

# Guide to the School of Engineering, Yale University, Records

RU 447



compiled by Daniel Hartwig

March 2008

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New Haven, CT 06520-8240  
(203) 432-1735  
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## Collection Overview

**REPOSITORY:** Manuscripts and Archives  
Yale University Library  
P.O. Box 208240  
New Haven, CT 06520-8240  
(203) 432-1735  
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<http://www.library.yale.edu/mssa/>

**CALL NUMBER:** RU 447

**CREATOR:** Yale University. School of Engineering

**TITLE:** School of Engineering, Yale University, records

**DATES:** 1910-1987

**PHYSICAL DESCRIPTION:** 13.75 linear feet

**LANGUAGE:** English

**SUMMARY:** The records consist of correspondence, subject and personnel files, memoranda, curriculum and program materials, student grades, research papers, and field trip reports documenting the administrative operations and activities of the Yale School of Engineering.

**ONLINE FINDING AID:** To cite or bookmark this finding aid, please use the following link: <https://hdl.handle.net/10079/fa/mssa.ru.0447>

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## Requesting Instructions

To request items from this collection for use in the Manuscripts and Archives reading room, please use the request links in the HTML version of this finding aid, available at <https://hdl.handle.net/10079/fa/mssa.ru.0447>.

To order reproductions from this collection, please go to [http://www.library.yale.edu/mssa/ifr\\_copy\\_order.html](http://www.library.yale.edu/mssa/ifr_copy_order.html). The information you will need to submit an order includes: the collection call number, collection title, series or accession number, box number, and folder number or name.

Key to the container abbreviations used in the PDF finding aid:

b. box  
f. folder

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## Administrative Information

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### Conditions Governing Access

While this collection as a whole is available for research, parts of it may be restricted due to law, university policy or fragility. Any restricted material will be noted as such.

Some records in this finding aid have been redacted, as they include student names, donor names, and other restricted data. These records will not appear in the published finding aid.

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## Preferred Citation

School of Engineering, Yale University, Records (RU 447). Manuscripts and Archives, Yale University Library.

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## Biographical / Historical

Applied science and engineering instruction at Yale began in the year 1846 with the establishment of Agricultural Chemistry and Applied Chemistry professorships by the Yale Corporation. The following year, 1847, this "School of Applied Chemistry" was included within the newly created Department of Philosophy and the Arts. In 1852 a School of Engineering was instituted with the approval of a civil engineering professorship. Science and engineering courses were independent, but listed together in the catalogue "under the aegis of a non-existent institution" known as the Yale Scientific School. Efforts were made in 1856 to formally organize a school of science; a proposed plan was drawn up and fund raising pamphlets issued. The generous donations of funds and property by Joseph Earl Sheffield in 1858 made possible the official establishment of the Yale Scientific School, in which chemistry and engineering courses were offered. In recognition of Sheffield's continued patronage, the Yale Scientific School was renamed the Sheffield Scientific School (SSS) in 1861. The SSS experienced numerous academic and physical changes during the years that followed. In 1932 the School of Engineering was re-established and SSS engineering courses transferred to the new school. The SSS began to function at the graduate level only in 1945 when undergraduate courses for the Bachelor of Science degree were transferred to Yale College. SSS was terminated in 1956, and its faculty moved to the Division of Science to teach graduate courses. In 1961 a separate Engineering and Applied Science Department was established. This department was reorganized in 1981 into the Council of Engineering, which consisted of the Department of Chemical Engineering and three engineering sections: applied physics, electrical, and applied mechanics. The council became the Departments of Chemical, Electrical, and Mechanical Engineering along with one section of applied physics in 1983. The Department of Biomedical Engineering was created in 2003. In 2008 the department became the School of Engineering and Applied Science. In 2010 the Department of Mechanical Engineering was renamed the Department of Mechanical Engineering and Materials Science, the Department of Chemical Engineering was renamed the Department of Chemical and Environmental Engineering, and Applied Physics became a department in the Graduate School of Arts and Sciences. In 2015 the Department of Computer Science became part of the School of Engineering and Applied Science.

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## Scope and Contents

The records consist of correspondence, subject and personnel files, curriculum and program materials, student grades, research papers, and field trip reports documenting the administrative operations and activities of the Yale School of Engineering.

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## General note

Forms part of Yale Record Group 23-A (YRG 23-A), Central records and records of the dean of the Yale School of Engineering.

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## Arrangement

The records are arranged as follows: I. General records of the School of Engineering, 1910-1964. II. Electrical Engineering Department, 1911-1958. III. Mechanical Engineering Department, 1921-1964. IV. Transportation Department, 1920-1948; and in subsequent accessions.

