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DUGALD CALEB JACKSON, 1865-1951

Papers, 1878-1952

Manuscript Collection - MC 5

18 record cartons

Accession numbers: 77-23, 89-40

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BIOGRAPHICAL NOTE

Dugald Caleb Jackson (DJC) was born February 13, 1865, in Kennett Square, Pennsylvania, the son of Josiah and Mary Detweiler (Price) Jackson. His father was a Professor of Mathematics at Pennsylvania State College. DCJ had two brothers, John Price (1868-1948?) and William Benjamin (1870-1937), with whom he kept in close contact throughout his career.

DCJ received a Bachelor of Science Degree in 1885 from Penn State, where he completed a course in Civil Engineering. He went on to Cornell University that same year to study and teach electrical engineering. He was in residence at Cornell till 1887.

DCJ was married to Mabel Augusta Foss on September 24, 1889. They had two children, Catherine Emma and Dugald Caleb, Jr. The latter, the youngest, was born in 1895.

In 1887, he entered into his first business enterprise, forming the Western Engineering Company in Lincoln, Nebraska. His partners were Harris J. Ryan, J. G. White, and W. F. White. Their work was primarily as contractors for electric light and railroad companies throughout the Great Plains, the Tennessee River Valley, and the Great Lakes region. In 1889, the business of the Western Engineering Company was bought by United Edison Electric Light Company of New York. DCJ secured a position with another Edison concern, as the Assistant Chief Engineer of Sprague Electric Railway and Motor Company.

In 1890, DCJ was appointed Professor and Head of the newly established Department of Electrical Engineering of the University of Wisconsin at Madison. In addition, he continued to work outside academia as a consulting engineer and inventor. During this period, he wrote several texts for college level electrical engineering instruction.

He joined with his brother William in 1902 to create the firm D. C. and Wm. B. Jackson, which was an outgrowth of his consulting activity. The original office was in Madison, Wisconsin, with DCJ as senior member. Later, offices were opened in Chicago and Boston. The firm did business in telephone construction, operating, and rate matters, electric light and power utilities, railway electrification, and illuminating gas matters. The firm was hired by many states' public service commissions, various city commissions, and many public utility companies. DCJ was retained by the British government in 1912 to appraise various telephone properties for the purpose of bringing them together under a national organization.

DCJ was active during this period as an inventor of electrical equipment, primarily motor design. Between 1898 and 1914, he was assigned over twenty-five patents for various motor, meter, lighting system, and telephone designs. Some of these patents were assigned only after lengthy patent infringement cases and proved profitable through sale to manufacturers.

DCJ left Madison and the University of Wisconsin in February of 1907 to come to the Massachusetts Institute of Technology where he had been appointed the new head of the

Electrical Engineering Department. Jackson revealed his innovative leadership in engineering education by helping establish several new programs during his twenty-eight years at M.I.T. The new programs were structured to allow for a wide variety of opportunities for the undergraduate student. Primary among these innovations was the cooperative course, called VI-A. Here the student could gain work experience during terms spent at an industrial plant. Second, DCJ started an honors program that allowed the student a chance to work in a tutorial setting. Third, DCJ established the departments Research Division, which gave students the opportunity to hear lectures concerning current advances in Electrical Engineering, described by the lecturers in their Research Division laboratories. (For a more complete discussion of Jackson's efforts during his M.I.T. years, see Chapter Four of Karl L. Wildes *Electrical Engineering at Massachusetts Institute of Technology*. Unpublished, available in the Institute Archives, c1971.)

DCJ maintained an active association with a number of engineering societies. He served as President of many of these, including the Society for the Promotion of Engineering Education (S.P.E.E.), 1905-1906; the American Institute of Electrical Engineers (A.I.E.E.), 1910-11; the American Academy of Arts and Sciences, 1937-39; and the American Institute of Consulting Engineers, 1938-40. DCJ was also an active member of various committees of the A.I.E.E., the S.P.E.E., and the American Society of Mechanical Engineers.

