
Marvin L. Goldberger Papers

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Descriptive Summary

Languages: English

Contributing Institution: Special Collections & Archives, UC San Diego

9500 Gilman Drive

La Jolla 92093-0175

Title: Marvin L. Goldberger Papers

Creator: Goldberger, Marvin L.

Identifier/Call Number: MSS 0793

Physical Description: 4.8 Linear feet(12 archives boxes)

Date (inclusive): 1945 - 2012

Abstract: Papers of Marvin Leonard "Murph" Goldberger, a particle physicist who worked on the Manhattan Project, the fifth president of the California Institute of Technology (Caltech), and a founding member and chairman of the JASON group of scientists. Goldberger served on the faculty of UC San Diego from 1993 until his death in 2014.

Related Materials Note

Marvin L. Goldberger Papers (10090-MS). California Institute of Technology.

The CalTech papers include personal and general correspondence, documents relating to the administration of Caltech and the Jet Propulsion Laboratory (JPL), papers concerning professional societies, government and civic affairs, arms control, human rights, and a small amount of biographical material.

Biography

Marvin Leonard "Murph" Goldberger was born in Chicago, Illinois on October 22, 1922. He attended the Carnegie Institute of Technology in Pittsburgh (now Carnegie-Mellon University) where he received his bachelor's degree in 1943. For the next three years he served in the U.S. Army while attending graduate school, primarily in the theoretical physics division of the Metallurgical Laboratory at the University of Chicago, where he worked on the Manhattan Project during World War II. Goldberger was closely associated with Nobel Laureate Eugene P. Wigner and was a member of the Wigner's team of scientists who did the principal work for the great atomic (Production Reactor) Pile Design at DuPont and Hanford in Washington.

While at the University of Chicago, Goldberger met his future wife, Mildred Ginsberg, also a mathematician and physicist working on the Manhattan Project. Goldberger received his PhD in physics in 1948 under the mentorship of another Nobel Laureate, Italian physicist Enrico Fermi.

Goldberger joined the faculty at the University of Chicago and taught physics from 1950 through 1957. He eventually left to teach physics at Princeton University from 1957 to 1977. In 1978 he was appointed President of Caltech, where he served for the next decade. He later returned to Princeton to serve as the director of the Institute for Advanced Study from 1987 to 1991.

Goldberger joined the University of California system in 1991, first as a professor of physics at UCLA then joining UC San Diego in 1993 as a professor of physics, as Dean of the university's Division of Natural Sciences until 1999, then as professor emeritus until his death in 2014.

In addition to his long and illustrious teaching career, Goldberger was a co-founder of JASON, an elite group of scientists who worked for the Department of Defense and other agencies of government concerned with nuclear arms control efforts. He served as the chairman of JASON from 1960 through 1966.

Goldberger also served as an adviser to various presidents. During the late 1960s he was chairman of the Strategic Military Committee of the President's Science Advisory Committee (PSAC). He served as a member of the United States-People's Republic of China Joint Commission on Scientific and Technological Cooperation and was the chairman of the National Academy of Sciences' Committee on International Security and Arms Control. He was elected to the National Academy of Sciences and was named a Fellow of the American Physical Society, the American Association for the Advancement of Science and was chairman of the Federation of American Scientists.

Goldberger passed away on November 26, 2014.

Preferred Citation

Marvin L. Goldberger Papers. MSS 793. Special Collections & Archives, UC San Diego.

Acquisition Information

Acquired 2017

OFF-SITE STORAGE

COLLECTION STORED OFF-SITE. ALLOW ONE WEEK FOR RETRIEVAL OF MATERIALS.

Publication Rights

Publication rights are held by the creator of the collection.