## Collection Contents

### Accession 1965-A-001: Records, 1910-1964

The School of Engineering Records contain historical information on applied science and engineering instruction at Yale spanning the years 1910 to 1964. The papers are divided into four series: General Records, Electrical Engineering Department, Mechanical Engineering Department, and Transportation Department. Included in these papers is information on the reorganization of engineering instruction, class excercises, student grades, field trips, new buildings and equipment for the departments, and federally funded research. The papers may be of use to researchers interested in the formation and development of engineering instruction at Yale.

Student records in boxes 11-13 are restricted until January 1, 2033 and Faculty working sheets in boxes 22-23 are restricted until January 1, 2034 as established by [Yale Corporation regulations](#).

Four linear feet of material were removed from these records. They are now in MS 779, Charles Felton Scott Papers, as Accession 1983-M-014.

#### Faculty meeting minutes

b. 1, f. 1	1922-1925
b. 1, f. 2	1943
b. 1, f. 3	1944
b. 1, f. 4	1947-1948
b. 1, f. 5	1948-1949
b. 1, f. 6	1949-1950
b. 1, f. 7	1950-1951
b. 1, f. 8	1951-1952
b. 1, f. 9	1952-1953
b. 1, f. 10	1953-1954
b. 1, f. 11	1954-1955
b. 1, f. 12	1955-1956
b. 1, f. 13	1956-1957

#### Governing Board Meetings

b. 2, f. 14 - 15	1943-1948
b. 2, f. 16	1948
b. 2, f. 17	1950-1951
b. 2, f. 18	1951-1952
b. 2, f. 19	1953-1955

## Reorganization

b. 2, f. 20	Statement regarding policy and organization	1932
b. 2, f. 21	Changes in organization	1945-1949
b. 2, f. 22 - 23	Reports on Engineering at Yale	1919-1920
Correspondence		
b. 3, f. 24	1936-1939	
b. 3, f. 25	1946-1947	
b. 3, f. 26	1952-1953	
b. 3, f. 27	Department appointments	1943
b. 3, f. 28	Department appointments	1944
b. 3, f. 29	Undergraduate Curriculum	1946
b. 3, f. 30	Subcommittee on Basic Education	1954
b. 3, f. 31	Notes of the Washington Meeting (Transcript)	1962
Budget		
b. 4, f. 32	1921-1922	
b. 4, f. 33	1923-1924	
b. 4, f. 34	1924-1925	
b. 4, f. 35	1925-1926	
b. 4, f. 36	1926-1928	
b. 4, f. 37	1944-1945	
b. 4, f. 38	1945-1946	
b. 4, f. 39	1946-1947	
b. 4, f. 40 - 42	Appointments	1919-1930
b. 4, f. 43	Correspondence on appointments	1929-1936
b. 5, f. 44	Research Budget	1939-1940
b. 5, f. 45	Research Budget	1946-1949
b. 5, f. 46	Departmental Budget	1943-1944
b. 5, f. 47	Society for the Promotion of Engineering Education	1921-1924

## Construction of Mason and Dunham Labs

## Dunham Lab

## Construction of Mason and Dunham Labs &gt; Dunham Lab (continued)

b. 5, f. 48	Wire Tire Construction	1913
b. 5, f. 49	Construction by Sargent & Co./ Shepard Electric Crane and Hoist Co.	1912-1913
b. 5, f. 50	Bement Pond Co. and New England Engineering	1912-1913
b. 5, f. 51	Macbeth Evans Glass	1913
b. 5, f. 52	Lighting	1913
b. 5, f. 53	Lighting specifications	1912
b. 5, f. 54	Wells Construction Co.	1913-1916
b. 5, f. 55	Johnson Service Co.	1913
b. 5, f. 56	H. W. Johns Manville Co.	1913
b. 5, f. 57	Floors	1913
b. 5, f. 58	Economy Concrete Co.	1913
b. 5, f. 59	Dreadnought Flooring Co.	1913
b. 5, f. 60	J. J. Cope Underground	1913
b. 6, f. 61	Connecticut Telephone/Electric Co.	1913
b. 6, f. 62	The Bryant Electric Co.	1912
b. 6, f. 63	Blueprints of switchboard	1913
b. 6, f. 64	Index to specifications	1913
b. 6, f. 65	Lecture Room	1913
Mason Lab		
b. 6, f. 66	Preliminary notes on Mason	1910
Centenary		
b. 6, f. 67	Correspondence	1951
b. 6, f. 68	Correspondence	1952
b. 6, f. 69 - 70	Invitation lists	1952
b. 6, f. 71	Budget	1952
b. 7, f. 72	Yale Scientific Magazine- "Engineering Centennial" Issue	1952
b. 7, f. 73	Centenary articles - from Yale Scientific Magazine and Yale Alumni Magazine	1955-1956
b. 7, f. 74 - 76	Miscellaneous papers	1952
Yale Engineering Association		
b. 7, f. 77	Meeting at New Haven	1915

