

IOWA STATE UNIVERSITY

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RS 11/11/11

Glenn Murphy (1908-1978)

Papers, 1928-1988, undated

*This collection is stored offsite. Please contact the Special Collections
Department at least two working days in advance.*

Descriptive summary

creator: Murphy, Glenn (1908-1978)
title: Papers
dates: 1928-1988, undated
extent: 24.09 linear feet (54 document boxes, 1 half-document box, and 1 oversized box)
collection number: RS 11/11/11
repository: University Archives, Special Collections Department, Iowa State University.

Administrative information

access: Open for research.

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publication rights: Consult Head, Special Collections Department
preferred citation: Glenn Murphy Papers, RS 11/11/11, Special Collections Department, Iowa State University Library.

Biographical note

Glenn Murphy was born in Boulder, Colorado on January 17, 1908. He graduated from Colorado State Preparatory School in 1925. He received his B.S. (1929), and M.S. (1930) from the University of Colorado in civil engineering. Murphy then traveled to the University of Illinois to work as a research graduate assistant and achieved a second M.S. (1932) in civil engineering. He earned his Ph.D. (1935) from Iowa State College (University) in theoretical and applied mechanics. The University of Colorado awarded Murphy the degree of Civil Engineer (1937) and the degree of Doctor of Science (1973).

At Iowa State, Murphy was hired as an Instructor (1932-1934) in theoretical and applied mechanics. He was promoted to Assistant Professor (1934-1938), Associate Professor (1938-1941), Professor (1941-1956), and Distinguished Professor (1956-1978). Murphy supported the University in an administrative capacity by serving as Head (1952-1955) of the Department of Aeronautical Engineering, Head (1955-1960) of the Department of Theoretical and Applied Mechanics, Chairman (1952-1960) of the Nuclear Engineering Administration Committee, and Head (1960-1973) of the Nuclear Engineering Department. Murphy was also Senior Engineer (1948-1963) for the Institute for Atomic Research at Iowa State University. Murphy was the Iowa State University Engineering Education Projects Coordinator (1972-1978) and he also served on the curriculum committee of the Curtiss-Wright Engineering Cadette Program which was created during World War II in order to train women in aeronautical engineering theory and design at a number of colleges and universities across the country.

Murphy performed research in a variety of fields including fluid dynamics, stress analysis, property of materials, similitude, and nuclear reactor dynamics and shielding, however, he is most prominently known for his work in engineering education as a teacher and author. Murphy served as major professor for 111 Ph.D. candidates and for 124 master's degree candidates. He was the author of eight college textbooks and co-author on an additional six others and he had over 50 papers published in engineering journals. Murphy was a consultant for a variety of private and governmental organizations and an active member in a number of scientific organizations, including the American Society for Engineering Education in which he served on numerous committees and as President (1962-1963).

In recognition of his years of service and valuable research, Murphy received many honors. Murphy was first to be named Anson Marston Distinguished Professor of Engineering (1956) by Iowa State University. He was also awarded the George Westinghouse Award (1951) from the American Society for Engineering Education; Distinguished Service Award (1964) from the Iowa Engineering Society; Alumni Honor Award for Distinguished Service in Engineering (1968) from the University of Illinois; Faculty Citation (1968) from Iowa State University.

Glenn Murphy married Frances Pearce of Los Angeles, California, in 1934. He passed

away on April 3, 1978, while returning home from a trip to Korea where he had served as a consultant and advisor to the Korea Advanced Institute of Science in Seoul.

Collection description

The collection (1928-1988, undated) contains biographical material, correspondence, memoranda, writings and publications, course material, materials related to professional societies, consulting work, background resources and conference and meeting data. The collection is sorted into multiple series, but some topics, such as consulting work and related correspondence, may be found in multiple series.

Biographical materials in the collection include newspaper clippings, personal correspondence, diaries, awards, diplomas, photographs, and biographical and autobiographical sketches. The collection also includes a number of awards and artifacts. The files containing Murphy's professional correspondence include contacts with various organizations and individuals. The collection contains letters with Iowa State administrators, government officials, private organizations, former students, and other researchers. Some correspondence related to Murphy's consulting work and contacts with professional societies may be found in these files.

Murphy's research endeavors are documented by copies of published articles and drafts of textbooks. The papers and published works include several drafts and copies of chapters from his books. Subjects Murphy wrote about include nuclear engineering and engineering education. Other files that document his research interests include materials related to conferences and lectures he attended or participated in. These include the International Bicentennial Conference at which Murphy served as chairman and the Nuclear Energy Abundant Conference where he was a panelist.

There are two series that document the work Murphy did at Iowa State. One series contains course materials for classes taught by Murphy. These courses were primarily in the theoretical and applied mechanics and nuclear engineering fields. Other records related to Iowa State University include administrative correspondence and reports related to the Department of Theoretical and Applied Mechanics, Department of Nuclear Engineering, the Curtiss-Wright Engineering Cadette Program, and the U.S. Atomic Energy Commission. These files also include records of Murphy's extensive work with nuclear reactors.

Materials related to professional organizations Murphy was affiliated with include annual meeting materials, committee reports, and proposals for grants. Some of the groups with which Murphy was involved include the American Society of Agricultural Engineers, American Society for Engineering Education, the American Nuclear Society, the American Society of Mechanical Engineers, the Commission on Engineering Education, and the Atomic Energy Commission.

Murphy also consulted with and advised dozens of private corporations and government organizations. He consulted for the U.S. Army on a number of projects, as well as the Phillips Petroleum Company, Collins Radio Company, and many other companies. He also reviewed engineering curricula at universities from around the world. The files related to this work include mostly correspondence and reports.

Organization

The collection is arranged into eight series:

- [Series 1, Biographical Material, 1928-1988, undated \(alphabetical\)](#)
- [Series 2, Professional Correspondence, 1935-1978, undated \(alphabetical\)](#)
- [Series 3, Papers and Published Works, 1931-1978, undated \(chronological\)](#)
- [Series 4, Conferences and Lectures, 1938-1977, undated \(chronological\)](#)
- [Series 5, Course Materials, 1935-1975, undated \(chronological\)](#)
- [Series 6, Professional Organizations and Affiliations, 1935-1978, undated \(alphabetical\)](#)
- [Series 7, Iowa State University, 1936-1977, undated \(chronological\)](#)
- [Series 8, Consulting, 1938-1978, undated \(chronological\)](#)

Description of series

Series 1	Biographical Material	1928-1988, undated
extent:	1.05 linear feet (2 document boxes and 11 folders)	
description:	This series contains biographical information regarding Glenn Murphy, including newspaper clippings, personal correspondence as well as correspondence with different organizations, awards and diplomas, and photographs. In addition, this series has information collected by the universities where Murphy worked and includes biographical and autobiographical sketches. This series is listed alphabetically.	

Container list

Box	Folder	Title	Dates
1	1	Biographical information	1964-1978, undated
1	6	Biographical information – article on Murphy in <i>Colorado Alumnus</i> – photography, page 13	1955
1	8	Biographical information – article on Murphy in <i>Iowa Engineer</i> – pages 34-35 and 55	1957-1970

Box	Folder	Title	Dates
1	7	Biographical information – article on Murphy in <i>The Exponent</i> , March, page 22; July, page 7; August, page 11	1963-1970
2	13	Biographical information – article on Murphy in <i>University of Colorado Bulletin</i> , pages 8 and 11	1969-1971
3	8	Biographical information – degree history, newspaper clippings, correspondence, press releases, and tributes	1948-1978, undated
3	9	Biographical information – degree history, press releases, and newspaper clippings	1946-1978, undated
3	10	Biographical information – faculty vita file	1928-1977
1	2	Biographical information – newspaper clippings	1937-1978, undated
2	10	Certificates and awards	1929-1974, undated
Map	case	Certificates and awards	1936-1975
2	2	Chinese lessons	undated
54		Daily planners	1972-1974
55		Daily planners	1975-1976
Map	case	Diplomas – University of Colorado and Iowa State College	1929-1937
2	1	English and Japanese phrases	undated
1	5	Interview of Dr. Murphy about nuclear engineering by Y. S. Yang – transcript	1978
1	20	Invitation to National Medal of Science Award ceremony for Dr. Theodore von Karman	1963
1	15	Miscellaneous notes, clippings, and programs	undated
1	3	Newspaper clippings – Glenn Murphy Aerospace Engineering Computer Applications Laboratory	1988
1	10	Personal correspondence – cousin Besse (Paddy) M. Ripley and Cindy Lamar (some in regards to the death and funeral of Dr. Murphy)	1967-1978
1	9	Personal correspondence – greeting cards	1962-1972, undated
1	11	Personal correspondence – wife Frances	1969
1	12	Personal correspondence (1- 3x4" color and 3- 3x4" b/w photographs)	1943-1977, undated

Box	Folder	Title	Dates
1	14	Photographs, personal – Glenn and Frances Murphy, retirement party (16- 3x4 b/w, 15- 3x4” color, 12- 5x7” b/w, 4- 8x10” b/w, and 4- 8x10” color photographs)	1961-1976, undated
1	13	Photographs, professional – Glenn Murphy and group pictures, includes ASEE presidency (1- 8x10” color and 34- 8x10” b/w photographs)	1953-1973, undated
3	7	Professional History – ASME correspondence and histories	1954-1957, undated
1	19	Programs for professional society banquets, Iowa State events, and awards ceremonies (including Army-Navy “E” Award ceremony)	1945-1977
3	2	Recognitions – Anson Marston Professorship correspondence	1956
Artifact collection		Recognitions – Certificate of appreciation from ASEE, paper weight (artifact 2009-R010.002)	1968 ca.
Map case		Recognitions – George Westinghouse Award (ASEE) certificate	1951
2	11	Recognitions – George Westinghouse Award (ASEE) program and correspondence	1951-1952
3	4	Recognitions – Glenn Murphy Award (ASEE) establishment and programs	1976-1979
Artifact collection		Recognitions – Iowa State University Order of the Knoll (artifact 2009-R010.003)	undated
Artifact collection		Recognitions – Lamme Award (ASEE) medal (artifact 2009-R010.007)	1972
2	14	Recognitions – Lamme Award (ASEE) program and correspondence	1972
3	3	Recognitions – Listings in Outstanding Educators of America (1970) and National Register of Prominent Americans and International Notables (1976)	1970-1976
Artifact collection		Recognitions – Platter with photograph of Glenn Murphy and ASEE President Harold Bolz (artifact 2009-R010.001)	1972
3	5	Recognitions – Royal Society of Arts certificate of fellowship and receipt for dues	1952
Artifact collection		Recognitions – University of Colorado College of Engineering Dean’s Club plaque (artifact 2009-R010.004)	undated