Scope and Content of Collection

Papers of Marvin Leonard "Murph" Goldberger, a particle physicist who worked on the Manhattan Project, the fifth president of the California Institute of Technology (Caltech), and a founding member and chairman of the JASON group of scientists. Goldberger served on the faculty of UC San Diego from 1993 until his death in 2014. Most of the collection consists of Goldberger's notebooks and lecture notes relating to particle physics, quantum mechanics and other courses he taught at the University of Chicago, Princeton University and UC San Diego. Also included is a small selection of materials relating to Goldberger's involvement with the JASON group of scientists, and articles and op-ed columns by his wife, Mildred Goldberger.

Arranged in six series: 1) BIOGRAPHICAL, 2) CORRESPONDENCE, 3) WRITINGS BY GOLDBERGER, 4) JASON MATERIALS, 5) NOTEBOOKS AND LECTURE NOTES, and 6) MILDRED GOLDBERGER WRITINGS.

Subjects and Indexing Terms

Physicists -- United States

Particles (Nuclear physics) -- Research

Quantum theory

Physics -- Study and teaching

Goldberger , Marvin L. -- Archives

Goldberger , Mildred, 1923-2006

JASON Defense Advisory Group

BIOGRAPHICAL

Scope and Content of Series

Series 1) BIOGRAPHICAL MATERIALS: Includes materials about Goldberger's life documenting his time as President of Caltech, his years on the faculty of Princeton University, and an article entitled "A Life in Particle Physics," by theoretical physicist Sam Bard Treiman, who derived the Goldberger-Treiman relation with Goldberger. These materials range in date from 1948 to 1987.

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|-----------------|---|
| Box 1, Folder 1 | "Big Man on Campus" - Editorial about Goldberger leaving Caltech in Star-News 1987 June 12 |
| Box 1, Folder 2 | The Chairman: A Happening in One Act - Princeton University play written for and performed on the occasion of Goldberger's farewell dinner 1978 June |
| Box 1, Folder 3 | Convocation program for The University of Chicago 1948 September 2 |
| Box 1, Folder 4 | Fifteen Years in the Life of Dispersion Theory - Talk by M. L. Goldberger 1969 |
| Box 1, Folder 5 | GM and MG - Talk by Goldberger about his time on the board of General Motors undated |
| Box 1, Folder 6 | "A Life in Particle Physics" by Sam Bard Treiman 1996 |
| Box 1, Folder 7 | "Princeton's Man of the Week - Marvin Leonard Goldberger" - Article in Princeton University newspaper 1970 July 2 |
| Box 1, Folder 8 | Sanity, Science, and Survival: A Conversation with Marvin L. Goldberger 1984 |
| Box 1, Folder 9 | "Staying Alive" by Mark Davidson 1983 November 18 |

CORRESPONDENCE

Scope and Content of Series

Series 2) CORRESPONDENCE: Includes a small selection of letters to Goldberger including some Caltech correspondence, and General Motors correspondence while Goldberger was on the Board of Directors in the 1990s. Correspondence ranges in date from 1954 to 2012.

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|------------------|--|
| Box 1, Folder 10 | Avery, R. Stanton (chairman of the board of trustees, Caltech) 1954, 1978 |
| Box 1, Folder 11 | Caltech 1978-1994 |
| Box 1, Folder 12 | Deitchman, Sy undated |

Box 1, Folder 13	Garwin, Richard L. 2008, 2012
Box 1, Folder 14	General Motors (John Smale and Robert C. Stempel) 1991-1992
Box 1, Folder 15	General Motors 1990-1992
Box 1, Folder 16	Noel-Baker project correspondence 2004-2005
Box 1, Folder 17	Panofsky, Wolfgang K. H. - Stanford Linear Accelerator Center (SLAC) 1986 October
Box 1, Folder 18	Reagan, Nancy. Copy of letter to George Shultz regarding President Ronald Reagan's thoughts on nuclear disarmament 2007 October
Box 1, Folder 19	Letters of condolence regarding the passing of Mildred Goldberger 2006-2007
Box 1, Folder 20	Miscellaneous correspondence 1978-2008

WRITINGS BY GOLDBERGER**Scope and Content of Series**

Series 3) WRITINGS BY GOLDBERGER: Includes a selection of typescript drafts and reprints of his scientific papers, often co-written with other physicists, many of which were published in prominent scientific journals. Arranged in alphabetical order by title. Writings range in date from 1946 to 1999.