## Yale Engineering Association (continued)

b. 7, f. 78 - 79	Correspondence	1919-1920
b. 7, f. 80	Engineering at Yale pamphlet	1921-1923
b. 8, f. 81	Yearbooks	1925-1929
b. 8, f. 82	Publicity	1920
b. 8, f. 83	Newsletters	1919-1926
b. 8, f. 84	Safety Conference	1927
b. 8, f. 85	Miscellaneous papers	1927
Engineering Questionnaires and Statistics		
b. 8, f. 86	1919	
b. 8, f. 87	1919	
b. 8, f. 88	1919	
b. 9, f. 89	1919	
b. 10, f. 90 - 95	Correspondence of Professor Bozell	1919-1920
Graduate Students		
Student records are restricted until January 1, 2033 as established by <a href="#">Yale Corporation regulations</a> .		
b. 11, f. 96	1941-1942	
b. 11, f. 97	1943	
b. 11, f. 98	1943-1944	
b. 11, f. 99	1945-1946	
b. 11, f. 100	1947-1948	
b. 11, f. 101	1948-1949	
b. 11, f. 102	1949-1950	
b. 11, f. 103	1950-1951	
b. 11, f. 104	1951-1952	
b. 11, f. 105	1952-1953	
b. 12, f. 106	1953-1954	
b. 12, f. 107	1954-1955	
b. 12, f. 108	1955-1956	
b. 12, f. 109	1956-1957	
b. 12, f. 110	Ph.D. study in Electrical Engineering	1943-1947



## Graduate Students (continued)

b. 12, f. 111	Ph.D. exams and solutions to problems	1934
	Ph.D. exam	
b. 12, f. 117	Policy on Part-time Graduate Students	1941
b. 13, f. 118 - 120	Graduate applications	1951-1952
b. 13, f. 121	Correspondence for Graduate Students admitted	1951
b. 13, f. 122	Correspondence for Graduate Students admitted	1956
Reports on Engineering Inspection Trip		
b. 13, f. 123	Gorm., Elmer J.: report	1925
b. 13, f. 124	Goundry, E. K.: report	1925
b. 14, f. 125	Hanford, J. B.: report	1925
b. 14, f. 126	Hinkley, J. W., III: report	1927
b. 14, f. 127	Komroff, Paul: report	1927
b. 14, f. 128	Komroff, Paul: report (bound)	1927
b. 14, f. 129	Lane, John P.: report	1927
b. 15, f. 130	Augustine, Charles J.: report	1928
b. 15, f. 131	Augustine, Charles J.: appendix to report	1928
b. 15, f. 132	Brooks, Charles E.: report	1928
b. 15, f. 133	Brown, W. J.: report	1928
b. 15, f. 134	Cook, Charles D.: report	1928
b. 15, f. 135	Kelly, W. T., Jr.: report	1928
b. 15, f. 136	Mallett, W. R.: report	1928
b. 15, f. 137	Paterson, George, Jr.: report	1930
b. 16, f. 138	Paterson, George, Jr.: report	1930
b. 16, f. 139	Geers, Henry: report	1931
Class Exercises, Experiments, and Seminars		
b. 16, f. 140 - 141	1911	
b. 16, f. 142	1912	
b. 16, f. 143 - 146	1913	
b. 17, f. 147 - 163	1914	
b. 18, f. 164 - 169	1914	

