

IOWA STATE UNIVERSITY

**Special Collections Department**

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**RS 11/10/19**

**Henry Montgomery Black (1907-1989)**

**Papers, 1889-1989**

**Descriptive summary**

creator: Black, Henry Montgomery (1907-1989)

title: Papers

dates: 1889-1989, undated

extent: 18.4 linear feet (13 record center cartons, 1 oversize box, 1 map drawer folder)

collection number: RS 11/10/19

repository: University Archives, Special Collections Department, Iowa State University.

**Administrative information**

access: Open for research excluding exceptions noted. Three folders that contain legal documents are closed until 2038 to ensure that all parties are deceased. Advance notice is required because materials are stored offsite.

publication rights: Consult Head, Special Collections Department.

preferred citation: Henry Montgomery Black Papers, RS 11/10/19, Special Collections Department, Iowa State University Library.

**Abstract**

Henry Montgomery Black was born on May 13, 1907, to Alexander and Sarah (Montgomery) Black of Reinbeck, Iowa. He received a B.S. (1929) from Iowa State College (University) and a S.M. (1934) from Harvard University in mechanical engineering. From 1946 until 1972, he served as a professor and head of the Department of Mechanical Engineering at Iowa State and, until 1977, taught courses on campus. During World War II, Black served in the United States Army Corps of Engineers (1941-1946), including landing at Utah Beach as chief engineer during the Allied invasion of Normandy on June 6, 1944. After the war, he served in the Army Reserve until 1960. The collection includes audiovisual materials, awards and certificates, calendars, clippings, correspondence, course materials, drawings, lecture notes, meeting minutes, memorandums, notes, reports, photographs, publications, subject files, and writings. The materials cover Black's early career through his death in 1989, with the bulk of the materials dated during his tenure at ISU, 1946-1972.

**Biographical note**

Henry Montgomery Black was born on May 13, 1907, to Alexander and Sarah (Montgomery) Black of Reinbeck, Iowa. He received a B.S. (1929) from Iowa State College (University) and a S.M. (1934) from Harvard University in mechanical engineering.

Black's professional career at Iowa State began when he was hired as an Instructor (1929-1932) in the Department of Mechanical Engineering. After he received his graduate degree from Harvard, Black worked in the private sector as a mechanical engineer (1934-1936) for the Chicago architectural firm of Berlin and Swern. He next worked as an engineer (1936-1941) for the Sargent and Lundy engineering firm in Chicago. After the war, Black returned to Iowa State University to serve as Professor and Head (1946-1972) of the Department of Mechanical Engineering. He continued teaching until 1977, when he retired with the title of Professor Emeritus. Black remained active in development efforts for the Alumni Association until his death in 1989.

Black joined the United States Army Reserve in 1929. During World War II, he served in the Army (1941-1946), including landing at Utah Beach as chief engineer during the Allied invasion of Normandy on June 6, 1944. He served in the military campaigns in Normandy, northern France, the Rhineland, Ardennes, and central Europe. Black received the Legion of Merit, the Bronze Star, and the Croix de Guerre. After returning from the war, Black returned to the Army Reserve and retired with the rank of Colonel in 1960.

Black was an active member of a number of professional organizations, including the American Society of Mechanical Engineers (ASME), the American Society for Engineering Education (ASEE), and the Iowa Engineering Society (IES). He was

instrumental in establishing the Central Iowa Section of ASME in 1946. Black worked to improve the relationship between ASME and educational institutions, as reflected in his work on education-related committees. At the state level, Black served as Vice-President (1950) and President (1952) of IES and received their John Dunlap Award (1949) and their Distinguished Service Award (1972).

In addition to his professional memberships, Black was very active in civic organizations in Ames. Among other commitments, he was a member and president (1959-1960) of the Ames Rotary Club; a member of the Boy Scouts of America troop and Properties and Facilities Committee member; a member and president (1978) of the Ames Chamber of Commerce; and an advisor to chapters of the service fraternity Alpha Phi Omega.

Iowa State University also bestowed several honors on Black. He received the Faculty Citation (1968) and in 1987, the then newly completed mechanical engineering facility was named the Henry M. Black Engineering Building.

Henry Black married Bernice Bernard of Clarion, Iowa, on October 6, 1936, and together they had two children, Bruce and Bernice. Black's wife, Bernice, died on May 25, 1961. He married Alice Redington of Waterloo in 1969, who predeceased him in 1982. Henry Black died on October 18, 1989, and was buried in the ISU Cemetery.

### **Collection description**

The collection (1889-1989, undated) includes audiovisual materials, awards and certificates, calendars, clippings, correspondence, course materials, drawings, lecture notes, meeting minutes, memorandums, notes, reports, photographs, publications, subject files, and writings. The materials cover Black's early career through his death in 1989, with the bulk of the materials dated during his professional years at ISU (1946-1972). The collection's original order has been maintained where possible, reflecting Black's working methods and organization. An appendix details common engineering abbreviations found in the collection, mostly those of professional organizations.