Box 1, Folder 21	Amelioration of Divergence Difficulties in the Theory of Weak Interactions, by Murray Gell-Mann, M. L. Goldberger, Norman M. Kroll and Francis E. Low 1968 August 5
Box 1, Folder 22	Draft article about Caltech undated
Box 1, Folder 23	Asymptotic Behavior of Mandelstam Wight Functions in Potential Scattering and in Field Theory undated
Box 1, Folder 24	Behavior of Scattering Amplitudes at High Energies, Bound States, and Resonances, by R. Blankenbecler and M. L. Goldberger 1962 April 15
Box 1, Folder 25	A Bound State Model of Weak and Strong Interactions, by C.H. Albright, R. Blankenbecler and M. L. Goldberger undated
Box 1, Folder 26	Causality Conditions and Dispersion Relations II: Fermion Fields, by M. L. Goldberger and R. Oekine undated
Box 1, Folder 27	Chapter I - The Notions of State, Picture, Identity and Relativistic Invariance, typescript draft undated
Box 1, Folder 28	Chapter VIII - Special Functions, handwritten draft undated
Box 1, Folder 29	Collision Theory (Structure of Matter Series), certificate of claim to copyright by Marvin Goldberger and Kenneth Watson 1964 May 21
Box 1, Folder 30	Concerning the Notion of 'Time Interval' in S-Matrix Theory, by Marvin L. Goldberger and Kenneth M. Watson 1962 May 15
Box 1, Folder 31	Consistency Questions Raised by Simultaneous Mandelstam and Angular-Momentum Analyticity, by Marvin L. Goldberger and C. Edward Jones 1966 July 11
Box 1, Folder 32	Conventional Field Theory and Regge Poles, by Murray Gell-Mann and M. L. Goldberger undated
Box 1, Folder 33	Decay of the Pi Meson, by M. L. Goldberger and S. B. Treiman 1958 June 1
Box 1, Folder 34	Density of States in Periodic Systems 1971 March
Box 1, Folder 35	Elementary Particles of Conventional Field Theory as Regge Poles. IV., by M. Gell-Mann, M. L. Goldberger, and F. E. Low 1964 January 13
Box 1, Folder 36	Energy Level Displacements in Mesic Atoms, by S. Deser, M. L. Goldberger and K. Baumann undated
Box 2, Folder 1	The Formal Theory of Scattering, by M. Gell-Mann and M.B. Goldberger undated
Box 2, Folder 2	In Appreciation: Enrico Fermi (1901-1954): The Complete Physicist, draft paper and article in <i>Physics in Perspective</i> 1999
Box 2, Folder 3	Intensity Correlation Spectroscopy, by M. L. Goldberger, H. W. Lewis, K. M. Watson 1965 August 24
Box 2, Folder 4	Lifetime and Decay of Unstable Particles in S-Matrix Theory, II, by M. L. Goldberger and K. M. Watson 1965 March 16
Box 2, Folder 5	Low-Energy Limits and Renormalization in Meson Theory, by S. Deser, W.E. Thirring and M. L. Goldberger 1954 January 7
Box 2, Folder 6	Multiperipheral Dynamics 1969 June
Box 2, Folder 7	Multiperipheral Models and High Energy Processes 1971 July
Box 2, Folder 8	Neural Pion Decay, by M. L. Goldberger and S. B. Treiman 1958 May 10
Box 2, Folder 9	Note on the Second Virial Coefficient, by M.L. Goldberger, Palmer Physical Laboratory, Princeton University undated