Box	Folder	Title	Dates
56	OVR	Retirement scrapbook, includes letters from colleagues honoring his career	1973
3	11	Rotary Club materials – correspondence, travel plans and itineraries	1972-1975
3	6	Royal Aeronautical Society correspondence, membership cards, yearbook supplement, photographs, and receipts	1955-1969, undated
1	18	Travel correspondence – Singapore, Sri Lanka, India, Nepal, Iran, Turkey	1976-1977
1	16	Travel data	undated
1	17	Travel log (cruise), includes itineraries and correspondence (1- 5x7" color and 1- 5x7" b/w photographs)	1970-1975
2	12	University of Colorado Alumnus Award, newspaper clippings, programs, correspondence, and maps	1971
2	15	University of Colorado Honorary Degree, newspaper clippings, and diploma (1- 8x10" b/w photograph)	1973
1	4	University of Colorado, bequest to	1978
3	1	University of Illinois Alumni Award, correspondence and programs	1968
2	9	University of Illinois M.S. diploma	1932

Description of series

Series 2 Professional Correspondence 1935-1978, undated

extent: 2.10 linear feet (5 document boxes)

description: This series contains correspondence between Glenn Murphy and others regarding his research and other work at Iowa State. Some of the correspondents include people from the American Society for Testing Materials, the National Academy of Sciences Research Council, Oak Ridge National Laboratory, and a number of book publishers. Of particular note is correspondence with John Vincent Atanasoff regarding the famous court case concerning the invention of the computer and a file on the Curtiss-Wright Engineering Cadette Program at Iowa State. This series is arranged alphabetically.

Container list

Box	Folder	Title	Dates
3	12	A – professional correspondence	1947-1975, undated
3	13	Advanced Technology Laboratories	1961
3	14	Allis Chalmers	1962
3	15	Allyn and Bacon Inc.	1959
3	16	American Institute of Banking	1951
3	17	American Society of Agricultural Engineers	1957
3	18	American Society of Civil Engineers	1957
3	19	American Society for Testing Materials (ASTM) Student Awards	1935
3	20	American Society for Testing Materials	1958-1962
4	1	(ASTM) Glenn Murphy Student Awards	1946-1977
4	2	Argonne National Laboratory	1960-1974
4	3	American Society for Engineering Education (ASEE)	1953-1964
4	4	ASEE – Solid State Physics Conference	1954
4	5	Asgrow Seed Company	1974
4	6	American Society of Mechanical Engineers – lecture series	1951
4	7	Atanasoff, John V. (regarding computer) (Iowa State Alumnus, February 1969)	1968-1969
4	8	Atomic Energy Commission	1951-1974
4	9	B – professional correspondence	1938-1976
4	10	Baldwin Locomotive Works	1948-1949
4	11	Benedict, Paul C.	1975-1976
4	12	Benjamin, Inc.	1962
4	13	Bergman, Elmer O.	1935-1941
4	14	Brown, Joseph M. (regarding National Science Foundation grant for epitaxial reactor lab)	1974
4	15	Bruce, Bernice (Secretary in Theoretical and Applied Mechanics Department)	1940
4	16	C – professional correspondence	1937-1976

Box	Folder	Title	Dates
4	17	CEE	1963
4	18	Cell, John W.	1953-1954
4	19	Chicago and Northwestern Railroad Company	1943
4	20	Christensen, George C.	1972
4	21	University of Colorado	1936-1952
4	22	Copyrights	1936-1939
4	23	Crane, T. D.	1953-1954
4	24	Cross, Hardy	1944
4	25	Curtiss-Wright Program	1967-1974
4	26	D – professional correspondence	1937-1976
4	27	Department letters (written to members of the Theoretical and Applied Mechanics Department in the Armed Forces)	1942-1945
5	1	Departmental correspondence	1934-1952
5	2	Departmental correspondence	1936-1950
5	3	E – Professional correspondence	1937-1975
5	4	Engineers Council for Professional Development (ECPD)	1937-1977
5	5	Edison Electric Institute	1974-1975
5	6	Correspondence – employment	1942-1976
5	7	F – professional correspondence	1939-1978
5	8	Federal Products Corporation	1937-1947
5	9	Films	1939-1945, undated
5	10	Flakice	1947-1948
5	11	Friley, Charles E.	1938-1952
5	12	G – professional correspondence	1940-1977
5	13	Gilkey, Herbert	1936-1956
5	14	Grant-Bendix, Corporation	1962-1963
5	15	H – professional correspondence	1940-1977
5	16	I – professional correspondence	1938-1973
5	17	Illinois, University of	1939-1952

Box	Folder	Title	Dates
5	18	Institute of the Aeronautical Sciences (IAS) membership information	1946-1953
5	19	International Congress for Applied Mechanics	1946-1952
5	20	State University of Iowa	1938-1948
6	1	J – professional correspondence	1948-1977
6	2	K – professional correspondence	1939-1976
6	3	Kold, Edwin R.	1947
6	4	L – professional correspondence	1938-1975
6	5	Leekley, Lt. Charles W. (regarding gas regulators and their functions)	1945
6	6	M – professional correspondence	1938-1977, undated
6	7	Maldonado, E.	1977
6	8	McDonnell Aircraft	1958
6	9	Minakuchi, Satoshi (includes paper effects of nuclear bombs in Hiroshima and Nagasaki reports from Japan by Satoshi Minakuchi)	1973
6	10	Morgan, Robert	1977
6	11	N – professional correspondence	1941-1973, undated
6	12	National Academy of Sciences Research Council	1949-1962, undated
6	13	National Science Foundation	1959-1975
6	14	Nelson, Wilbur C. (includes two papers by Nelson who was head of the department of aeronautical engineering at Iowa State from 1942-1946)	1946-1947
6	15	Nuclear energy correspondence	1949-1952
6	16	O – professional correspondence	1950-1974
6	17	Oak Ridge National Laboratory (27th Annual Report of Oak Ridge Associated Universities)	1953-1973
6	18	P – professional correspondence	1940-1977
6	19	Packard Motor Company	1950
6	20	Pan, Liang-Ju	1950

Box	Folder	Title	Dates
6	21	Phi Kappa Phi (contains Phi Kappa Phi journal for 1950, 1952)	1943-1952
6	22	Pian, Dr. T. H. H.	1958
6	23	President of the United States reply from senator B. B. Hickenlooper	1954
6	24	Pritchard, Captain J. Laurence (lecture)	1955
18	12	Publishers – International textbook	1936-1940
18	13	Publishers – International textbook	1941-1942
19	1	Publishers – International textbook	1943-1949
19	2	Publishers – International textbook	1950-1974
19	3	Publishers – International textbook – royalty invoices	1956-1974
19	4	Publishers – George W. Farnham	1948
19	5	Publishers – Irwin – Farnham Publishing Company regarding Keuthe and Schetzer manuscript	1948-1949
19	6	Publishers – Irwin – Farnham Publishing Company	1945-1949
19	7	Publishers – MacMillan Company	1938-1961
19	8	Publishers – McGraw-Hill Book Company Inc.	1938-1949
19	9	Publishers – McGraw-Hill Book Company Inc.	1950-1972
19	10	Publishers – McGraw-Hill Book Company Inc. – imprinted for authors	1972-1974
19	11	Publishers – McGraw-Hill Book Company Inc. – royalty invoices	1958-1974
19	12	Publishers – McGraw-Hill Encyclopedia	1969
20	1	Publishers – Ronald Press	1949-1950
20	2	Publishers – Ronald Press	1951-1954
20	3	Publishers – Ronald Press	1955-1969
20	4	Publishers – Ronald Press – royalty invoices	1956-1976
20	5	Publishers – Ronald Press – regarding Principles of Mechanical Vibrations by J. M. Trummel	1947-1951
20	6	Publishers – Ronald Press – regarding Engineering Statistics and Dynamics by Dan H. Pletta	1949-1953
20	7	Publishers – Ronald Press – regarding Advanced Dynamics by John E. Younger	1956

Box	Folder	Title	Dates
20	8	Publishers – Wadsworth Publishing Co., Inc.	1958-1959
20	9	Publishers – Wiley and Sons, Inc.	1937-1960
20	10	Publishers – Wiley and Sons, Inc.	1960-1977
7	1	R – professional correspondence	1938-1976
7	2	Rotary	1973-1976
7	3	S – professional correspondence	1936-1977
7	4	Sanks, R. L.	1954
7	5	Smith, J. F. Downie	1947
7	6	Society for Experimental Stress Analysis	1944-1955
7	7	Student	1936-1973
7	8	Society for Experimental Stress Analysis (contains copy of by-laws)	1944-1955
7	9	Students	1936-1973
7	10	Students (reference letters)	1937-1974, undated
7	11	T – professional correspondence	1945-1974, undated
7	12	Regarding graduate teaching load	1939-1940
7	13	Dr. Royal Weller and Mr. O. C. Ralston (regarding titanium research)	1949
7	14	Townsend, Charles (regarding professional development program)	1973
7	15	Travel	1945-1973
7	16	U – professional correspondence	1952-1976
7	17	University of Utah (job interview)	1965
7	18	V – professional correspondence	1945-1953
7	19	Vibration Institute (article-scaling and modeling for experiment)	1974-1977
8	1	W – professional correspondence	1939-1976, undated
8	2	Westinghouse	1948-1958
8	3	Westinghouse Fellowship	1946-1947
8	4	West Point	1952

Box	Folder	Title	Dates
8	5	Who's Who in America	1947-1949
8	6	WOI-TV (regarding Challenge program)	1955
8	7	Y – professional correspondence	1956-1976

Description of series

Series 3 Papers and Published Works 1931-1978, undated

extent: 4.62 linear feet (11 document boxes)

description: This series contains papers and published works written or co-written by Glenn Murphy, including several drafts and copies of chapters from books written by him. Subjects include nuclear engineering and engineering education. This series is arranged chronologically.