Series 1, Biographical Information, contains information regarding Black's personal life, covering his roles as ISU engineering student and instructor, high school and ISU class representative, Harvard University and Harvard Business School graduate student, and service member of the U.S. Army Corps of Engineers. Material types include artifacts, awards, certificates, clippings, correspondence, engineering schematic drawings, membership cards, notes, photographs, speeches, and writings.

Series 2, University Records, contains materials generated during the course of Black's professorship, headship, and related duties at Iowa State University. Topics that are addressed include fundraising for the mechanical engineering department and the Black Engineering building; College of Engineering and departmental procedures; course and

lecture materials; consulting jobs undertaken while at the University; and committee memberships. Materials include artifacts, correspondence, course materials, meeting minutes, memorandums, notes, pamphlets, photographs, programs, reports, and writings.

Series 3, Professional and Civic Involvement, reflects Black's activities in engineering professional organizations as well as local civic organizations. Material types include artifacts, correspondence, certificates, examinations, membership cards, minutes, newsletters, notes, photographs, publications, reports, and scrapbooks. Three folders in this series are closed until 2038 due to privacy concerns.

### Related materials

Related collections in the University Archives, Iowa State University Library include:

- Henry Montgomery and Bernice Bernard Black Family Papers, RS 21/8/12
- Arthur C. Bergles Papers, RS 11/10/21

### Organization

The collection is comprised of three series, reflecting their original arrangement:

Series 1: Biographical Information, 1929-1989, undated (alphabetical)

Series 2: University Records, 1929-1989, undated (alphabetical)

Series 3: Professional and Civic Involvement, 1889-1989, undated (alphabetical)

### Description of series

**Series 1                      Biographical Information    1929-1989, undated**

extent:                      2.6 linear feet (2 record center cartons, 1 map case drawer folder)

description:              This series contains information regarding Black's personal life, covering roles such as ISU engineering student and instructor, high school and ISU class representative, Harvard University and Harvard Business School graduate student, and service member of the U.S. Army Corps of Engineers. The series includes artifacts, awards, certificates, clippings, correspondence, engineering schematic drawings, membership cards, notes, photographs, speeches, and writings.

**Container list**

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
1	1	Alice Redington Black Fund for the Performing Arts	1981
1	2-3	Awards and honors	1933-1985
1	4	Award: IES Order of the Engineer	1973
1	5-6	Biographical information	1929-1989
14	6	Coat of arms of Columbia	undated
1	7	Harvard University coursework	1933-1935 circa
1	8	Harvard University coursework: combustion and heat balances	1933-1934
1	9-10	Harvard University coursework: engineering	1933-1934
1	11	Harvard University coursework: factory management	1933-1934
1	12	Harvard University coursework: industrial accounting	1933-1934
1	13-14	Harvard University coursework: statistics	1933-1935 circa
1	15	Harvard University Engineering Society	1935-1948
1	16	Identification cards	1936-1943
14	3	Iowa State University Alumni Association 1929 class pin	undated
1	17	Iowa State University Alumni Association 1929 class representative correspondence (1 b/w photograph)	1940-1988
1	18	Letterheads	1936-1980 circa
Map case	C410 D01	Iowa State University course drawings	1926-1928
1	19	News clippings	1946- 1987, undated
1	20	News clippings and pamphlets: religion and humor	1938- 1968, undated
1	21-23	Personal correspondence (2 b/w photographs)	1939-1986
1	24	Photographs: Black, Henry M. (15 b/w, 1 color slide)	1950-1989 circa

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
1	25	Photographs: group (24 b/w, 1 color)	1950-1989 circa
1	26	Professional Engineer registration: Illinois	1947-1982
1	27	Professional Engineer registration: Iowa	1953-1988
1	28	Reinbeck (Iowa) High School class of 1923	1959-1988
1	29	Societies, boards, and committees membership forms	1964-1975
1	30	Speeches and remarks	1948-1955 undated
1	31	Speeches: Armed Forces Service Club	1974
1	32	Speeches: ASME Region 7 conference	1977
1	33	Speeches: Cardinal Key Tapping Ceremony	1983
1	34	Speeches: freshmen orientation	1965-1966
1	35	U.S. Army: ANSCOL correspondence and newsletters	1946-1951
2	1-2	U.S. Army: ANSCOL course materials (1 b/w photograph)	1941-1945
1	36	U.S. Army: certificates and orders (1 b/w photograph)	1928-1940
1	37	U.S. Army: certificates and orders	1941-1957
2	3	U.S. Army: certificates of appointment	1929-1953
2	4	U.S. Army: certificates of retirement	1960
1	38	U.S. Army: commendations, decorations, and awards	1929-1945
1	39-40	U.S. Army: correspondence	1945-1958
2	5	U.S. Army: correspondence and clippings regarding Iowa State College headship and civilian career options	1940-1947
2	6	U.S. Army: correspondence and photographs regarding retirement (2 b/w)	1956-1960
2	7	U.S. Army: correspondence, notes, and photographs (4 b/w)	1945-1960 circa
2	8	U.S. Army: correspondence, officer directories, and photographs (5 b/w)	1941-1948
2	9-10	U.S. Army: engineer summer field training materials	1945-1955
2	11	U.S. Army: Fort Brady, Mich., 702nd military police battalion command materials (7 b/w photographs)	1941
2	12	U.S. Army: intelligence estimates notes and agendas	1945-1955 circa