Box 2, Folder 10	On the Analysis of Nucleon-Nucleon Scattering Experiments, by Geoffrey F. Chew and Marvin L. Goldberger 1949 January 17
Box 2, Folder 11	On the Measurement of Time Correlations for Quantum-Mechanical Systems, by M. L. Goldberger and Kenneth M. Watson 1963 November 19
Box 2, Folder 12	On the Second Virial Coefficient 1959 May-June
Box 2, Folder 13	On the Spatial Separation of Events in S-Matrix Theory, by M. Froissart, M.L. Goldberger, and K. M. Watson 1963 April 12
Box 2, Folder 14	Papers on quantum mechanics and correlated intensity measurements undated
Box 2, Folder 15	The Physics of John Toll - Draft of paper/talk 1978 June 9
Box 2, Folder 16	The Production of Fast Deuterons in High Nuclear Reactions, by G. F. Chew and M. L. Goldberger 1949 October 11
Box 2, Folder 17	Recent Developments in Particle Physics - Talk about J-Ψ (Psi)
Box 2, Folder 18	Regge Poles in High-Energy Electron Scattering, by R. Blankenbecler, L. F. Cook, Jr., and M. L. Goldberger 1962 December 1
Box 2, Folder 19	<i>Relations de Dispersion et Particules Elementaires</i>, by A. S. Wightman, M. L. Goldberger, et al. - Handwritten draft
	General note
	Includes letter from "Dick" at SLAC, Stanford University.
Box 2, Folder 20	The Scattering of Light by Nucleons and the Neutron-Proton Mass Difference. Original manuscript and notes, by M. Gell-Mann and M. L. Goldberger undated
Box 2, Folder 21	Singularities of Scattering Amplitudes on Unphysical Sheets and Their Interpretation, by R. Blankenbecler, M. L. Goldberger, S. W. MacDowell and S. B. Treiman 1961 July 15
Box 2, Folder 22	Sixth Annual Rochester Conference - "Introductory Talk on Classical Pion Physics," by Goldberger, Enrico Fermi Institute
Box 2, Folder 23	Some Tests of Relativistic SU (6) Schemes, by R. Blankenbecler, M. L. Goldberger, K. Johnson and S. B. Treiman ca. 1965
Box 2, Folder 24	Speeches by Goldberger - Drafts
Box 2, Folder 25	Theory and Applications of Single Variable Dispersion Relations 1961 October 14
Box 2, Folder 26	Theory of the Refraction of Neutrons by Crystals, by M. L. Goldberger and Frederick Seitz 1946 November 27
Box 3, Folder 1	Use of Causality Conditions in Quantum Theory ca. 1954
Box 3, Folder 2	Use of Intensity Correlations to Determine the Phase of a Scattering Amplitude, by M. L. Goldberger, Harold W. Lewis and Kenneth M. Watson 1963 July 10
	JASON MATERIALS
	Scope and Content of Series
	Series 4) JASON MATERIALS: Includes articles and talks by the JASON group of scientists cofounder and Chairman, Marvin Goldberger, relating to nuclear security and disarmament; a small selection of email correspondence; documents sent to Goldberger from other JASON members; and files relating to the JASON Summer Study Programs. Also includes drafts of chapters for <i>The JASONS: The Secret History of Science's Postwar Elite</i> by Ann Finkbeiner. Materials range in date from 1962 to 2008.
Box 3, Folder 3	The Chicago Atom Bomb Project: A View from Below - Paper by Goldberger
Box 3, Folder 4	Concealed Nuclear Weapons - JASON report 2003
Box 3, Folder 5	Correspondence, various JASON members 2000-2010
Box 3, Folder 6	Declassified documents (copies) regarding the Reykjavik Summit, with correspondence from Sidney Drell, at Stanford (SLAC) 2006
Box 3, Folder 7	"Preventative Defense Project" and "Wind Farms and Radar" - JASON documents on Department of Energy (DOE) Labs 2008
Box 3, Folder 8	JASON documents re: the genesis of the barrier concept
Box 3, Folder 9	Quest for Truth: Deception and Intent Detection- JASON paper draft 2008 August 10
Box 3, Folder 10	JASON paper "The Reliable Replacement Warhead," testimony by Richard L. Garwin 2007 March 28
Box 3, Folder 11	JASON paper - S & T for National Security - Draft report 2008