In 1907, he helped establish a Joint Committee on Engineering Education, made up of representatives from the various national engineering societies and the S.P.E.E. As chairman of a committee of the Engineers Council for Professional Development, DCJ was instrumental in formulating a code of ethics for the engineering profession.

During World War I, DCJ was a Lieutenant-Colonel in the American Expeditionary Force, serving as the chief engineer of the Technical Board. He was in charge of the production and transmission of electrical power for ports, hospitals, field stations, and any other building in use by the Allies. After the armistice, DCJ was appointed to the War Damages Board of the American Commission on reparations.

Prior to his call to active duty, DCJ terminated the active accounts of his consulting firm, effectively dissolving his original partnership. When he returned from his work with the Peace Commission in Europe, the firm was restructured as a partnership with Edward L. Moreland. DCJ remained active in his firm until 1930 by which time his share in the company had been bought up by his associates. He retired from active consulting in 1930, at the age of 65, devoting his time to curriculum changes in the M.I.T. Electrical Engineering Department, overseas lecturing and travel, and involvement in various professional society matters and government organizations such as the National Research Council.

DCJ retired from his position at M.I.T. in June of 1935, becoming a Professor emeritus and honorary lecturer. His retirement coincided with the celebration of the fiftieth anniversary of the granting of the first electrical engineering degree at M.I.T. DCJ was succeeded as department head by his former business partner, Edward L. Moreland.

In 1929 DCJ was appointed chairman of the American delegation to the World Engineering Congress, held in Tokyo. After a lengthy visit with Japanese colleagues, Jackson continued on to China and then the Middle East. He repeated this global trek in 1935-36, when the Japanese Institute of Electrical Engineering invited him to deliver a series of lectures on American education and industry, given in several Japanese cities.

From DCJ's return from China in late 1936 up until the failing of his health in 1948, his activity centered on a long series of lectures and publications, usually dealing with engineering education. At this time, DCJ wrote *Engineering's Part in the Development of Civilization*. He also completed a report on the University of Toronto for its Regents; a survey of salaries in the engineering schools; and a report on the trends in engineering education for the Engineer's Council on Professional Development.

In 1939, DCJ was awarded the Edison Medal, the A.I.E.E.'s honor of highest distinction. He was the first to receive this award expressly for advances achieved in electrical engineering education. On February 13, 1945, the M.I.T. department celebrated DCJ's eightieth birthday with speeches and a large banquet. Jackson died July 1, 1951, at the age of 86.

PROVENANCE NOTE

Some of the papers were given to the Institute Archives in 1976 by Jackson's son, Dugald C. Jackson II; the rest by the University of Pennsylvania in 1988.

ACQUISITION AND ARRANGEMENT

After his retirement, D.C. Jackson's papers were moved from his M.I.T. office and stored at the family home. In 1976, the papers were returned to M.I.T., and they became the responsibility of the Institute Archives in 1978.

The collection has been arranged into eight series:

- I. Pre-M.I.T. Papers, 1880-1907
- II. M.I.T. Period Papers, 1907-1935
- III. Post M.I.T. Papers, 1935-1952
- IV. Chronological File of Correspondence, 1880-1951
- V. Travel Diaries
- VI. Manuscripts of Writing and Speeches
- VII. Reprints of Writings and Speeches
- VIII. Consulting Firm Records and Patent Materials, 1897-1934, 1951

A description of each series follows the Scope and Content Note.

When the collection arrived in the Archives, some of the material was in folders and packets. Some folders still had the folder titles originally assigned by DCJ, and material in these folders was in order. These original titles have been retained in brackets on the front flap of the new folders. The core of the collection consisted of subject folders and

loose papers which were products of DCJ's activities as educator, member of professional societies, government boards, and so on. These materials were sorted into three series, each covering a major period in DCJ's career. The first period consists of papers from the period before DCJ's stay at M.I.T., the second consists of papers from DCJ's stay at M.I.T., and the third of papers from the period of his retirement. Within these three series, the folders are arranged alphabetically by subject—either by individual name, organization, or in some cases by Jackson's own subject headings. For example, DCJ used the heading "Social Aspects of Engineering Education" to describe materials on the relation between economics and engineering.