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
1	41	U.S. Army: Iowa State University Organized Reserve Corps unit history	1947
2	13	U.S. Army: orders	1947-1960
1	42	U.S. Army: speeches and remarks	1949
2	14	U.S. Army: training materials	1940s circa
2	15	U.S. Army: weapons collection correspondence and notes (1 color photograph)	1952-1980
2	16	U.S. Army: writings, "Captain Henry Black praises our American Army," <i>The Carnation</i> , Delta Sigma Phi Fraternity	1942
2	17	U.S. Army: writings, "Corps of Engineers in the European theatre of operations"	1944-1945 circa
2	18	U.S. Army: writings, "Crossing of the Roer River"	1940s circa
2	19	U.S. Army: writings, "Crossing of the Rhine River by 7th Corps"	1945
2	20	U.S. Army: writings on shore parties	1946
Map case	C410 D01	Wieboldt Stores Inc. drawings and blueprints	1934-1935
1	43	Writings	1967-1982
1	44	Writings: "Design of pipe bends" theory, for Sargent and Lundy	1933-1937
1	45	Writings: "Flange designs," for Sargent and Lundy	1936
1	46	Writings: "Flow of fluids in piping," for Sargent and Lundy	1936-1939
1	47	Writings: obituary for Mortimer Goodwin	1984
1	48	Writings: professional and administrative	1949-1964
1	49	Writings: "Study of public utilities in Iowa," for Ensign, Black, & Ross	1934
1	50	Writings: "The 'Base of Power' in Ames," <i>Ames Daily Tribune</i>	1975



**Description of series**

**Series 2      University Records      1929-1989, undated**

extent:      5.85 linear feet (4.5 record center cartons)

description:      This series contains materials generated during the course of Black's professorship, headship, and related duties at Iowa State University. Topics that are addressed include fundraising for the mechanical engineering department and the Black Engineering building; College of Engineering and departmental procedures; course and lecture materials; consulting jobs undertaken while at the University; and a number of committee memberships. Materials include artifacts, correspondence, course materials, meeting minutes, memorandums, notes, pamphlets, photographs, programs, reports, and writings.

**Container list**

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
1	51	Alumni lists and correspondence	1983-1989, undated
1	52	Black Engineering Building correspondence regarding name	1986
13	19	Black Engineering Building dedication celebration (1 videocassette)	1987
1	53	Black Engineering Building dedication notes, memorandums, and personal correspondence	1987
14	2	Black Engineering Building dedication guestbook	1987
1	54	Black Engineering Building dedication program materials and correspondence	1987
1	55	Black Engineering Building dedication program	1987
3	1-2	Black, Henry, department records	1929-1983
3	3	Boast, Warren B., memorial program	1975
3	4-8	Calendars	1959-1974
3	9	Center of Excellence in Materials and Manufacturing Processes	1970
3	10	College of Engineering Academic Standards Committee	1971-1977
3	11	College of Engineering Advisory Council	1977-1982

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
3	12	College of Engineering alumni award lists, clippings, and forms	1980-1981
3	13-15	College of Engineering cabinet meeting minutes, notes, and memorandums	1946-1958
3	16-18	College of Engineering cabinet meeting minutes, notes, and memorandums	1968-1970
3	19	College of Engineering Curriculum Committee: catalog changes	1972
3	20	College of Engineering curriculum and entrance requirements	1947-1958
3	21-22	College of Engineering curriculum improvement report and correspondence	1946-1953
3	23	College of Engineering department reports	1977-1978
3	24-27	College of Engineering Development Committee	1977-1986
3	28	College of Engineering Education Committee	1952-1955
3	29	College of Engineering Education Committee	1969-1974
4	1	College of Engineering Education Committee	1969-1974
4	2	College of Engineering Education Committee: fundamentals in engineering curriculum proposal	1947-1952
4	3	College of Engineering enrollment and degree statistics	1948-1972
4	4-5	College of Engineering entrance requirements reports, minutes, and correspondence	1949-1955
4	6	College of Engineering equipment proposals, plans, and requests	1957-1969
4	7	College of Engineering Extension Committee	1970-1972
4	8	College of Engineering faculty and staff committees	1966-1971
4	9	College of Engineering faculty workload evaluation	1969-1971
4	10-13	College of Engineering Honors and Awards Committee minutes, reports, and forms	1965-1989
4	14	College of Engineering long-range strategic and fundraising plans	1988-1989
4	15	College of Engineering Materials Committee	1970-1971
4	16	College of Engineering memorandums	1962-1974