Box 3, Folder 12	"JASON's Golden Fleece: A New Musical Comedy" - About the conception of the JASON group. Book by Richard A. Muller, lyrics by William H. Press. 1984 November 30
Box 3, Folder 13	JASON scientists on Sidney Drell and W. K. H. "Pief" Panofsky Nuclear Recommendations 2007-2008
Box 3, Folder 14	JASON scientists on Pakistan after assassination of Benazir Bhutto 2008
Box 3, Folder 15	JASON Summer Study on Hanbury Brown and Twiss (HB-T) method 1962 July 19
Box 3, Folder 16	JASON Summer Study on National Nuclear Security Administration Life Extension Program 2009 June 22
Box 3, Folder 17	<i>The JASONS: The Secret History of Science's Postwar Elite</i> by Ann Finkbeiner - Draft chapters 2006
Box 3, Folder 18	"Judaism and the Bomb: Jewish Scientists Who Worked on the Manhattan Project," by Dan Robbins. Includes interview with Goldberger and correspondence 1985
Box 3, Folder 19	National Security and Nuclear Weapons in the 21st Century - Department of Energy and Department of Defense report 2008
Box 3, Folder 20	"Needs, Problems and Prospects for Arms Control," by Marvin Goldberger
Box 3, Folder 21	A Nuclear Weapons Primer
Box 3, Folder 22	Speech by Goldberger and notes regarding nuclear weapons 2003-2004
Box 3, Folder 23	What You Always Wanted to Know About Nuclear Weapons But Were Afraid to Ask - Lecture
Box 3, Folder 24	<i>Science Against the People: The Story of JASON</i> by Berkeley SESPA 1972 December General A protest booklet compiled by Scientists and Engineers for Social Action, featuring critical profiles of JASON scientists and projects.

NOTEBOOKS AND LECTURE NOTES

Scope and Content of Series

Series 5) NOTEBOOKS AND LECTURE NOTES: Includes Goldberger's early notebooks and notes (with mathematical equations) while he was a graduate student at the University of Chicago, lecture notes and talks on various topics he taught at Princeton University and UC San Diego, and subject files on energy, quantum mechanics, relativity and other areas of mathematical and particle physics. Also included are some documents and photographs relating to Goldberger's role in the acquisition of a \$70 million dollar grant for the construction of the W.M. Keck Observatory. These materials range in date from 1945 to 2010.

Box 4, Folder 1	871 problems (equations)
Box 4, Folder 2	Advanced Quantum Mechanics - Goldberger's copy of lecture notes by Professor F.J. Dyson for Relativistic Quantum Mechanics course at Cornell University 1951
Box 4, Folder 3	Application of dispersion relations to pion-nuclear scattering
Box 4, Folder 4	Applied electrodynamics notes
Box 4, Folder 5	Caltech Division of Biology 50th Anniversary Symposium 1978 November 2
Box 4, Folder 6-8	Causality notes
Box 4, Folder 9	The Age of Chamberlain - Talk on Owen Chamberlain's scientific work and notes 1995 July
Box 4, Folder 10	Classical mechanics notes
Box 4, Folder 11	Density matrix element notes
Box 4, Folder 12	Derivation of the equation of hydrodynamics from the Boltzmann equation
Box 4, Folder 13	The derivations of Onsager's reciprocal relations 1954
Box 4, Folder 14-15	Dispersion relations General note Lecture on dispersion relations and notes on inversion.
Box 4, Folder 16	Energy notes and articles, with "Propagator in Non-Relativistic Quantum Theory" lecture
Box 4, Folder 17	Fano and Fermi's theories on Hanbury Brown and Twiss (H-B T) method
Box 4, Folder 18	"Field Theory" by S. M. Dancott 1954-1955
Box 5, Folder 1-3	Field theory - Goldberger's class notes 1954-1955