Container list

Box	Folder	Title	Dates
13	4	U.S. Department of the Interior – Analysis of Tendencies for Non-Linear Distributions of Stresses in Vertical Cantilevers in Arch Dams Due to the Curvatures of the Downstream Face	1931
8	14	Stresses and Deflections in Loaded Rectangular Plates on Elastic Foundations	1937
17	15	Fluid Mechanics – book reviews	1941
17	14	Mechanics of Fluids – correspondence	1941-1959
8	15	The Percentage Stress-Strain Diagram as an Index to the comparative Behavior of Materials Under Load	1943
15	2	Log of letters and phone calls regarding monographs	1945-1949
15	3	Advanced Mechanics of Materials	1946
15	4	Advanced Mechanics of Materials	1946
18	11	Monograph advertising	1947-1953, undated
8	16	Evaluation of Stresses and Strains in Axially Loaded Compressive Specimens	1948
8	17	The Conjugate Frame as a Tool for Evaluating Deflections	1948

Box	Folder	Title	Dates
21	2	Theory of Limit Design by J. A. Van Den Broek	1948
8	18	A Mechanical Device for the Solution of Equations Involving the Laplacian Operator (with J. V. Atanasoff)	1949
17	16	Fluid Mechanics – instructor answers	1949
8	20	Analysis of Stresses and Displacements in Heat-Exchanger Expansion Joints	1950
8	19	Fluctuating Loads – Their Treatment in Design	1950
15	7	Similitude in Engineering	1950
8	21	Progress Report of an Investigation of the Properties of Thorium and Some of its Alloys	1951
21	3	A Method of Solving Strain Rosettes by Nazih J. Taleb	1952
15	9	Materials Testing – chapters 1 and 2 with revisions by Bergman	1952
15	10	Materials Testing – chapters 3 and 4	1952
8	22	Methods of Analog Solutions for Engineering Problems	1952
18	9	Industrial arts index, bibliography on thermal stresses	1952 ca.
12	26	Publications	1952-1968
8	23	The Integration of Graduate Work in Engineering by Means of Analogs	1953
8	24	Experimental Technique for Predicting the Dynamic Behavior of Rubber	1954
13	5	Nature and Property of Materials	1954
8	25	Objectives of Advanced Programs in Mechanics	1954
8	26	Test Models in Chemical Engineering	1954
8	28	Of Ships and Sails and Sealing Wax (for Sigma Xi)	1955
8	27	The Applications of Similitude Theory to Agricultural Engineering Research	1955
8	29	The Complementary Role of Physics and Mechanics in Engineering Education (Mechanical Engineering)	1955
9	1	The Complimentary Role of Physics and Mechanics in Engineering Education (<i>Physics Today</i>)	1955
13	6	The Complimentary Role of Physics and Mechanics in Engineering Education	1955

Box	Folder	Title	Dates
8	30	Comments at Retirement Dinner for Herbert Gilkey and obituary written for Herbert Gilkey by Glenn Murphy	1955-1976
9	2	Atomic Energy in the Power Field	1956
9	3	Symposium on Physics of Engineering Materials (for ASCE annual meeting)	1956
13	7	The Engineering Development Group	1956
18	6	Properties of Engineering Materials – reviews	1956-1957
9	5	Application of Similitude to Agriculture Engineering Research	1957
9	7	Impact of Solid Physics and Engineering Materials on Engineering Education	1957
9	6	Measurement and Interpretation of Strains	1957
9	8	New Vistas in Civil Engineering Computations	1957
13	8	Nuclear Energy Education Report	1957
9	4	Prediction of Critical Pressures for the Two-Phase Flow of Saturated Water in Pipes	1957
9	10	Comments on Trends in Engineering Education	1958
9	14	Comments on Trends in Engineering Education	1958
21	4	Concepts of Fluid Mechanics by Ralph Burton	1958
9	9	High-Temperature Fatigue Testing – With Application to Uranium (with Jack R. Bohn)	1958
9	17	Impact of Missiles and Satellites on Engineering Education	1958
9	12	Industry and Education (with Charles S. Draper and Richard G. Bowman)	1958
9	18	Metallurgical Advances and Civil Engineering	1958
9	19	New Demands on Engineering Education	1958
9	16	Prediction of Critical Pressures for the Two-Phase Flow of Saturated Water in Pipes (with D. O. Stuart)	1958
9	13	Relationships between the Universities and Industry in Nuclear Engineering	1958
9	15	Solid State Physics in Engineering Materials	1958
9	11	What Engineering Education Needs from Industry	1958

Box	Folder	Title	Dates
17	3	Elements of Nuclear Engineering – comments by Professor Nathan Gilbert	1959
17	2	Elements of Nuclear Engineering – reviews and notes	1959
9	20	Engineers for the Future	1959
13	9	Nature and Properties of Materials – A discussion of the report of ASEE follow-up subcommittee on materials	1959
13	13	Observations on Creep of Tantalum	1959
13	11	Reactor Comments on Report of Engineering Division	1959
13	10	Reactor Hazards Summary Report ISU UTR-10	1959
17	1	Elements of Nuclear Engineering – final draft	1959 ca.
17	11	Elements of Nuclear Engineering – correspondence	1959-1963
16	2	Elements of Nuclear Engineering – Chapters 3-8	1960
17	4	Elements of Nuclear Engineering – photographs and fact sheet on the N. S. Savannah	1960
9	21	Materials in Engineering Education (Summer Institute photograph)	1960
9	23	Neutron Attenuation in Layered Iron-Water Systems	1960
9	25	Nuclear Power Considerations	1960
9	26	Physical Metallurgy and Mechanical Properties of Materials	1960
9	22	Procuring a University Reactor	1960
9	24	Integration of Research Reactor Centers with other Research Efforts (with Virginia P. Denisen)	1960 ca.
9	31	Development of a Nuclear Engineering Program on a Limited Budget (as presented at Regional Seminar for Latin America on education problems of nuclear energy)	1961
9	29	Education in Nuclear Engineering (Dedication – Western New York Nuclear Research Center)	1961
17	7	Elements of Nuclear Engineering – printed monograph	1961
13	16	Engineering Science	1961
9	34	Integration of Research Reactor Centers with other Research Efforts	1961
9	33	Objective Criteria in Nuclear Engineering Education	1961

Box	Folder	Title	Dates
9	32	Opposing Philosophies of Nuclear Engineering Design Courses (2nd annual ANL, AMU conference)	1961
13	15	Preliminary report on objective criteria in nuclear engineering education	1961
13	17	Report to review committee – ANL Engineering Mechanics	1961
9	28	Applications of Similitude to the Structural Mechanics of Reactors	1961 ca.
10	2	Development of Hydrodynamics	1961 ca.
13	14	Nuclear Energy and Its Impact on Agriculture	1961 ca.
10	1	Papers for Vienna Conference (also contains correspondence and newsletters regarding the conference)	1961-1962
9	30	Papers written with Virginia P. Denisen	1961-1962, undated
13	19	Blast Loading of Small Buried Arches (U.S. Naval Civil Engineering Laboratory)	1962
17	10	Elements of Nuclear Engineering – book review and errata	1962
17	9	Elements of Nuclear Engineering – publicity	1962
17	8	Elements of Nuclear Engineering – reviews	1962
10	3	Objective Criteria for Nuclear Engineering Education	1962
10	5	Role of the University in Nuclear Training and Education – Regular and Special Programs (includes discussion of paper by F. Remmick)	1962
10	6	Specialization vs. Diversification	1962
13	18	Use of Models to Simulate Dynamically Loaded Buried Structures – technical report	1962
10	4	Whither Engineering Education	1962
10	7	Mathematics in the Training of Engineers and Physical Scientists	1963
10	10	Objective Criteria in Nuclear Engineering Education	1963
10	8	The Changing Spectrum of Engineering Education	1963

Box	Folder	Title	Dates
10	9	The Influence of Rate of Loading and Temperature on the Tensile Properties of Normal Alpha Uranium (with P. A. Loretan)	1963
13	20	Use of Models to Predict the Dynamic Response of Dynamically Loaded Underground Structures	1963
10	11	Engineering for the Future (St. Procopius College)	1964
10	13	Radiation and Creep Analysis for Stress Distribution in Annular Fuel Elements (with Benjamin M. Ma)	1964
10	15	Radiation and Creep Analysis of Strains and Stresses in Annular Fuel Elements (with Benjamin M. Ma)	1964
10	14	Role of Engineering Mechanics in Engineering Education	1964
13	21	Similitude of Dynamically Loaded Buried Structures – final draft	1964
10	12	The Challenges of Nuclear Engineering	1964
14	1	Progress on Cratering Similitude (U.S. Army Engineers)	1964-1966
18	7	Engineering Analogies – Similitude in Engineering – correspondence	1964-1974
10	17	Engineering Education in Transition	1965
10	16	Fatigue and Tensile Properties of Zirconium at Elevated Temperatures (with Knud Pedersen)	1965
10	20	Gamma Dosage in the Vicinity of Cylindrical Voids in Shields (with Dr. Donald Sasscer)	1965
10	18	Models Which Do Not Have 1:1 Correspondence with Prototype	1965
13	23	Prediction of Feasibility of Nuclear Power in Iowa	1965
10	19	Similitude in Nuclear Engineering	1965
13	22	Similitude of Dynamically Loaded Buried Structures – final report	1965
10	22	Superconducting Coils for Shielding in Space (co-author – G. A. Englesson)	1965-1966
10	23	Gamma-Ray Attenuation Coefficients of Grains and Forages	1966
10	21	The Impact of the Science of Materials Upon Engineering	1966
14	2	Unsolicited Proposal for the Use of Models to Simulate Dynamically Loaded Underground Structures	1966