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
4	17	College of Engineering presentation to Robert Parks and administration	1972
4	18	College of Engineering public relations	1980s circa
4	19	College of Engineering reports and memorandums	1974-1976 circa
4	20	College of Engineering scholarship and attrition reports	1963-1970
4	21	College of Engineering Technical Institute	1960-1963
4	22	College of Engineering Technical Institute	1965-1973
4	23	College of Engineering Technical Institute and Engineering Technology Committee	1970-1971
4	24	College of Engineering two-year programs brochure	1970s circa
4	25	Consulting: Congregational Christian Church of Iowa camp	1958
4	26	Consulting: Des Moines (Iowa) parking garage	1949
4	27	Consulting: general correspondence	1949-1962
4	28	Consulting: insurance claims	1960-1968
4	29	Consulting: Iowa State House boiler system	1950
4	30	Consulting: Northwestern State Portland Cement Company fan failure	1962
4	31	Consulting: Thermogray Company heater	1954
4	32	Consulting: Ramona Davis patents	1961-1967
4	33	Corporate fundraising efforts	1981
4	34-38	Correspondence and memorandums	1939-1987
5	1	Correspondence: Acheson, Allen	1982-1988
5	2	Correspondence: Boltz, Arthur E.	1954-1956
5	3	Correspondence: Evans, Thomas Cooper	1977-1981
5	4	Correspondence: Hamlin, Jack	1961-1964
5	5	Correspondence: Hebley, Henry F.	1939
5	6	Correspondence: Junkhan, George H.	1971-1972
5	7	Correspondence: Pilegard, Jens	1970
5	8	Correspondence: professional and congratulatory	1947-1979

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
5	9	Correspondence: Reinholz, Otto W.	1955-1978
5	10	Correspondence: Servoy, George K.	1948-1958
5	11-12	Correspondence: Todd, Meryl L.	1958-1982
5	13	Department academic standards and curriculum materials	1967-1977
5	14	Department alumni obituaries and correspondence	1947-1975
5	15	Department budgets and faculty and staff rosters	1946-1974
5	16	Department budgets and related memorandums	1971-1973
5	17-18	Department building facilities and maintenance reports, memorandums, and architectural drawings	1953-1960
5	19-21	Department correspondence and memorandums	1966-1987
5	22	Department courses and laboratory planning	1946-1956
5	23	Department curriculum comparison report	1965
5	24-25	Department curriculum materials	1950-1965
5	26	Department curriculum reports and memorandums	1968-1977
5	27	Department doctorate program proposal	1971-1973
5	28	Department faculty and staff lists	1946-1972
5	29	Department faculty and staff lists, committees, and guidelines	1973-1977
5	30	Department faculty committees minutes, memorandums, and reports	1971-1977
5	31	Department faculty memberships, awards, and qualifications	1967-1977
5	32	Department graduate placement statistics	1965-1983
5	33	Department graduate program and students	1969-1973
5	34	Department graduate research opportunities	1973-1975
5	35	Department head files, A to Z	1936-1969
5	36	Department history writings and notes	1938-1981
5	37	Department history photographs (2 b/w)	1920-1949
5	38	Department Industrial Board meeting materials	1987-1989
5	39	Department laboratory materials	1956-1958
5	40	Department memorandums	1970-1975

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
5	41	Department memorandums and committee meeting minutes	1957-1979
5	42	Department merger with Engineering Mechanics proposal	1971-1972
5	43	Department: new head	1972
5	44	Department party photographs (9 b/w)	1972 circa
5	45	Department personnel memorandums	1946-1975
5	46	Department policies and course materials	1947-1958
5	47	Department publicity	1969
5	48	Department reports	1957-1962
5	49	Department self-study report and teaching memorandums	1975-1977
5	50	Electrical engineering graduate program	1970 circa
5	51	Engineering degree recipient lists, 1872-1970	1954-1971
5	52-53	Engineering education and curriculum correspondence	1951-1975
5	54	Engineering education seminars, correspondence, and reports	1950-1960
5	55	Engineering Enrollment Enhancement Committee meeting minutes and correspondence	1974-1975
5	56	Engineering equipment fundraising support group	1979-1982
5	57	Engineering Research Institute activity memorandums	1968-1972
6	1	Engineering Research Institute and grant funding	1964-1981
6	2	Faculty and staff promotion guidelines	1969 circa
6	3	General Motors conference for educators program and photographs (5 b/w)	1966
6	4	Grade analysis	1969-1976
6	5	Grade distributions and grading standards	1947-1965 circa
6	6-7	Grade placement, grade distribution, salary, and tuition statistics	1947-1979
6	8	Graduate programs questionnaire	1972, undated
6	9	Graduate school enrollment	1936-1970
6	10	Graduate student scholarships and funding	1964-1968