Box 5, Folder 4	Forward scattering of X-Rays by bound electrons
Box 5, Folder 5	Gell-Mann primary decay mode of pions and strong versus weak
Box 5, Folder 6	Grand canonical ensemble notes
Box 5, Folder 7-8	Green's functions lecture notes 1953-1954
Box 5, Folder 9	"Historic documents" - Includes Goldberg's copy of Eugene Wigner's Nobel Lecture and invitation to Wigner's retirement reception
Box 5, Folder 10	Homeland Security - Pat Churchland Seminar 2002 September 30
Box 5, Folder 11	Keck Telescope
	General note
	Includes photograph of Goldberger with Howard B. Keck, Chairman and President of W.M. Keck Foundation, photographs of models of the Keck Ten-Meter Telescope, copies of Whitehouse and Washington reaction (James K. Coyne, Special Assistant to Ronald Regan) to the telescope, and official news releases.
Box 5, Folder 12	Lectures on Laplace transform ca. 1949
Box 5, Folder 13	Lectures on mathematical physics 1949
Box 5, Folder 14	Lectures on special topics in quantum mechanics
Box 5, Folder 15	Lorentz-Lorenz and configuration space notes
Box 5, Folder 16	Meson nucleon scattering "no closed loop" theory notes 1953 October 16
Box 6, Folder 1	Methods of mathematical physics 1961
Box 6, Folder 2	MIT research notebook 1969 March
Box 6, Folder 3	Notes and solutions to mid-term exam for Physics 403: Elementary Mathematical Physics 1971
Box 6, Folder 4-5	Notes from a class on quantum mechanics
Box 6, Folder 6	Notes from Goldberger's lectures 1953-1954
Box 6, Folder 7	Notes on different physics concepts
Box 6, Folder 8	Notes on various equations
Box 6, Folder 9	Notes on non-forward dispersion relations - Meson-nucleon case
Box 7, Folder 1	Palmer Physics Lab notes
Box 7, Folder 2	"Old Schwinger" and "Schwingerology" - Particle physics notes 1949-1950
Box 7, Folder 3	Path integrals
Box 7, Folder 4	Physics 115A and B - Notes and exams 1992
Box 7, Folder 5	Physics 130A, B, C - Notes 2000-2001
Box 7, Folder 6-7	Physics 194 Electromagnetic Theory III - Lecture notes 1959 February
Box 7, Folder 8	Physics 198 - Preliminary hand-outs
Box 7, Folder 9	Physics 201/202 - Notes 1952-1953
Box 7, Folder 10	Physics 204 + 206 - Relativity primer, Princeton University 1974
Box 7,	Physics 305/306 - Notes
Folder 11-12	
Box 8, Folder 1	Physics notebook
Box 8, Folder 2-6	Physics notes ca. 1976
Box 8, Folder 7	Physics notes on light
Box 8, Folder 8	Pion Scattering with Exchange - Notes
Box 8, Folder 9	Pion Scattering with Exchange - Fermi's proposal
Box 8, Folder 10	Pion to Muon Decay - Papers and talk
Box 8,	Quantum Mechanics I class notes 1972-1973
Folder 11-12	
Box 9, Folder 1-2	Quantum Mechanics (intermediate) 1963-1964
Box 9, Folder 3-4	Quantum Physics class - Lecture notes
Box 9, Folder 5	Regge-Wick notes
Box 9, Folder 6	Relativistic quantum mechanics notes
Box 9, Folder 7	Remarks on the Mind-Body Question, by Eugene Wigner. Goldberger's uncorrected proof copy
Box 9, Folder 8	Review of quantum field theory
Box 9, Folder 9	Review of unitary transformations
Box 9, Folder 10	Scattering theory notes
Box 10, Folder 1	Second quantization notes
Box 10, Folder 2	Self-energy notes