Box	Folder	Title	Dates
14	3	Evaluation of Georgia Tech's Program in Nuclear Engineering Science	1967
11	1	Pulsed-Neutron Diffusion Parameters in Spherical Water Systems (co-author – Shawky F. Nassar)	1967-1968
11	6	Unseparated Fission Products as a Heat Source (co-author D. P. Naismith)	1967-1968
12	27	Book review by Glenn Murphy (<i>Engineering Dynamics</i> by Wilfred E. Baker, et. al.)	1968
11	5	Coordination and Cooperation in Engineering Education	1968
11	3	Gamma-Irradiation Effects in Single-Crystalline Barium Titanate (co-author – John J. Keating)	1968
11	2	Neutron Thermalization in Light Water Using Spherical Geometry (co-author – Shawky F. Nassar)	1968
21	5	Similitude: Theory and Applications by V. Skoglund	1968
11	4	The Extrapolation Distances of Spherical Light Water Systems in Pulsed Neutron Experiments (co-author Shawky F. Nassar)	1968
11	9	Determination of Arsenic Content of American Cigarettes by Neutron Activation Analysis (co-author Bong Lee)	1968-1969
12	25	Cross references of papers for Glenn Murphy	1969
18	10	Encyclopedia Britannica – review of engineer education	1969
11	11	Graduate Education for the Future	1969
11	10	Relationship of the department of Nuclear Engineering to the Development of Iowa and the Nation	1969
14	4	Report of Ad Hoc Committee on the Reorganization of the Society (ASEE) – Glenn Murphy chairman	1969
11	8	Time-Dependent Spectral-Data in Neutron Activation Analysis (co-author – Bong Lee)	1969
11	12	Model Studies of the Fallout Protection Factors (co-author – Mardith Baenziger Thomas)	1970
12	1	The Horizons of Scholarship	1970
12	2	Governmental and Industrial Stimulation to Develop Programs of Teacher Training in Science and Engineering	1970 ca.
14	11	Japan – Electric Energy	1970-1971

Box	Folder	Title	Dates
12	4	Applications of Similitude to the Structural Mechanics of Reactors	1971
12	5	Design of Models of Hydrodynamically Loaded Shells	1971
12	6	Distorted Models of Space Frames	1971
12	7	Thermal, Radiation, and Mechanical Analysis for Fast Reactor Fuel Elements (by Benjamin M. Ma with reference to Glenn Murphy)	1971
12	10	Engineering Education an International Commodity	1972
12	9	Identifying Soil Dynamic Parameters for Soil-Machine Systems (co-authors C. E. Johnson, et. al.)	1972
12	13	Practical Evaluation of Nuclear Energy	1972
12	11	Similitude in Solutions of Soil Engineering Problems	1972
12	8	The Future of Nuclear Engineering	1972
12	12	The Response of Education in Preparing Engineering Professionals for Today's Federal Service	1972
14	6	Engineering Education on Long Island	1973
12	15	On Becoming Educated – ISU graduation address	1973
14	5	Report on the U.S. – Japan Seminar on Optimization of Nuclear Engineering Education	1973
14	7	Summary Report of Hawaii, Australia, and New Zealand Travel	1973
12	14	Written presentation – U.S. – Japan Cooperative Science Seminar on Nuclear Engineering Education	1973
17	12	Elements of Nuclear Engineering – correspondence with Krieger Co. regarding re-issuing of book	1973-1977
12	16	Realizing the Potential of Materials	1974
21	6	Similarity Methods in Engineering Dynamics by Wilfred E. Baker, et. al.	1974
14	8	Core Seismic Review General Atomic	1975
14	10	General Atomic – Computation	1975
12	17	History of Nuclear Engineering Curricula	1975
12	18	The Public Role of Nuclear Educators	1976
12	21	Planning Effective Nuclear Technology Transfer and the Project Methods	1977

Box	Folder	Title	Dates
12	23	Possible title for presentation at El-Fateh University	1977
12	20	Realizing Potential of Materials (lecture for Applied Mechanics Symposium)	1977
12	19	What is the Role of Higher Education Today	1977
12	22	The Role of Higher Education Today	1977 ca.
12	24	Small Things and Large – Special Application of Model Theory	1978
21	1	Advanced Dynamics by W. Webster	undated
15	5	Advanced Mechanics of Materials photographs	undated
17	5	Elements of Nuclear Engineering – answers to problems	undated
15	14	Elements of Nuclear Engineering – chapter 2 Nuclei and Nuclear Reactions	undated
16	1	Elements of Nuclear Engineering – Chapters 1-5	undated
16	3	Elements of Nuclear Engineering – draft	undated
16	4	Elements of Nuclear Engineering – draft	undated
16	5	Elements of Nuclear Engineering – draft	undated
16	6	Elements of Nuclear Engineering – draft	undated
16	7	Elements of Nuclear Engineering – draft	undated
17	6	Elements of Nuclear Engineering – figures	undated
15	12	Elements of Nuclear Engineering – preface, chapters 1-5	undated
15	13	Elements of Nuclear Engineering – preface, glossary, and index	undated
15	11	Elements of Nuclear Engineering – preliminary comments (contains photographs)	undated
8	9	Energy and Your Future	undated
8	10	Learning, Training, or Education (University of Alabama Building Dedication)	undated
18	8	Materials Engineering – revision material	undated
15	8	Materials Testing – revision information	undated
8	11	Measurement of Transient Critical Heat Flux by Fluid Modeling	undated
17	13	Mechanics of Fluids – suggested revisions and uses	undated
8	13	Nature and Properties of Materials	undated

Box	Folder	Title	Dates
13	2	Nuclear Physics in Secondary Schools in the U.S.A.	undated
15	1	Physical preparation of manuscript copy	undated
18	2	Properties of Engineering Materials – chapter 3	undated
18	5	Properties of Engineering Materials – chapters 12, 13, 14, and 15	undated
18	3	Properties of Engineering Materials – chapters 5, 6, and 7	undated
18	4	Properties of Engineering Materials – chapters 9, 10, and 11	undated
18	1	Properties of Engineering Materials – draft of chapters 1 and 5	undated
15	6	Rough drafts – Radiation and Materials Structural Considerations	undated
8	12	Similitude Relations in Fluid Mechanics	undated
13	3	The Nature and Properties of Materials (report of subcommittee)	undated
8	8	Thorium: Physical Properties of the Metal and Its Alloys	undated
13	1	Use of Models to Predict the Dynamic Response of Underground Structures – interim report	undated

Description of series

Series 4 Conferences and Lectures 1938-1977, undated

extent: 1.68 linear feet (4 document boxes)

description: This series contains information from conferences and lectures Murphy attended. These include the International Bicentennial Conference at which Murphy served as chairman and the Nuclear Energy Abundant Conference where he was a panelist. This series is arranged chronologically.

Container list

Box	Folder	Title	Dates
21	8	Applied Mechanics 5th International Congress	1938
21	10	Applied Mechanics 1st U.S. National Congress	1938
21	9	Isotopes Conference	1951

Box	Folder	Title	Dates
21	11	Seminary – Young Engineers	1952
21	12	Radioisotopes in Industry 2nd Annual Conference	1952
25	5	Lecture – requests for lectures	1953-1955
21	13	Reactor Conference Oak Ridge, Tennessee – university research	1954
21	14	Symposium – Impact of Solid State Science on Engineering Materials	1954
25	1	Lecture – North Carolina State Series	1956
21	15	Symposium on Structural Problems of High Speed Flight (Cranfield, England)	1956
21	16	Concrete Conference 7th Annual	1956
21	17	Applied Mechanics (Brussels) IX International Conference	1956
21	18	Symposium on Physics of Engineering Materials (Pittsburgh)	1956
21	19	Conference on Science and Technology for Deans of Engineering (Purdue University) (paper – The Impact of Solid State Physics and Engineering Materials on Engineering Education)	1957
21	20	Fast Reactor Information Meeting (Lemont, Illinois)	1957
24	8	Pamphlets Conference	1957-1973
21	21	NSF Workshop – Materials in Electrical Engineering (Case Institute of Technology)	1959
21	22	Seminar – Purdue University	1959
21	23	Seminar on Engineering Education – Engineers for the Future (Ames, Iowa)	1959
21	24	Russian Science AEC Symposium (Germantown, Maryland)	1960
22	1	University Subcritical Assemblies Conference (Gatlinburg, Tennessee)	1961
21	25	Reactors – Symposium on the Programming and Utilization of Research (Vienna, Austria)	1961
22	2	Nuclear Education Science and Engineering Conference on Progress (Gatlinburg, Tennessee)	1962
25	2	Lecture – Nuclear Energy in the U.S. (Saclay, France)	1962

Box	Folder	Title	Dates
22	3	Engineering Education Symposium (University of Alabama) (paper – Learning, Training, or Education?)	1962
22	4	NASA – University Conference on the Science and Technology of Space Exploration (Chicago, Illinois)	1962
22	5	PanAmerican Union of Engineering Organizations (UPADI) Conference (San Juan, Puerto Rico)	1962
22	6	Standards Engineering Society (SES) founders meeting	1963
22	7	Association of State Universities and Land Grant Colleges Annual Conference (Washington D. C.)	1964
25	4	Lecture – Similitude	1965
22	8	Plowshare Symposium (Las Vegas)	1965
22	9	Plasmas and Controlled Fusion Topical Conference (University of Michigan)	1965
22	10	Qualified Instructors' Updating Seminar (Washington D.C.)	1965
22	11	American Nuclear Society (ANS) meeting of Niagara Finger Lakes section (paper – Nuclear Education Today – Is it Meeting Needs)	1966
22	12	Rensselaer Hartford Graduate Center Meetings	1966
22	13	Engineering Education Commission Meeting (Boulder, Colorado)	1966
22	14	Pan-American Congress on Engineering Education (Mexico City) (paper – The American Society for Engineering Education (ASEE) as an International Organization) (contains letters from Frances Murphy)	1966
22	16	Nuclear Energy Abundant Conference (Glenn Murphy Panelist)	1968
22	17	ANS/CAN Joint Conference (Toronto, Canada)	1968
22	18	Office of Critical Tables advisory board meeting (Washington D. C.)	1968
23	1	Coal Creek Basin Water and Sanitation Association Meeting	1969
23	2	Idaho Nuclear Corporation Conference	1969
23	3	Engineering at Oak Ridge National Laboratory 5th Annual Conference	1970