## Class Exercises, Experiments, and Seminars (continued)

b. 19, f. 170 - 171	1914	
b. 19, f. 172 - 176	1915	
b. 20, f. 177 - 181	1916	
b. 20, f. 182	1923	
b. 20, f. 183 - 185	1924	
b. 21, f. 186 - 195	1924	
b. 21, f. 196	1925	
b. 22, f. 197 - 198	1926	
b. 22, f. 199 - 201	n.d.	
Faculty Working Sheets[salary and course information] Faculty working sheets are restricted until January 1, 2034 as established by <a href="#">Yale Corporation regulations</a> .		
b. 22, f. 202	1919-1926	
b. 23, f. 203	1927-1932	
b. 23, f. 204	1932-1933	
b. 23, f. 205	1934-1941	
b. 23, f. 206	1941-1947	
b. 23, f. 207	1947-1954	
b. 23, f. 208	1956-1958	
General Files		
Student data		
b. 24, f. 209	1912-1913	
b. 24, f. 210	1913-1920	
b. 24, f. 211	1914	
b. 24, f. 212	Engineering historical	1916-1946
b. 24, f. 213	Engineering Exhibit	1916
b. 24, f. 214	Degrees - Radio Physics	1919
b. 24, f. 215 - 217	Freshman Engineering Languages	1919
b. 24, f. 218 - 219	Westinghouse Switchboard data	1928
b. 24, f. 220	Fred L. Young Papers	1939
b. 25, f. 221	Service Bureau	1943

## General Files (continued)

b. 25, f. 222	Weymouth Instrument Co.	1943
b. 25, f. 223	Draft Boards	1943-1945
b. 25, f. 224	Treasurer	1943, 1947
b. 25, f. 225	Scholarship	1943-1944
b. 25, f. 226	Westinghouse	1943-1945
b. 25, f. 227	Public Utilities Lab arrangements	1943-1946
b. 25, f. 228	Lecture on Heating and Cooling	1944
b. 25, f. 229	Speed Control	1944
b. 25, f. 230	Student irregularities	1945
b. 25, f. 231	Charles F. Kettering	1945
b. 25, f. 232	Kilgore Bill	1945
b. 25, f. 233	Navy Electronic Equipment	1945
b. 25, f. 234	News	1945
b. 25, f. 235	Phillip F. Ordung Papers	1946
b. 25, f. 236	Brookhaven Laboratory	1947
b. 25, f. 237	National Advisory Committee for Aeronautics	1948
b. 25, f. 238	Report on Physics	1950
b. 25, f. 239	A. G. Conrad	1952
b. 26, f. 240	A. G. Conrad	1952
b. 26, f. 241	Books by Faculty Members	1956
b. 26, f. 242	Single Phase Railway	
b. 26, f. 243	Leaflets	
b. 26, f. 244	References to the Works and Papers of Pliplmon Henry Dudley	
Spring ' Inspection -Trip		
b. 27, f. 245	1952	
b. 27, f. 246	1953	
b. 27, f. 247	1954	
b. 27, f. 248	1955	
b. 27, f. 249	1956	
b. 27, f. 250	1957	

## Spring ' Inspection -Trip (continued)

b. 27, f. 251	1958	
b. 27, f. 252	1959	
b. 27, f. 253	1960	
b. 27, f. 254	1961	
Experiments and Class Exercises		
b. 27, f. 255	Mechanics of Machinery Quizzes	1921-1938
b. 27, f. 256	Mechanics of Machinery Final Exams	1922-1938
b. 28, f. 257	Mechanisms and Kinematics Quizzes	1943-1962
b. 28, f. 258	Mechanisms and Kinematics Final Exams	1943-1964
b. 28, f. 259	Machine Design Quizzes and Exams	1945-1950
b. 28, f. 260	Final Exams in Accelerated Courses	1942-1944
Committee on Transportation		
b. 29, f. 264 - 265	Transportation Survey	
b. 29, f. 266 - 269	Various papers	
b. 29, f. 270	Commentary on Railway Transportation	
b. 30, f. 271 - 274	Dean S. Dudley's Papers	
Economics 32		
b. 30, f. 275 - 276	Student Papers, Grades, etc.	
b. 31, f. 277 - 282	Miscellaneous Papers	

**Accession 2003-A-098: Program of the Department of Mechanical Engineering's  
Christmas Party, 1925**

The materials are open for research.

b. 1

Program of the Department of Mechanical Engineering's Christmas Party

1925

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**Accession 2018-A-035: Board of Permanent Officers records, 1928-1963**

Includes the founding documents for the School of Engineering

The materials are open for research.

b. 1, f. 1	1928-1934	1928-1934
b. 1, f. 2	1934-1938	1934-1938
b. 1, f. 3	1938-1947	1938-1947
b. 1, f. 4	1947-1963	1947-1963

## **Selected Search Terms**

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

### **Subjects**

Electrical engineering -- Study and teaching  
Engineering -- Study and teaching  
Mechanical engineering -- Study and teaching  
Transportation -- Study and teaching  
Universities and colleges -- Administration  
Universities and colleges -- Departments

### **Corporate Bodies**

Yale University. School of Engineering  
Yale University -- Administration  
Yale University -- Curricula  
Yale University -- Students