Other headings were established by analysis of the folder contents. When materials were found in a folder or otherwise grouped together, they were left together to preserve DCJ's own organization of the records. Items on similar topics were added to the folder. Among the loose materials, many letters had annotations in the upper left corners which helped determine where an item might be placed, although in some cases the annotations were undecipherable. Within the folders for each subject, the material was arranged in chronological order. Correspondence that could not be easily identified with a particular subject was placed in a chronological series.

Several general types of records were grouped into other series: travel diaries, manuscripts of Jackson's writings and speeches, reprints of writings, and consulting firm records and patent materials. The records of the firm were considerably different from the rest of the collection, and they had been maintained in DCJ's firm office in Boston rather than among the papers at M.I.T.

Each of the first three series consists primarily of correspondence. Since part of the correspondence is grouped under the names of individual people and part appears in folders dealing with organizations or general subjects, not all of Jackson's correspondence with any one person will necessarily appear together. Also, since the first three series are distinguished only by date, it is important to recognize that material relating to any topic may appear in Series I, II, III, as well as in Series IV (Chronological File). An index of selected correspondents has been prepared to help the researcher use the correspondence in Series I, II, III, IV, and VIII.

SCOPE AND CONTENT NOTE

The Jackson Papers document the activities of a pioneer in the field of electrical engineering and in the development of American engineering education. The collection is composed of correspondence, reports, minutes, manuscripts of articles and speeches, reprints of Jackson's publications, and letters patent. Over half the collection consists of correspondence. The DCJ Papers contain more than two linear feet of material recording the increasing ties between industry and engineering education and the growth of the M.I.T. Department of Electrical Engineering. The collection also includes several folders of family papers relating to professional societies, and a box of business records. The bulk of the collection dates from the years 1899 to 1948, a period encompassing DCJ's professorship at M.I.T. The papers dating from the 1920's are scant, and it is probably that some material has been lost.

At least ninety percent of the collection pertains to DCJ's career after he became head of the M.I.T. Department of Electrical Engineering in 1907. DCJ came to M.I.T. after sixteen years as professor at the University of Wisconsin. However, it was during a period around 1907 that his interests shifted from activity as inventor and consulting engineer to involvement in engineering education and professional societies. Thus, the collection contains little material on DCJ's pre-1907 work as inventor, consultant, or educator.

While at M.I.T., DCJ continued to work as a consulting engineer in the field of public utility administration, and the collection includes articles and reports on that subject. Technical articles are in Series VI and VII. Patent materials and consulting firm records appear in Series VIII. Very few project files are included in the Jackson & Jackson and Jackson & Moreland consulting firm materials. Some professional papers also appear in the Series II subject files. For example, DCJ worked on a National Research Council study of factory lighting and worker efficiency (folders 326-332) and served on the NRC Railroad Research Committee (folders 336-346.)

Correspondence concerning DCJ's appointment as a department head at M.I.T. appears in folder 4. Shortly after his arrival in Boston, he restructured the undergraduate curriculum of the department. Jackson corresponded with numerous colleagues in industry and education and with many M.I.T. corporation members and alumni concerning his ideas about the department. Chief among these were Charles L. Edgar, Louis A. Ferguson, Frederick P. Fish, Hammond V. Hayes, Charles F. Scott, and Charles A. Stone. (These letters are found in Series II.) Major revisions of the curriculum were accomplished in 1917 and 1933, with continual additions and refinements introduced during DCJ's twenty-eight years as department head. The changes that are reflected in the departmental papers include the creation of the Research Division in 1913, the sectioning of undergraduate classes by ability, and the establishment of department colloquia. Correspondence and reports concerning DCJ's work in restructuring and expanding the department can also be found in the M.I.T. Office of the President folders (275-291). DCJ also started an honors curriculum for undergraduates in 1925, but little material from the honors group is in the collection.