Box 10, Folder 3	Semi-classical large order perturbation theory, Princeton notes 1977 April
Box 10, Folder 4	Seminar on Gell-Mann-Low eigenvalues, finite QED and canonical scaling
Box 10, Folder 5	Seminar on strategic defense notes 1983-1985
Box 10, Folder 6	"Serber Says - About Mesotrons" - Goldberger's copy of Manhattan Project physicist Robert Serber's notes Mesotron Theories
Box 10, Folder 7	Series of Lectures on Physics of Ionized Gases - Part VIII: The Chapman-Enskog Method 1955
Box 10, Folder 8	Sloan book - Series of personal stories 1988
Box 10, Folder 9	Somo China Lore talk and journal
Box 10, Folder 10	Spherical harmonics and Legendre polynomials
Box 10, Folder 11	Statistical Mechanics - Classical Statistics 352 1951
Box 10, Folder 12	Statistical Mechanics - Quantum Statistics Theory 352 1951
Box 10, Folder 13	Statistical mechanics notes ca. 1960s
Box 10, Folder 14	The Swimming of Marine Snakes (Squirring Urchins) - Report on an article by Sir Geoffrey Taylor
Box 11, Folder 1	Theorem on x-ray scattering notes
Box 11, Folder 2	Time delay notes
Box 11, Folder 3	UCSD Energy Study 2008
	General
	Initiated by Marvin Goldberger, includes related article by Mildred Goldberger.
Box 11, Folder 4	Uses of Physics - Ad Hoc Panel on the September 22 Event (atmospheric nuclear explosions) 2006
Box 11, Folder 5	Vector analysis notes ca. 1965
Box 11, Folder 6	Wigner papers - Goldberger's copies of theoretical physicist Eugene Wigner's various papers and lecture notes
Box 11, Folder 7	Wigner "Theory of the Solid State" notes - Goldberger's copy of Wigner's draft ca. 1960s
Box 11, Folder 8	World Energy Perspectives Panel presentation 1979 October
	General note
	Presentations by Robert O. Anderson, Robert S. McNamara, William R. Gould, Dean A. McGee and Simon Ramo.
Box 11, Folder 9	Miscellaneous notes, equations - Princeton
Box 11,	Miscellaneous notes, equations
Folder 10-12	
	MILDRED GOLDBERGER WRITINGS
	Scope and Content of Series
	Series 6) MILDRED GOLDBERGER WRITINGS: A small selection of drafts of articles and op-ed columns written by Marvin Goldberger's wife Mildred on various subjects, including women in math and energy science. Also included is a copy of her curriculum vitae and a 2007 memorial tribute to her published in <i>Science & Engineering</i> .
Box 12, Folder 1	An Anniversary and an Answer
Box 12, Folder 2	Are You Sure You Want to Be Rich and Famous?
Box 12, Folder 3	Can We Be Trusted?
Box 12, Folder 4	Children in Peril
Box 12, Folder 5	Continuing Education and the Continued Existence of Public Colleges
Box 12, Folder 6	Energy Modeling for State Policy 1978
Box 12, Folder 7	Hard Questions, Disappointing Answers
Box 12, Folder 8	How to Find and Publish Interesting Books
Box 12, Folder 9	It's Okay not to Like Math
Box 12, Folder 10	Land Values: Issues in New Jersey's Urban Coastal Zone ca. 1977
Box 12, Folder 11	Living with the Far Right
Box 12, Folder 12	Memoirs of an Ex-Mathematician - Draft of paper and curriculum vitae
Box 12, Folder 13	Memorial tribute to Mildred Goldberger in <i>Engineering & Science</i> 2007
Box 12, Folder 14	Miriam Yevick and Mildred Goldberger collaborations

Box 12, Folder 15

Miscellaneous writings

Box 12, Folder 16

**Models of Economic Development in the Southern Coastal Zone and their
Implications for the Management Program 1976**

Box 12, Folder 17

The Quality of Women's Lives in a Changing World

Box 12, Folder 18

Various writings in print by Mildred Goldberger