Box	Folder	Title	Dates
23	4	Detroit Edison Education – Industry Conference (Detroit, Michigan)	1970
23	5	Detroit Edison Education – Industry Conference (Detroit, Michigan)	1970
23	6	Pan American Federation of Engineering Associations XI Convention (Buenos Aires, Argentina)	1970
23	7	Midwest Nuclear Compact Conference	1970
25	3	Lecture – National Tsing Hua University Series	1971
23	8	Reactor Technology 1st International Conference on Structural Mechanics (Berlin, Germany)	1971
23	9	Reactor Technology 1st International Conference on Structural Mechanics (Berlin, Germany)	1971
23	10	Shell Structures Pacific Symposium International Association (Honolulu, Hawaii and Tokyo, Japan) (contains photographs)	1971
24	1	XII UPADI Convention in Lima, Peru	1972
24	2	Maupin engineering leaders tour travel log and photograph	1973
24	3	Japan – U.S. Cooperative Science Program Seminar	1973
25	6	Lecture – Story County Republican Women’s Club Panel – Energy Crisis	1973
25	7	Lecture – American Association of University Women – Energy Crisis	1973
24	4	PEE/Iowa Breakfast Meeting (Dubuque, Iowa)	1974
24	5	International Engineering Bicentennial Conference, Glenn Murphy Chair	1975
24	6	ANS Nuclear Engineering Education 20th Anniversary “Past and Future”	1975
24	7	Iran Conference on Transfer of Nuclear Technology	1977
21	7	Aeronautical Conference 3rd Anglo-American	undated

Description of series

Series 5 Course Materials 1935-1975, undated

extent: 1.68 linear feet (4 document boxes)

description: This series is a collection of material from courses in Theoretical and Applied Mechanics and Nuclear Engineering taught by Murphy. The documents include notes, curriculum outlines, reports, review questions, and graduate exams. This series is listed chronologically.

Container list

Box	Folder	Title	Dates
28	17	Department purchases	1935-1973
53	7	<i>Mechanics of Fluids</i> (bound volume)	1937
25	28	Class notes	1937-1973
26	4	Technology and applied mechanics – departmental manual	1938
26	5	Graduate exams	1939-1955
26	6	Theoretical and Applied Mechanics course material	1940-1944, undated
25	13	Hydraulics of fluid mechanics	1942
26	7	“The Freshman Year” report by J. A. Starrak and R. M. Hughes	1943
26	10	Curricula changes recommended	1945
26	9	Curricula in engineering for NROTC students	1945
26	8	Mechanical engineering 15 – student work	1945
26	11	Theoretical and Applied Mechanics proposed research projects	1945
26	14	Laboratory of Mechanics 101 notebook	1947
26	13	Theoretical and Applied Mechanics in proposed curriculum	1947
26	12	Charts	1947-1962, undated
28	18	Interoffice communications	1947-1975
26	17	Course material	1948

Box	Folder	Title	Dates
26	15	Curriculum in engineering – engineering science, general engineering, and engineering physics	1948
26	16	Use of part-time undergraduate assistants	1948
26	19	Engineering faculty roster	1949
26	20	Notebook	1949
26	18	Notes	1949 ca.
25	8	Course 518	1949, undated
25	26	Curriculum data	1949-1971
27	1	Committee – graduate studies engineering division	1951-1952
27	2	<i>Similitude in Engineering</i> – notes	1951-1960
27	4	Graduate lists	1952-1953
27	3	Committee on Classified Theses	1952-1961
27	6	Institute of Aeronautical Sciences – student competition	1953-1954
27	5	Nuclear engineering	1953-1969
27	8	Committee – graduate studies	1955
27	10	Engineering science	1955
27	9	Nuclear Engineering E. S. 581	1955
27	7	Theses research reports – master and doctoral	1955-1959
27	12	Curriculum in engineering mechanics	1956
27	11	Nuclear engineering education	1956
27	13	Theoretical and applied mechanics and engineering science	1956-1959
27	14	Graduate catalog changes	1957
27	15	Material science – uranium creep	1957
27	16	Theoretical and Applied Mechanics proposed curriculum	1959
27	17	Theoretical and Applied Mechanics nuclear engineering	1959-1960
27	18	Degree programs – French	1961-1962
27	19	Curriculum – engineering science	1961-1963
27	20	Nuclear Engineering 510 and 542	1962
27	21	Course material and class lists – engineering science	1962-1965

Box	Folder	Title	Dates
28	1	Committee – graduate study regarding water resources program	1963
28	2	Computer usage reports	1964
28	3	Employment – engineering graduates	1964-1973
28	4	Placemen office – engineering	1964-1973
28	5	Engineering science	1965-1966
28	6	Admission reports – undergraduate	1965-1973
28	7	Engineering science	1969-1973
28	8	Report H. D. Curet and R. F. Forman	1970
28	9	Neutron bombardment notes and references	1971 ca.
28	13	Academic planning	1972
28	11	Council, department executive officers	1972
28	14	Nuclear Engineering Department	1972
28	10	Resume reviews for staff positions	1972
28	15	Off-campus credit classes	1973
28	16	Notes on student projects	1975
25	9	Advanced Technical Statics 524	undated
25	27	Aerospace – opinionnaire on teaching effectiveness	undated
25	10	Architecture 341	undated
26	2	Contents of notebook	undated
26	3	Contents of notebook	undated
25	15	Cornell University – nuclear engineering curriculum	undated
25	30	Engineering division policy committee report	undated
25	12	Fundamental consideration of variables	undated
25	29	Graduate program in energy management and power	undated
25	14	Mechanical engineering – 15	undated
25	32	New demands on engineering education	undated
26	1	Notes and log	undated
25	16	Nuclear engineering – emergency procedures	undated
25	17	Nuclear engineering – introductory theory	undated
25	18	Nuclear engineering and reactors	undated

Box	Folder	Title	Dates
25	31	Personal evaluation guides	undated
25	25	Proposed changes in graduate courses	undated
25	19	Proposed nuclear engineering course 510	undated
25	20	Rail steel notes	undated
25	11	Review questions – engineering materials	undated
25	33	The Engineer – What Should He Be? By J. F. Downie Smith	undated
25	21	Theoretical and Applied Mechanics 524	undated
25	22	Theoretical and Applied Mechanics 544	undated
25	23	Theoretical and Applied Mechanics 585	undated
25	24	Turbine notes	undated

Description of series

Series 6 Professional Organizations and Affiliations 1935-1978, undated

extent: 7.56 linear feet (18 document boxes and 3 folders)

description: This series contains information from the numerous organizations with which Glenn Murphy was affiliated. Included is information from annual meetings of different organizations, committee reports, and proposals for grants. Some of the groups with which Murphy was involved include the American Society of Agricultural Engineers, American Society for Engineering Education, the American Nuclear Society, the American Society of Mechanical Engineers, the Commission on Engineering Education, and the Atomic Energy Commission. Most acronyms are spelled out in their first listing with each succeeding entry listed by acronym only. An [appendix](#) to the collection lists out all acronyms. This series is listed alphabetically.

Container list

Box	Folder	Title	Dates
46	4	Atomic Energy Commission (AEC) – commission on college science	1962
46	5	AEC – commission on engineering education annual report	1965

Box	Folder	Title	Dates
46	1	AEC – computations committee	1951
46	7	AEC – engineering coop committee	1967
45	5	AEC – fellowship program – nuclear science and engineering	1962
46	2	AEC – National Research Council advisory committee	1956 ca.
45	4	AEC – nuclear science and engineering fellowship board	1962
45	3	AEC – proceedings of university reactors conference	1960
45	13	AEC – program contract no. AT – (40 – 1) – 3335	1971
46	3	AEC – reactor committee	1959-1960
45	2	AEC – university reactors conference (Gatlinburg, Tennessee) – Glenn Murphy guest speaker	1960
46	6	AEC – Winston Churchill Memorial Committee	1967
39	19	AMU Argonne National Laboratory Engineering Practice School	1961-1962
40	22	AMU Argonne University Association meeting minutes	1972
40	18	AMU board of directors meeting minutes	1966
40	7	AMU conference on energy conversion	1964
39	20	AMU faculty student conference	1962
40	14	AMU faculty student conference	1965
40	15	AMU fellowship board meeting evaluation report and reports from past meetings (1960-1964)	1965
40	2	AMU fellowship committee	1963
40	16	AMU fellowship meeting	1965
39	15	AMU graduate deans meeting report prepared by J. L. Waling and J. H. Roberson	1961
40	4	AMU high voltage electron microscope meeting	1963
39	14	AMU nuclear engineering education committee (NEEC) meeting minutes	1960-1964
40	9	AMU practice schools	1964
40	13	AMU predoctoral fellowships	1965
39	18	AMU symposium on nuclear power (University of Arizona) (paper – Current Trends in Nuclear Power by Glenn Murphy)	1962

Box	Folder	Title	Dates
40	17	AMU: 7 th annual AMU conference – Glenn Murphy organizer	1965-1966
39	13	AMU: Argonne coop student training	1960
40	20	AMU-ANL fellowship board meeting	1966
39	21	AMU-ANL heat transfer group conference	1962-1963
39	17	AMU-ANL materials seminar	1962
40	11	AMU-NEEC	1961-1965
40	3	AMU-NEEC	1963
40	6	AMU-NEEC committee meeting	1964
40	19	AMU-NEEC evaluation report regarding AMU-ANL engineering practice school by Glenn Murphy and Bobbie L. Richardson, and preliminary report on objective criteria in nuclear engineering education	1966
40	1	AMU-NEEC fellowship program	1963
40	5	AMU-NEEC meeting	1964
40	8	AMU-NEEC meeting	1964
40	10	AMU-NEEC meeting	1964-1965
40	12	AMU-NEEC meeting	1965
40	21	AMU-NEEC meeting minutes	1968
39	16	AMU-NEEC users group committee meeting	1961
38	14	American Nuclear Society (ANS) 9 committee – correspondence	1975
38	17	ANS 9 committee – correspondence, terminology, and units	1978
38	13	ANS 9 – glossary revision	1974
38	16	ANS 9 – standards committee	1977
38	12	ANS 9 – subcommittee	1973
38	9	ANS – annual meeting	1964
38	15	ANS committee – correspondence	1976
38	8	ANS nominating committee	1961-1963
38	10	ANS project units – standards committee	1964
38	7	ANS shielding division – meeting minutes	1961-1962