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
6	11	Graduate Study Committee materials regarding Master of Engineering degree	1954-1963
6	12	High Scholarship recipient lists and dinner programs	1963-1972
6	13	Instrumental and controls curriculum development	1950-1952
6	14	Iowa State University Alumni Association Long-Range Policy Committee and Alumni Achievement Fund	1947-1954
6	15-16	Iowa State University Foundation correspondence	1980-1989
6	17	Iowa State University Foundation engineering fundraising	1979-1983
6	18-19	Iowa State University Foundation mechanical engineering endowment fund correspondence	1955-1981
6	20	Iowa State University history articles and notes	1985-1988
6	21-23	ME 100: Technical Lecture course materials	1949-1976
6	24	ME 201/300: student inspection trips correspondence	1964-1977
6	25	ME 251/253: Introduction to Mechanical Engineering assignments	1980-1987
6	26	ME 301: early history of mechanical engineering at Iowa State University lecture notes	1980-1989 circa
6	27	ME 312: Machine Design II course materials	1964-1989 circa
6	28	ME 316, 317, 318, and 423: Machine Design course sequence	1971
6	29	ME 341: instrumentation course planning materials	1966-1967
6	30	ME 400/301: professional conduct course materials	1969-1977
6	31	ME 406: Heating, Ventilation, and Air Conditioning syllabus	1962-1963
6	32	ME 410: Creative Design syllabus and exams	1960-1965 circa
6	33	ME 420: Computer-Aided Design lecture materials	1965-1975 circa
6	34	ME 420: Machine Design I lecture notes and exams	1964-1989 circa
6	35	ME 423: Mechanical Systems Design lecture notes	1968-1978 circa

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
6	36	ME 423: syllabus	1960-1965 circa
6	37	ME 428: Refrigeration syllabus	1965
6	38	ME 431: Physical Metallurgy course outlines	1965 circa
6	39	ME 467: compression ignition engines lecture materials	1950s circa
6	40	ME 470: Computer-Aided Design homework questions and lecture notes	1964-1989 circa
6	41-42	ME course lecture notes	1944-1975 circa
6	43	ME course materials: Link-Belt Corporation and FMC Corporation history	1978
6	44	ME course planning memorandums and notes	1963-1971 circa
6	45	ME course outlines	1947
6	46	ME laboratory course materials	1967
6	47	Mechanical technology reports, memorandums, and notes	1966-1968
6	48-50	Metallurgy curriculum and program establishment materials	1947-1969
7	1	Metallurgy promotional materials	1960-1961 circa
7	2	MT 080: Physical Metallurgy course materials	1971
7	3	Okner, Bernard S., Eichmuller drafting set donation (3 b/w photographs, 5 negatives)	1973-1974
7	4	Professional engineering registration	1974-1979
7	5	Professional exchange program correspondence	1976
7	6	Quarter teaching and administration schedules for Black	1972-1976
7	7	Quarter versus semester curriculum plan	1947-1957
7	8-10	Quarterly course schedules	1946-1972
7	11	Retirement dinner photographs taken by Guy Wagner (31 color photographs, 30 negatives)	1972
7	12	Scholarship and young alumni medal recipients	1989

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
7	13	Scholarship memorandums and correspondence: Guy W. Morrison	1966-1975
7	14	Scholarship winner photographs (6 b/w and 1 color)	1953-1964
7	15	Stoufer, Florence Kimball, award correspondence	1977-1980
7	16	Student cooperative training guides and reports	1960-1961
7	17	Student recruitment in high schools	1967
7	18	Teaching and instruction workshop materials	1949-1954
7	19	Undergraduate admissions reports	1963-1972
7	20	Writings: Ives, Hukill, and Black, "Corn Drying Time at Counterflow Steady State"	1966-1967

### Description of series

**Series 3      Professional and Civic Involvement      1889-1989**

extent: 9.95 linear feet (6.5 record center cartons, 1 oversize flat box)

description: This series reflects Black's involvement in engineering professional organizations as well as local civic organizations. Material types include artifacts, correspondence, certificates, examinations, membership cards, minutes, newsletters, notes, photographs, publications, reports, and scrapbooks. Three folders in this series are closed until 2038 due to privacy concerns. An appendix details common engineering abbreviations found in the collection, mostly composed of professional organizations.

