,50,51,52,53,55,56,57

4. Leica Films #4 May 1935 to April 1937 Total 358 + 358prnts
 57. Stockholm, Paris (tennis) en route Roscoff
 58. Mont St. Michel, Qimper, Chateaux
 59. Chateaux
 60. Chateau Jacques Coeur, Geneva, Valley of Marne, French circus
 61. French Circus, Paris, Le Harre, Grandma H.
 62. Grandma H., Wildcat Mt. Picnic, Untermeyer gardens
 63. Helen snow, winter 1935-1936, Helen swing, Princess Costume May 1936
 64. Helen, Helen and Janet, Mary, Nip, Helen, Helen, Josephine, Mary Helen
Nip, WW, March 1936
 65. Crossing on with RJH, Plymouth, England May 1936
 66. Wimbledon, Oxford, Thames
 67. Thames, Harwich, Esjberg, Copenhagen, Stockholm
 68. Stockholm, Helen, Nip

Contact rolls for all 12 rolls

Warren Weaver Papers

5. Leica Films #5 May 1937 - Total 429 + 393prints
70. Carter's Grove, Westover, Shirley, Virginia May 1937
71. Mountain Lake, Natural Bridge, Virginia May 1937
72. Bill Astbury June 1937, Blue Mounds, Tennis Madison, Tower Hill Park July 1937
73. Aunt Mary, Junction City, July 1937
74. Bertoud Pass, Grand Lake, Rocky Mt. Nat. Park
75. Rocky Mt. Nat. Park, Laramie, Medicine Bows, July 1937
76. Bad Lands, Jones Beach, Huegels, Sept. 1937
77. Cambridge, Southampton, Aquitania, Feb. 1938
78. Candlewood August 1938, Christmas 1938, Nip in ski suit, 160 Brite
79. Cottage Building, Staking out 1-10 March 25, Holes dug April
80. Cottage 1-13 May 10, July 1939
81. Candlewood July-August 1939, Fort Ticonderoga, Cicely, Family reunion
82. Candlewood September 1939, Helen driving (acetate)

Contact rolls for #70,71,72,73,74,75,76,77,78,79,80,81

6. Leica #6 Fall 1943 to Sept 1946 (acetate) Total 227 + 185 prints
1. Copies of family portraits (Costain) fall 1943
2. October 1943, Nips Graduation, Amherst, Helen and Nip at 160 Brite
4. May 1944, Helen and Brownie in backyard, 160 Brite, visiting British Sailors
6. October 1943, Deer Hunting, Northern Wisconsin
8. Spring 1945, Nip home from first trip on DE-172, Helen and Brownie
10. Sept. 1946, Mexico
12. Copies of Nips Pictures in Uniform (Costain)
7. Wood Box #7 September 1946 to July 1952 (acetate) Total 781 + 700prints
1. Sept-Oct, 1946 Mexico – 2nd film (see case #6)
2. Sept-Oct, 1947 Mexico **EMPTY**
3. Sept-Oct, 1947 Xochimilcho-Mexico City, Market, cathedral-Tegucigalpa
4. Sept-Oct, 1947 Popinoes, Turrialba, Medellin
5. Sept-Oct, 1947 Medellin to Cali-Bogota-B'quilla-en route Caracas
6. Sept-Oct, 1947 Caracas-Trinidad-Belem-Rio-Sao Paulo
7. Sept-Oct, 1947 Sao Paulo, Rio, return flight. X'mas and blizzard Dec. 1947
8. 1948 Easter, 160 Brite – Poitras' in July
9. 1949 Late spring and summer – 2nd hill, New Mexico, Colorado
10. 1950 May – Europe with GRP-Depart, at sea, North England
11. 1950 Dublin, London, Channel, Brussels
12. 1950 Belgium, Paris, Switzerland
13. 1950 June-July Beginning of Garden House: Nip and Barb at 160 Brite
14. 1950 July –Garden House-Oberlin on way to Nip's wedding-Garden House
15. 1950 August-2nd Hill-Bakeman-Boynton picnic in Essex
16. 1951 February Medellin, Colombia
17. 1951 Friday, Nov. 23 – Carolyn 2wks old
18. 1952 January – Mexico –Chapingo-Acapulco
19. 1952 February Beirut

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20. 1952 February Delhi
21. 1952 February Etowah-Delhi-Bombay
22. 1952 March Istanbul
23. 1952 March-April Rio-Staking out new house
24. 1952 May 2nd hill-June Helen's Grad. July, 2nd Hill
3 five-frame strips – Copy of Helen's ...picture Christmas 1947 (15)

Contact prints for #1,3,4,5,6,7,8,10,11,12,14,15,16,17,18,19,20,21,22,23,24

8. Rolls in Containers from little yellow box (acetate) Total 395 + 272prints
 1. New House, Late August 1932
 2. New House, early September
 3. July 17, 1952, Barb and Carolyn at Posey's house
 4. August 26, First film of Helen's wedding
 5. August 27, second film of Helen's wedding
 6. August 27, third film of Helen's wedding
 7. Early September 1952, new house
 8. October 18, 1952, first night at 2nd hill
 9. Thanksgiving 1952, 2nd Hill – Carolyn
 10. Christmas and New Years 1952-1953
 11. 2nd Hill from village, etc. March 1953
 12. Shad- before and after planting shrubs April-May
 13. Christmas 1953
 14. Snow and House 1954
 15. Snow and House 1954 (few, but better)
Loose, no label

Contact prints #1,2,7,8,9,10b,11b,12b,13b,14,15

9. Eaton's Mayfair Box – negs and contact prints Total 46 + 58prints
 1. roll 35mm (acetate) 13fr.
 2. loose films (nitrate) 10
 3. roll 35mm (acetate) Sally and Carolyn 1956 23fr.
 4. contact prints 58