Box	Folder	Title	Dates
38	6	ANS winter meeting – two copies of Nuclear News (September and December 1960)	1960
38	11	ANS winter meeting – official program	1970
38	5	ANS Project-10	1959-1961
28	19	ASAE (paper – Identifying Soil Dynamic Parameters for Soil-Machine Systems)	1969
28	20	ASCE prepared discussion	1956
32	6	ASEE – CEE news bulleting	1963
32	3	ASEE “Your President Reports” by Glenn Murphy	1963
32	9	ASEE 71 st annual meeting (University of Pennsylvania) – Glenn Murphy president	1963
33	6	ASEE 73 rd annual meeting	1965
33	1	ASEE annual banquet program	1964
37	8	ASEE annual conference – world development congress	1974-1975
36	14	ASEE annual conference (Annapolis, Maryland) (paper – Formulation of Objective Criteria : an Educator’s Viewpoint by Glenn Murphy); includes papers by others	1971
37	10	ASEE annual conference (Colorado State University)	1975
37	11	ASEE annual conference (Colorado State University)	1976
37	1	ASEE annual conference (Iowa State University) (paper – Progress in Wind Engineering by Joseph E. Minor, et. al.)	1973
36	18	ASEE annual conference (Texas Tech.) (paper – The Response of Education in Preparing Engineering Professionals for Today’s Federal Service by Glenn Murphy)	1972
38	2	ASEE annual conference (University of North Dakota)	1977
37	12	ASEE annual conference (University of Tennessee) (paper – An Ounce of Prevention by Glenn Murphy)	1976
37	6	ASEE annual conference education resources	1974
36	9	ASEE annual conference; honorary award to Glenn Murphy	1970
33	2	ASEE annual meeting	1964
29	3	ASEE annual meeting (Austin, Texas)	1948
30	4	ASEE annual meeting (Berkeley, California)	1958

Box	Folder	Title	Dates
29	18	ASEE annual meeting (Cornell University)	1957
33	13	ASEE annual meeting (Illinois Institute of Technology); (paper by Glenn Murphy – Science, Technology, or Both)	1965
29	12	ASEE annual meeting (Iowa State University)	1956
29	5	ASEE annual meeting (Michigan State)	1951
Artifact collection		ASEE annual meeting (Michigan State) commemorative ash tray (artifact 2009-R010.005)	1951
29	2	ASEE annual meeting (Minneapolis, Minnesota)	1947
30	6	ASEE annual meeting (paper – Nature and Properties of Materials)	1959
30	11	ASEE annual meeting (Purdue University)	1960
29	1	ASEE annual meeting (St. Louis, Missouri)	1946
31	4	ASEE annual meeting (U.S. Air Force Academy) – Glenn Murphy president	1962
36	7	ASEE annual meeting, banquet, and final programs	1970
36	8	ASEE annual meeting, board minutes	1970
29	17	ASEE annual report	1957
31	10	ASEE board of directors – committee on relations with the Atomic Energy Commission	1962
31	11	ASEE board of directors – committee on student attrition report	1962
33	21	ASEE board of directors meeting	1966
34	10	ASEE board of directors meeting	1967
35	4	ASEE board of directors meeting	1968
32	11	ASEE board of directors meeting – Glenn Murphy presiding (June)	1963
33	10	ASEE board of directors meeting (April)	1965
34	6	ASEE board of directors meeting (Chicago, Illinois)	1966
33	5	ASEE board of directors meeting (December)	1964
34	4	ASEE board of directors meeting (Denver, Colorado)	1966
34	14	ASEE board of directors meeting (East Lansing, Michigan)	1967
32	13	ASEE board of directors meeting (January)	1964

Box	Folder	Title	Dates
33	8	ASEE board of directors meeting (January)	1965
33	12	ASEE board of directors meeting (June)	1965
33	20	ASEE board of directors meeting (Kansas State University)	1966
33	9	ASEE board of directors meeting (March)	1965
34	8	ASEE board of directors meeting (New York, New York)	1967
32	12	ASEE board of directors meeting (September)	1963
33	15	ASEE board of directors meeting (September)	1965
34	3	ASEE board of directors meeting (Washington D. C.)	1966
31	15	ASEE board of directors meeting minutes	1963
32	4	ASEE board of directors meeting minutes	1963
32	18	ASEE board of directors meeting minutes	1964
33	18	ASEE board of directors meeting minutes	1965
33	22	ASEE board of directors meeting minutes	1966
35	7	ASEE board of directors meeting minutes	1968
34	19	ASEE board of directors meeting minutes (Las Vegas, Nevada)	1967
34	13	ASEE board of directors meeting minutes (Louisiana State University)	1967
35	2	ASEE board of directors meeting minutes (New Orleans, Louisiana)	1968
34	18	ASEE board of directors meeting minutes (Toronto, Ontario, Canada)	1967
34	17	ASEE board of directors meeting minutes (Washington D. C.)	1967
31	17	ASEE board of directors southwest section meeting	1963
36	23	ASEE civil preparedness committee (paper – Laboratory Modeling of the Tornado Suction Mechanism by C. T. Hsu)	1973
36	22	ASEE civil preparedness committee meeting	1973
37	9	ASEE civil preparedness committee meeting – Glenn Murphy chairman	1974
36	20	ASEE civil preparedness program committee meeting minutes	1972

Box	Folder	Title	Dates
29	14	ASEE committee appointments	1957
30	8	ASEE committee appointments	1960-1963
36	3	ASEE committee meeting	1969
29	10	ASEE committee on atomic energy education	1956 ca.
30	1	ASEE committee on constitution and bylaws	1957
34	12	ASEE committee on goals interim report	1967
36	4	ASEE committee on reorganization of the society – Glenn Murphy chairman	1969
29	16	ASEE committee reports (some correspondence from December 1956)	1957
36	21	ASEE conference committee meeting minutes	1972-1973
36	19	ASEE conference executive committee minutes	1972
37	2	ASEE conference program book	1973
31	13	ASEE correspondence – Latin America	1963
31	6	ASEE council committees	1962
32	7	ASEE council of sections and branches meeting minutes	1963
31	8	ASEE engineering education symposium (University of Alabama); dedication of new facilities with Glenn Murphy as presenter (paper – Learning, Training, or Education?)	1962
30	2	ASEE executive board meeting	1958
30	14	ASEE executive board meeting	1961
31	2	ASEE executive board meeting	1962
33	17	ASEE executive board meeting minutes	1965
30	3	ASEE general council (Berkeley, California)	1958
30	7	ASEE general council meeting minutes	1959
29	9	ASEE general council meetings (Pennsylvania State University)	1955
32	16	ASEE guide for program planning	1964
36	17	ASEE honorary membership committee	1972-1973
36	24	ASEE honorary membership committee	1973
37	4	ASEE honorary membership committee	1973-1974

Box	Folder	Title	Dates
31	3	ASEE Journal of Engineering Education – Glenn Murphy president of ASEE, page 647	1962
38	1	ASEE Lamme Award committee	1977
37	5	ASEE Lamme Award committee correspondence and nomination supporting material	1974-1976
38	3	ASEE Lamme Award nomination	1978
32	8	ASEE location of society headquarters	1963
29	13	ASEE manual on “Formation of RWI Sections” prepared by relations with industry division	1956
31	12	ASEE new members	1963-1965
30	12	ASEE nuclear committee preliminary report on objective criteria in nuclear engineering education	1961
30	13	ASEE objective criteria committee correspondence	1961-1963
37	7	ASEE Order of the Purple Badges	1974-1976
37	3	ASEE Order of the Tattered Purple Badges (ASEE past presidents)	1973
34	5	ASEE paper by Glenn Murphy – ASEE as an International Organization	1966
38	4	ASEE papers and information	1956-1969
36	16	ASEE past presidents (Tattered Purple Badges)	1971-1972
36	13	ASEE past presidents club	1971
31	9	ASEE project operating unit meeting minutes	1962
35	3	ASEE project operating unit vice-president Glenn Murphy report	1968
31	7	ASEE project proposal – Phase I Programmed Learning Project submitted by Glenn Murphy	1962
35	5	ASEE project proposals (projects operating units)	1968
36	11	ASEE projects board – proposal for visiting engineer program	1971
36	2	ASEE projects board meeting minutes	1969
36	10	ASEE projects board meeting minutes	1970
36	12	ASEE projects board meeting minutes	1971
36	15	ASEE projects board meeting minutes	1971

Box	Folder	Title	Dates
36	5	ASEE projects board meeting minutes (Washington D. C.)	1970
36	6	ASEE projects board meeting minutes (Washington D. C.)	1970
33	19	ASEE projects operating executive board meeting minutes (January and March)	1966
35	14	ASEE projects operating unit – proposal for program of liberal learning for engineers	1969
34	9	ASEE projects operating unit meeting	1967
33	16	ASEE projects operating unit meeting – proposal to the National Science Foundation for support of a study of undergraduate education in engineering technology	1965
33	11	ASEE projects operating unit meeting (April)	1965
32	10	ASEE projects operating unit meeting (Chicago, Illinois)	1963
33	7	ASEE projects operating unit meeting (January)	1965
34	1	ASEE projects operating unit meeting (June)	1966
34	15	ASEE projects operating unit meeting (Michigan State University)	1967
33	4	ASEE projects operating unit meeting (September)	1964
34	2	ASEE projects operating unit meeting (September)	1966
35	15	ASEE projects operating unit meeting agenda	1969
36	1	ASEE projects operating unit meeting agenda – 1968-1969 ASEE-NSF visiting engineer program record of applicants, participating institutions, and visitors	1969
31	18	ASEE projects operating unit meeting minutes	1963
34	7	ASEE projects operating unit meeting minutes	1967
35	1	ASEE projects operating unit meeting minutes	1968
35	6	ASEE projects operating unit meeting minutes	1968
35	13	ASEE projects operating unit meeting minutes	1969
33	3	ASEE projects operating unit meeting minutes (June)	1964
35	10	ASEE projects operating unit meeting minutes (sponsored society projects list)	1968
35	9	ASEE projects operating unit meeting minutes (University of California at Los Angeles)	1968