### Container list

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
7	21	Alpha Phi Omega advisory materials	1932-1964
7	22	American Legion membership cards and correspondence	1947-1954
7	23	American Red Cross West Story County Chapter	1964-1965
7	24	Ames Chamber of Commerce	1978-1989
14	1	Ames Chamber of Commerce president scrapbook	1978
7	25	Ames Economic Development Commission	1981-1985



<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
7	26	Ames Rotary Club: membership cards, publications, and correspondence	1946-1979
7	27	Ames Rotary Club: newsletters and correspondence	1959-1961
7	28	Ames Rotary Club: Rotary International correspondence	1959-1977
7	29	ASEE: Committee on Evaluation of Engineering Education notes, meeting minutes, and publications	1952-1953
7	30	ASEE: correspondence and meeting agendas	1946-1948
7	31	ASEE: engineering design education	1959-1961
7	32	ASEE: goals of engineering education	1962-1964
7	33	ASEE: writings and memorandums	1963, 1973
7	34-36	ASME Ad Hoc Committee on Mechanical Engineering	1961-1963
7	37	ASME Ad Hoc Committee on Relations with ECPD	1962-1963
7	38	ASME Ad Hoc Committee on Society Affairs	1971
7	39	ASME and ECPD correspondence and policy statements	1970-1972
7	40	ASME and ECPD correspondence regarding National Commission on Accrediting	1972
7	41	ASME and ECPD engineering education correspondence and reports	1965-1968
7	42	ASME and National Committee on Continuing Education meeting materials	1965-1968
7	43	ASME and other responses to ASEE report on goals of engineering education	1966-1967
7	44	ASME annual meeting conference papers	1959-1960
8	1	ASME awards in honor of Edwin F. Church and Charles T. Main	1967-1970
8	2	ASME Board on Education	1960-1965
8	3	ASME Centennial Committee: audiovisual presentation	1980
8	4	ASME Centennial Committee: budgets and correspondence	1978-1979
8	5	ASME Centennial Committee: Centennial Day materials	1980
8	6-8	ASME Centennial Committee: correspondence and reports	1975-1980

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
8	9	ASME Centennial Committee: correspondence, minutes, and notes	1980
8	10	ASME Centennial Committee: History of the ASME	1976-1980
8	11	ASME Centennial Committee: History Subcommittee	1977-1980
8	12-13	ASME Centennial Committee: History Subcommittee unit histories	1977-1981
8	14	ASME Centennial Committee: logos	1975
8	15	ASME Centennial Committee: Mechanical Engineers in America biographical dictionary correspondence	1980-1981
8	16	ASME Centennial Committee: Medallion Task Force and presentation to Robert D. Ray (7 b/w photographs)	1979
8	17-20	ASME Centennial Committee: meeting materials and correspondence	1976-1980
8	21	ASME Centennial Committee: progress reports and publicity materials	1975-1981
8	22	ASME Centennial Committee: student award winners	1979-1980
8	23-26	ASME Centennial Committee: television series	1968-1980
8	27	ASME Centennial Committee: television series advisory panel correspondence	1979-1980
8	28	ASME Centennial Committee: television series and books correspondence	1980-1981
8	29	ASME Central Iowa Section correspondence, bylaws, and reports	1947-1953
8	30	ASME Chicago section correspondence	1929-1940
8	31-32	ASME Committee on Constitution and Bylaws	1974-1976
8	33-34	ASME Committee on Regional Affairs meeting minutes, notes, and correspondence	1969-1972
9	1	ASME Committee on Technical Affairs meeting materials and correspondence	1970-1971
9	2-6	ASME Continuing Education Committee	1962-1971
9	7	ASME cooperation with NCEE	1968
9	8	ASME Design Problem Contest: annual mailing	1961-1975
9	9	ASME Design Problem Contest: committee materials and revisions	1967-1978

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
9	10	ASME Design Problem Contest: correspondence and meeting materials	1962-1968
9	11	ASME Design Problem Contest: correspondence and planning documents	1960-1962
9	12	ASME Design Problem Contest: correspondence and solution evaluations	1974-1976
9	13	ASME Design Problem Contest: judging guidelines	1964-1971
9	14-15	ASME Design Problem Contest: ledger and correspondence	1961-1974
9	16	ASME Design Problem Contest: Old Guard Committee correspondence, memorandums, and notes	1977
9	17	ASME Design Problem Contest: question compilation and correspondence	1974-1977
9	18	ASME Design Problem Contest: question criteria	1966-1969
9	19	ASME engineering education enrollment studies	1962-1963
9	20	ASME goals conference materials and progress reports	1970
9	21	ASME goals conference working group reports	1971
9	22-23	ASME Honors Committee meeting minutes and correspondence	1976-1980
9	24	ASME mechanical engineering education history	1978-1980
9	25	ASME mechanical engineering promotional brochure	1962-1964
9	26	ASME <i>Mechanical Engineers in America Born Prior to 1861</i> biographical dictionary	1976-1980
9	27	ASME medals committees correspondence and notes	1959-1961
9	28	ASME MEDHC: ASEE report on goals of engineering education	1965-1966
9	29-30	ASME MEDHC: Brochure Subcommittee drafts and notes	1964-1968
9	31	ASME MEDHC: correspondence	1961-1965
10	1	ASME MEDHC: correspondence	1961-1965
10	2-3	ASME MEDHC: meeting minutes and annual reports	1964-1971
10	4	ASME MEDHC: national meeting correspondence	1959-1961
10	5	ASME MEDHC: Region 6 Accreditation Subcommittee materials	1958-1960