Box	Folder	Title	Dates
32	5	ASEE projects operating unit meeting minutes and annual report	1963
32	14	ASEE projects operating unit meeting minutes and proposals	1964
33	14	ASEE projects operating unit meeting proposal for support of a world congress on engineering education	1965
35	8	ASEE projects operating unit project proposals	1968
35	11	ASEE projects operating unit project proposals	1968
35	12	ASEE projects operating unit proposal – U.S./Japan industry conference	1968
32	17	ASEE projects operating unit proposals	1964
34	11	ASEE projects operating unit report	196
34	16	ASEE projects unit meeting	1967
32	15	ASEE proposal for world congress on engineering education	1964
31	19	ASEE proposal to National Science Foundation for support of a mission on engineering education to Russia	1963
29	8	ASEE report from engineering education evaluation committee	1954
31	16	ASEE report on nuclear engineering education – Glenn Murphy chairman (contains reports dated 1960-1962)	1963-1964
30	9	ASEE report on objective criteria in nuclear engineering education	1960-1962
29	15	ASEE southeastern section annual meeting	1957
31	14	ASEE subcommittee reports	1963
29	19	ASEE summer institute	1957
30	5	ASEE summer institute	1958
29	7	ASEE Summer Institute on Nuclear Science in Engineering Education	1954
32	2	ASEE summer institute on orientation in nuclear energy	1963
31	5	ASEE summer institutes	1963
29	4	ASEE summer school	1949-1950
29	6	ASEE symposium on solid state physics – Glenn Murphy conference secretary	1954

Box	Folder	Title	Dates
30	15	ASEE technical planning committee report	1961
32	1	ASEE terminal letters to committees	1963
31	20	ASEE university president invitation to annual meeting	1963
29	11	ASEE women's program	1956
28	21	ASEE) annual meeting programs	1936-1955
31	21	ASEE/AEC summer orientation institute at Iowa State (photograph included)	1963
31	22	ASEE/AEC summer orientation institute at North Carolina State College	1963
30	10	ASEE/American Nuclear Society (ANS) committee on objective criteria for nuclear engineering education	1960-1961
31	1	ASEE/ANS committee list	1962
39	8	ASME and American Society for Testing Materials (ASTM) awards correspondence	1958-1962
38	19	ASME Kansas City with Glenn Murphy as guest speaker; newspaper clipping, poster, and correspondence	1951-1952
39	2	ASME meeting (Kansas City) (paper – Nuclear Power Developments by Glenn Murphy)	1958
39	5	ASME Pittsburgh	1961
39	3	ASME publication: "Prediction of Critical Pressures for the Two-Phase Flow of Saturated Water in Pipes" by Glenn Murphy and D. O. Stuart	1958
39	7	ASME research committee	1976
39	4	ASME research committee: effects of radiation	1960-1962
39	6	ASME research committee: effects of radiation on materials	1973
38	18	ASME national lecture series tour	1951-1952
39	1	ASME: "Role in Powered Flight Transactions of the ASME – Experimental Technique for Predicting the Dynamic Behavior of Rubber" by Glenn Murphy and Richard Dove	1955
39	9	ASME: Argonne National Laboratory review committee	1958
39	11	ASME: Argonne National Laboratory summer institutes	1958

Box	Folder	Title	Dates
39	10	ASME: AUA-NEEC meeting minutes (Argonne Universities Association)	1968
39	12	Associated Midwest Universities (AMU) education committee	1959
44	10	Atomic Energy Commission (AEC)	1956-1958, undated
42	6	CEE ad-hoc joint committee meeting summary	1967
42	2	CEE advisory committee to ECCP	1967
42	10	CEE annual meeting (Washington D. C.)	1968
41	8	CEE annual meeting minutes	1965
41	9	CEE annual meeting proceedings and annual report	1963-1965
41	6	CEE annual report	1963
41	7	CEE annual report and "The Social Need for Engineering Education" by Newman A. Hall	1964-1965
42	4	CEE annual report with information regarding the Bi-University Institutional Liaison for Development between the University of Colorado and the University of Illinois, meeting minutes, and Cosine Committee preliminary report	1966-1967
42	5	CEE board of directors meeting	1967
41	17	CEE board of directors meeting – Glenn Murphy special guest	1966
42	3	CEE board of directors meeting minutes	1966-1967
41	5	CEE certificate of incorporation and meeting minutes	1962-1963
42	7	CEE Cosine Committee reports	1967-1968
42	1	CEE Cosine Committee summary of talks and discussion group recommendations	1967
41	10	CEE design workshop	1965
42	8	CEE executive committee meeting minutes	1968
42	9	CEE implementation of association of CEE and NAE	1968
41	4	CEE informal conference notes	1963
41	3	CEE inter-American Engineering Educators Conference	1962

Box	Folder	Title	Dates
41	19	CEE meeting (Washington D. C.) and proposal to the National Science Foundation for the continued support of the engineering concepts curriculum project	1966-1967
41	14	CEE meeting minutes	1965
41	18	CEE meeting minutes – accounting review	1966
41	12	CEE meeting minutes – Glenn Murphy special guest	1965
41	2	CEE meeting minutes and bylaws draft	1962
41	11	CEE meeting minutes and proposal to the National Science Foundation for the support of a conference on the impact of computers on education in engineering program	1965
41	15	CEE meeting minutes and publications	1966
42	11	CEE National Academy of Engineering – status report	1968
41	13	CEE project proposal to the National Science Foundation – World Congress on Engineering Education Proposal – A Study to Prepare Definite Recommendations for an Undergraduate and Graduate Program in Computer Sciences in Electrical Engineering	1964
42	12	CEE special meeting of members	1968
41	16	CEE status report	1966
41	1	CEE) meeting agenda	1962
46	9	Department of Health Education and Welfare (DHEW) advisory committee report	1964
46	11	DHEW – consulting reviews	1965
46	18	DHEW – <i>Engineering Experiment Station</i> – Air Force special weapons	1963
46	17	DHEW – <i>Engineering Experiment Station</i> – proposal for establishing lab for measurement of stresses and strains by Glenn Murphy and correspondence	1937-1952
46	10	DHEW – graduate facilities (Title II)	1964-1965
46	14	DHEW – graduate facilities program	1968
46	16	DHEW – professional services contract	1970
46	13	DHEW – site visit (Georgia Institute of Technology)	1968
46	15	DHEW – site visit (Texas A&M)	1968

Box	Folder	Title	Dates
46	12	DHEW – site visit (University of Houston)	1965
42	13	National Science Foundation (NSF) – proposal for research on extension of analogies by means of nonlinear design and prediction equations – Glenn Murphy principal investigator	1954
42	19	NSF – “Course Impression Consulting” by Glenn Murphy	1962
43	18	NSF – advisory committee	1966
43	15	NSF – advisory committee engineering	1965
43	16	NSF – advisory committee for engineering	1966
43	20	NSF – advisory committee for engineering	1966
43	21	NSF – advisory committee for engineering	1966
43	3	NSF – advisory panel for chemistry (support of basic chemistry)	1964
43	6	NSF – divisional committee biological and medical – Glenn Murphy guest speaker	1964
43	7	NSF – divisional committee engineering correspondence	1964
42	17	NSF – engineering conference report	1961
43	9	NSF – engineering division annual report	1965
43	8	NSF – engineering division committee meeting	1964
43	12	NSF – engineering division committee meeting	1965
43	13	NSF – engineering division committee meeting	1965
43	17	NSF – engineering division subcommittee research	1966
42	15	NSF – lecture by Ernest Braun	1960
43	5	NSF – math, physics, and engineering division news bulletin, meeting minutes, and agenda	1963-1964
43	4	NSF – math, physics, and engineering divisional committee	1964
42	21	NSF – math, physics, engineering divisional committee	1962
43	1	NSF – math, physics, engineering divisional committee	1963
43	2	NSF – math, physics, engineering divisional committee	1963
42	14	NSF – proposal for science education project	1959
44	1	NSF – proposal from ASEE engineering education	1969
44	2	NSF – proposal reviews correspondence	1964-1970

Box	Folder	Title	Dates
44	3	NSF – report on nuclear engineering education and Japan seminar compiled by Glenn Murphy, coordinator of the United States team	1973
42	16	NSF – science faculty fellowship panel	1960
42	22	NSF – science faculty fellowship panel	1962
43	10	NSF – science faculty fellowship program	1965
43	11	NSF – subcommittee of engineering division – travel data	1965
43	19	NSF – subcommittee report to advisory committee	1966
42	20	NSF – summer institute (feedback forms)	1962
44	8	Society for the Promotion of Engineering Education (SPEE) – north-midwest section annual meetings	1935-1941
Artifact collection		SPEE – 46th annual meeting (Texas A&M College) commemorative medallion (artifact 2009-R010.006)	1938
44	5	SPEE – 47th annual meeting (Pennsylvania State College)	1939
44	6	SPEE – 48th annual meeting (University of California, Berkeley)	1940
44	9	SPEE – 52 anniversary meeting (Cincinnati, Ohio)	1944
44	7	SPEE – committees	1937-1940
44	4	SPEE – Iowa-Wisconsin regional meeting program and 46th annual meeting material	1936-1938

Description of series

Series 7 **Iowa State University** **1936-1977, undated**

extent: 45 folders

description: This series contains information related to Murphy's work at Iowa State with particular regards to his work with nuclear reactors. Included in this series are records pertaining to the Curtiss-Wright Engineering Cadette program, the Department of Theoretical and Applied Mechanics, and the Department of Nuclear Engineering. The Curtiss-Wright Engineering Cadette files include curriculum planning information, coursework, and reviews of Curtiss-Wright programs at other schools. This series is listed chronologically.

Container list

Box	Folder	Title	Dates
48	1	Proposed research projects	1936-1952
2	4	Sigma Xi	1937-1974
2	6	Annual Reports	1938-1977
47	5	Curtiss-Wright Corporation engineering manual and structural design data	1942
2	5	Osborn Club	1942-1972, undated
47	1	Curtiss-Wright Engineering Cadette Program – second curriculum meeting	1943
47	2	Curtiss-Wright Engineering Cadette Program at the University of Texas	1943
47	3	Curtiss-Wright Engineering Cadette Program – elementary structures course	1943 ca.
47	4	Curtiss-Wright Engineering Cadette Program (airplane stress analysis)	1943 ca.
47	6	Curtiss-Wright Engineering Cadette Program course material	1943, undated
48	2	Controllable-pitch propeller hub – Glenn Murphy and Wilbur C. Nelson	1945
46	1	AEC – computations committee	1951
46	19	Ames Laboratory publications list	1951
48	15	IEES 269s project	1951
46	20	Ames Laboratory annual report	1951-1952
44	11	AEC – report on reactor safeguards	1954
47	8	Nuclear energy source material, including photographs and publications	1955-1960, undated
48	3	Bristow aircraft conversions (Piper PA-II conversion)	1956
46	2	AEC – National Research Council advisory committee	1956 ca.
47	7	Proposals to U.S. Atomic Energy Commission and National Science Foundation regarding laboratory facilities in nuclear engineering at Iowa State University – Glenn Murphy principal investigator	1956, undated
2	7	25 Year Club	1957

Box	Folder	Title	Dates
48	4	Daystrom nuclear proposal	1957
47	9	Nuclear reactor publicity, including newspaper clippings, photographs, and publications	1957-1959
44	12	AEC – correspondence regarding Iowa State University reactor	1958
44	13	AEC – plowshare reports	1958
44	14	AEC – plowshare reports	1959
13	12	Reactor Dedication of Iowa State	1959
46	3	AEC – reactor committee	1959-1960
48	5	Chile project	1959-1960
45	3	AEC – proceedings of university reactors conference	1960
45	1	AEC – report “Atomic Research and Development – The Role of Industry”	1960
45	2	AEC – university reactors conference (Gatlinburg, Tennessee) – Glenn Murphy guest speaker	1960
48	6	Iowa Power and Light Company	1960
47	10	Nuclear engineering administrative committee, including Iowa State reactor uses and data sheet, schedule for conference, and “Nuclear Science Fundamentals” by Donald S. Sasscer	1960
42	18	NSF – summer institute at Iowa State University	1961
9	27	Organization for a Computing Center for Iowa State University	1961 ca.
46	4	AEC – commission on college science	1962
45	5	AEC – fellowship program – nuclear science and engineering	1962
45	4	AEC – nuclear science and engineering fellowship board	1962
45	6	AEC-ASEE summer institute in orientation in nuclear energy (Iowa State University) (photograph included)	1962
48	7	American Council on Education grant	1962
48	8	U.S. Air Force proposal	1963-1965
45	7	AEC – plowshare program (University of California, Davis)	1964
48	10	Grant GE-2261 – correspondence	1964-1967

Box	Folder	Title	Dates
46	5	AEC – commission on engineering education annual report	1965
43	14	NSF – advisory committee (Iowa State University)	1965
48	11	Grant GE-2261	1965-1967
48	9	Grant 2261 – lab experiments	1966
46	7	AEC – engineering coop committee	1967
46	6	AEC – Winston Churchill Memorial Committee	1967
22	15	Nuclear Science and Engineering Fellowship advisers meeting (paper – Iowa State University Program in Radiation Effects)	1967
48	12	Air pollution grant	1967-1968
2	8	Alumni Association, Iowa State University – faculty citation, photograph, ribbon, and program	1968
45	9	AEC – report on fire at the Rocky Flats Plant	1969
45	8	AEC – research proposal	1969
11	7	Instruction in Application of Nuclear Devices at Iowa State University	1969
48	13	Test – liquid metal corrosion of yttrium by uranium chromium eutectic and uranium-chromium-iron alloys – Glenn Murphy, Robert S. Cash, and Ray W. Fisher (includes photographs)	1969
2	3	Phi Kappa Phi	1969-1971
45	11	AEC – citation to George B. Darling	1970
48	14	Singapore polytechnic program	1970
45	13	AEC – program contract no. AT – (40 – 1) – 3335	1971
45	12	AEC – rules and regulations	1971
48	16	Energy policy program	1972
28	12	Council, Iowa State engineering advisory	1972-1973
48	17	Proposal – angular momentum transfer by gravitational transients during the origin and development of the solar system – Dr. Larry Schlenker	1973
46	21	Ames Laboratory security	1974
46	8	AEC – black engineering colleges development committee	1975

Box	Folder	Title	Dates
14	9	Cooperative program – University of Hawaii and Iowa State University College of Engineering	1975
48	18	Program evaluation solicitation	1977
45	10	Atomic Energy Commission (AEC) – Australia	undated
12	3	Instruction in Application of Nuclear Devices at Iowa State	undated

Description of series

Series 8 Consulting 1938-1978, undated

extent: 2.1 linear feet (5 document boxes)

description: This series contains information regarding Glenn Murphy's work as a consultant for various organizations, including the United States Army as well as private companies. This series is listed chronologically.

Container list

Box	Folder	Title	Dates
53	1	Book contracts with publishers	1938-1959
49	1	Blasting frozen ground calculations	1939
49	4	Red Jacket Manufacturing	1939-1941
49	3	Mathematical tables project (Department of Commerce)	1940
49	2	Rolscreen Company	1940
49	5	Rilco laminated products timber connectors	1941
49	6	Queen Stove Works, Inc.	1942
49	7	General dry batteries	1945-1946
53	4	New engineering building (plans and needs)	1950
49	8	Office of Naval Research	1952-1954
49	9	Corps of Engineering, U.S. Army (SIPRE FGA 53-1)	1954-1955, undated
49	12	U.S. Army cold regions research and engineering laboratory – Churchill blast test	1954-1962
49	11	Consulting engineer – "Pumps – With No Moving Parts" by Glenn Murphy	1955

Box	Folder	Title	Dates
49	13	U.S. Army cold regions research and engineering laboratory – Churchill blast test	1955-1956
49	10	Civil Aeronautics Administration	1955-1957, undated
49	15	Consultant work involving auto accidents for Brown, Dresser, and Kinsey law offices	1955-1958
49	16	Ordinance Engineering Corporation – John V. Atanasoff president	1956
49	14	U.S. Army cold regions research and engineering laboratory – Churchill blast test	1956
50	4	J. Lee Hill Claims Service	1956-1958
50	2	Report on the establishment of a doctoral program in engineering mechanics at the University of Florida	1957
50	7	Mason and Hanger – Silas Mason Co., Inc.	1957-1959, undated
50	1	U.S. Army snow, ice, and permafrost research establishment	1957-1962, undated
52	10	U.S. Army cold regions research and engineering lab	1958
50	6	Argonne review committee	1958-1960, undated
50	3	Bendix Aviation Corporation (oxygen supply systems)	1958-1962
50	13	Collins Radio Company	1958-1962
50	5	Sifford and Wadden law attorneys (Bouerly property case)	1959
50	8	University Consultant Inc. (brochure)	1960 ca.
50	9	U.S. Waterways	1960-1965, undated
52	11	U.S. Army snow, ice, and permafrost research establishment	1961
50	11	E. Loen Associates Management	1961-1962
50	12	National Science Foundation proposal review	1961-1964
50	10	Goodyear Aircraft Corporation	1962
50	14	U.S. Army cold regions research and engineering laboratory	1963-1964

Box	Folder	Title	Dates
50	15	Ph. D. in engineering mechanics at North Carolina State	1964
50	17	Graduate engineering programs at Oregon State University	1965
50	20	Ideal Industries, Inc. – irradiation	1965
50	19	Office of Civil Defense	1965
50	18	Report – Final on Cratering Similitude for U.S. Army Engineers	1965
50	16	University of Utah	1965
51	6	Idaho Nuclear Corporation (nuclear safety development)	1965-1970
51	1	McGraw-Hill Encyclopedia	1967
51	2	Phillips Petroleum Company	1967
51	3	Phillips Petroleum Company	1967-1968
51	4	Phillips Petroleum Company	1967-1968 ca.
51	5	Phillips Petroleum Company (Dr. Mervin smith, Larry Schlenker)	1968-1975, undated
51	7	Idaho Nuclear Corporation	1969-1971, undated
53	7	Wisdom Hall of Fame, including publication and certificate	1970
51	9	Panama Canal Company, including correspondence, blueprints, graphs, photographs, and reports	1970-1973
51	8	Volunteers in Technical Assistance (VITA)	1971-1976
52	6	Volunteers in Technical Assistance (VITA)	1971-1977
51	10	Batelle lab	1972
52	5	Aerojet Nuclear Company	1975
52	2	Energy Incorporated	1975
52	1	Energy Incorporated High Temperature Gas Reactor (HTGR)	1975
52	3	General Atomic Company data (HTGR)	1975
52	4	HTGR core seismic model analysis	1975
51	12	Oahu Stadium proposal for furnishing labor and materials required to construct in place complete	1975

Box	Folder	Title	Dates
51	11	Oahu Stadium Runaways Hawaiian Dredging and Construction Company	1975
52	8	Agreement with King Abdul Aziz University	1976
53	5	International Engineering Bicentennial Conference correspondence	1976
52	7	University of Riyadh	1976
52	9	Greenification of desert project for Saudi Arabia	1977-1978
53	3	Elements De Igenieria Nuclear – chapter 6 and glossary	undated
53	2	Elements of Nuclear Engineering (Galley proofs)	undated
53	6	Properties of engineering materials (chart tracings)	undated

Appendix

Acronym	Full Name
AEC	Atomic Energy Commission
AMU	Associated Midwest Universities
AMU-ANL	Associated Midwest Universities-Argonne National Laboratory
AMU-NEEC	Associated Midwest Universities-Nuclear Engineering Education Committee
ANL	Argonne National Laboratory
ANS	American Nuclear Society
ASAE	American Society of Automotive Engineers
ASCE	American Society of Civil Engineers
ASEE	American Society for Engineering Education
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing Materials
AUA	Argonne Universities Association
CEE	Commission on Engineering Education
CNA	Canadian Nuclear Association
DHEW	Department of Health Education and Welfare
ECPD	Engineers Council for Professional Development
HTGR	High Temperature Gas Reactor
IAS	Institute of the Aeronautical Sciences
IEES	Iowa Engineering Experiment Station
NAE	National Academy of Engineering
NASA	National Aeronautics and Space Administration
NROTC	Naval Reserve Officers' Training Corps
NSF	National Science Foundation
SPEE	Society for the Promotion of Engineering Education
VITA	Volunteers in Technical Assistance