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
10	6	ASME MEDHC: Region 6 Curriculum Committee correspondence	1959-1960
10	7-8	ASME MEDHC: Region 6 meeting materials and correspondence	1957-1960
10	9	ASME MEDHC: Region 6 Objectives and Definitions Committee correspondence	1959-1960
10	10	ASME MEDHC: Region 6 Staff Committee report and correspondence	1958-1959
10	11	ASME MEDHC: Region 7 meeting materials and correspondence	1962-1965
10	12	ASME MEDHC: Regions 6 and 7 meeting materials and correspondence	1960-1961
10	13	ASME MEDHC: winter annual meeting session planning and correspondence	1960
10	14	ASME membership cards and correspondence	1947-1958
10	15	ASME membership on ECPD's Ad Hoc Visitors list	1974-1977
10	16	ASME multi-layer vessel regulation	1965-1966
10	17	ASME Policy Board on Education: correspondence	1958-1976
10	18	ASME Policy Board on Education: correspondence and bylaws	1973
10	19	ASME Policy Board on Education: correspondence and reports	1958-1968
10	20-21	ASME Policy Board on Education: engineering technology programs	1970-1972
10	22	ASME Policy Board on Education: guidance brochures	1971-1972
10	23	ASME Policy Board on Education: Iowa State University conference	1973
10	24	ASME Policy Board on Education: long-range planning	1971-1973
10	25	ASME Policy Board on Education: mechanical engineering education	1969-1971
10	26-27	ASME Policy Board on Education: meeting minutes and correspondence	1964-1968
10	28-29	ASME Policy Board on Education: meeting minutes and correspondence	1969-1972

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
10	30	ASME Policy Board on Education: notes and reports	1971-1973
10	31	ASME Policy Board on Education: response to ASEE report on goals of engineering education	1962-1967
10	32	ASME Policy Board on Education: stance on ECPD's master's program accreditation	1971-1974
10	33	ASME technology executives conference agenda and notes	1972
10	34	ASME Vice President of Education selection	1968-1971
10	35	ASME visiting foreign lecturer program	1961
10	36	Boy Scouts of America: explorer troop planning	1952-1958
10	37	Boy Scouts of America: leadership roles	1962-1965
10	38	Boy Scouts of America: Mid-Iowa Executive Board and Silver Beaver award materials	1981-1989
10	39	Boy Scouts of America: properties and facilities committee	1971-1976
11	1	Boy Scouts of America scout camp inspection materials	1977-1979
11	2	Boy Scouts of America Tall Corn Area Council camping committee	1969-1973
11	3	Boy Scouts of America Tall Corn Area Council correspondence, newsletters, and meeting materials	1952-1980 circa
11	4	Case Institute of Technology engineering design education conference	1960
11	5	Des Moines Civil War Roundtable notes and correspondence	1978-1979 circa
11	6	ECPD accreditation committee visit to California Polytechnic Institute (4 b/w photographs)	1965
11	7	ECPD accreditation inspection: department report	1950
11	8	ECPD accreditation inspection: department report	1960
11	9	ECPD accreditation inspection: department report data	1970
11	10	ECPD accreditation inspection: department report data and inspection notes	1971-1976
11	11-12	ECPD accreditation inspection: faculty and student lists	1949-1969
11	13	ECPD accreditation inspection: recommendations	1960-1963

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
11	14	ECPD accreditation visit	1954-1955
11	15	ECPD accreditation visit	1965
11	16	ECPD annual meeting notes and related materials	1971
11	17	ECPD committee meeting materials and correspondence	1970
11	18	ECPD Development of Young Engineers Committee and Guidance Committee	1966-1968
11	19	ECPD engineering profession promotional brochures and related correspondence	1961-1963
11	20	ECPD Guidance Committee annual meeting materials	1966-1967
11	21-22	ECPD Guidance Committee brochures and publicity efforts	1964-1971
11	23	ECPD Guidance Committee correspondence and reports	1964-1966
11	24	Engineering fundamental review workbook	undated
11	25	Engineering Joint Council	1947-1952
11	26	First Constitutional Church annual meeting booklets and correspondence	1950-1960
11	27-28	IES: A History of IES draft and notes	1988-1989
11	29-30	IES: administrative materials and correspondence	1963-1964
11	31	IES and ECPD correspondence	1985-1988
11	32	IES: Centennial Celebration Planning Committee	1985-1988
12	1	IES: correspondence and pamphlets	1966-1967
12	2	IES: Fifty Years of Engineering Leadership, photocopy	1938
12	3	IES Guidance Committee	1973-1975
12	4	IES: publications photocopies	1889-1967
12	5	IES: Steering Committee	1967-1968
12	6	Iowa Academy of Trial Lawyers: "A Professional Engineer," speech	1977
12	7	ISBEE and IES reprimands	1964-1966
12	8	ISBEE appointment correspondence and certificates	1965-1969
12	9	ISBEE board member replacement procedures	1969-1972
12	10-11	ISBEE continuing education materials	1972-1978

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
12	12	ISBEE correspondence and memorandums	1967-1973
12	13-15	ISBEE Ethical and Unauthorized Practice Committee <b>[Closed until 2038 due to privacy concerns]</b>	1920-1968
12	16	ISBEE evaluation of applicant experience	1970
12	17	ISBEE examination question materials	1967-1969
12	18	ISBEE examination score reports	1967-1974
12	19	ISBEE experience interpretations	1967
12	20	ISBEE fundamentals of engineering examination design	1953 circa
12	21	ISBEE legislation correspondence	1972-1973
12	22	ISBEE Legislative Committee, Registration Subcommittee	1967-1968
12	23-26	ISBEE meeting minutes	1964-1973
12	27	ISBEE notices printed in <i>The Exponent</i> and related correspondence	1964-1972
12	28	ISBEE policy documents and correspondence	1968-1973
12	29-30	ISBEE policy materials	1966-1969
12	31	ISBEE scholarship standards correspondence	1966-1976 circa
12	32	ISBEE state government reorganization	1967
12	33	Maytag Company Foundation Scholarship Committee materials	1956-1989
12	34	Maytag Company Foundation Scholarship Committee program pamphlets	1958-1989
14	4-5	Maytag Company Foundation silver anniversary coins (2)	1977
12	35	McDonnell Aircraft Corporation engineering symposium	1959-1960
12	36	National Committee of Mechanical Engineering Department Heads: curriculum survey	1961-1963
12	37	NCEE: advanced engineering graduate record examinations	1967-1968
12	38	NCEE: Engineer-in-Training Committee	1966-1968
12	39	NCEE: Engineer-in-Training exam and Iowa results	1965-1972
12	40	NCEE: examination results correspondence and forms	1972-1973
12	41	NCEE: professional conduct standards	1970-1973

<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
12	42	NCEE relationship with NSPE	1968
12	43	NCEE: Uniform Examinations Committee materials	1962-1972
13	1-4	NCEE: Uniform Examinations Committee materials	1962-1972
13	5	NCEE: Uniform Examinations Committee correspondence and data	1969-1972
13	6	NCEE: Uniform Examinations Committee question-writing materials	1970-1972
13	7	NCSBEE Central Zone uniform examination statistics	1966-1968
13	8	NCSBEE Central Zone: uniform examination meeting materials and correspondence	1965-1969
13	9-11	NSF laboratory curricula conference	1959-1961
13	12	Professional development publications for young engineers	1971-1976
13	13	Professional engineer registration examinations	1969-1974
13	14	SAME membership materials and correspondence	1946-1947
13	15	SNAME meeting materials	1939
13	16	State and national organization publications on engineering registration	1966-1969
13	17	Story County Engineering Club	1953-1963
13	18	Young Men's Christian Association at Iowa State University	1964-1965



## **Appendix A    Engineering Abbreviations Found in the Collection**

ANSCOL: Army-Navy Staff College

ASEE: American Society for Engineering Education.

ASME: American Society of Mechanical Engineers.

ASME MEDHC: ASME's Mechanical Engineering Department Heads Committee, which was subdivided into regions.

CASE: Council for the Advancement and Support of Education. Administers an annual Volunteer of the Year award.

ECPD: Engineers' Council for Professional Development. Today called ABET, Inc. An engineering professional organization and the accrediting body for engineering and engineering technology education programs.

EIT: Engineer-in-training. Frequently a step in the process of professional engineer registration that is gauged with an examination.

EJC: Engineers Joint Council. National organization that coordinated engineering organizations around the U.S.

ERI: Engineering Research Institute. The ERI in these papers refers to ISU's.

IES: Iowa Engineering Society.

ISBEE: Iowa State Board of Engineering Examiners.

ME: Mechanical engineering.

MEDHC: see ASME MEDHC.

NCEE: National Council of Engineering Examiners. Before 1967, known as National Council of State Boards of Engineering Examiners (NCSBEE). As of 1989, known as National Council of Examiners for Engineering and Surveying (NCEES).

NCEES: National Council of Examiners for Engineering and Surveying.

NSF: National Science Foundation.

NSPE: National Society of Professional Engineers.

PE: Professional engineer, a legally defined classification. The process to become a licensed PE is governed by individual states in the U.S.

SAME: Society of American Military Engineers.

SNAME: Society of Naval Architects and Marine Engineers.