Perhaps the most significant curricular expansions was the establishment of Course VI-A, an option in the electrical engineering curriculum known as the 'cooperative plan', (see folders 247-265). The M.I.T. program was one of the first such arrangements in the United States. Several industrial firms worked with the department to give students a combination of academic and practicum training. The plan owed its beginning to a 1907 proposal by Magnus W. Alexander of the General Electric Company, although the program was not actually established until ten years later. Most of the material on Course VI-A is correspondence between DCJ and officials at the General Electric riverworks in Lynn, Massachusetts. Some of these materials were returned to DCJ from the General Electric Company files after DCJ's retirement from M.I.T. By 1923, the Boston Elevated Railway Company, the Edison Electric Illumination Company, and the Stone and Webster Firm were also involved in the cooperative plan. In 1925, the American Telephone and Telegraph Company, the New York Telephone Company, and the Western

Electric Company were brought into the arrangement, but there are few items in the VI-A folders relating to those six companies.

Various course descriptions, departmental memoranda, alumni correspondence and research reports can be found in the Electrical Engineering Department folders. The amount and type of material varies from year to year. Statistical information on staff publications, departmental budgets, alumni positions, course offerings, colloquium sponsors, space requirements and other aspects of the Department was compiled in preparation for the celebration of the fiftieth anniversary of the granting of M.I.T.'s first electrical engineering degree (folders 240-245). The celebration was held on Alumni Day, June 3, 1935, and coincided with DCJ's retirement from the position of the head of the Department.

DCJ's growing involvement in Institute-wide concerns is recorded in the folders of general M.I.T. papers (172-206), and the folders of M.I.T. Office of the President materials (275-291). Most of this material concerns Presidents Arthur A. Noyes, Richard C. Maclaurin, and Karl T. Compton. There is only one folder of correspondence with Samuel W. Stratton, the President from 1923 to 1930. This is indicative of the small amount of material from the 1920's in the collection.

As a member of the faculty, Jackson served on various committees (see folders 191 to 204). Primary among these are three curriculum committees that existed between 1931 and 1935: the Committee on Revision of the Curriculum, Committee on the Curriculum of the First Two Years, and Committee on Third and Fourth Year Curricula. Also of note is Jackson's service on the Pension Committee, appointed by the M.I.T. Corporation Executive Committee in 1920 (folders 194-196). In addition to the committees listed in Series II, Jackson served on the Periodicals and Libraries Committee, 1917-23, for which there are no materials in the collection. Jackson was Chairman of the Faculty from 1923 to 1925, but there are no materials concerning his work in that position.

The DCJ Papers include a total of about two linear feet of materials in Series I, II, and III documenting DCJ's involvement with various professional societies. They include the American Association for the Advancement of Science, American Academy of Arts and Sciences, American Institute of Consulting Engineers, and the American Society of Mechanical Engineers. Over half of the society material pertains to the American Institute of Electrical Engineers. DCJ was the A.I.E.E. president for 1910-11 (folders 20-49). These folders contain correspondence concerning membership, committee work, and the Institute's annual convention. DCJ served as Chairman of the A.I.E.E. Patent Committee 1911-12 (folders 70-72) and Standards Committee 1920-21 (folders 75-81).

Jackson's involvement with these societies provided a vehicle for his influence on engineering education outside M.I.T. The records of his association with the Society for the Promotion of Engineering Education and the Engineers Council for Professional Development illustrate his influence. DCJ was President of S.P.E.E. from 1905 to 1906. In 1907, DCJ instigated the formation of a Joint Committee on Engineering Education under the auspices of S.P.E.E. and the societies representing each branch of the engineering profession (see folders 150-155). Jackson guided the Joint Committee in its

survey of industrial engineers' opinions on engineering education. With the E.C.P.D., he chaired the committee on Principles of Engineering Ethics from 1941 to 1948. The Committee developed a uniform code of ethics for the various engineering societies, and expressed concern that these principles be incorporated in engineering training.

About two linear feet of papers on DCJ's activities during World War I are in the collection. During the War, DCJ served as lieutenant colonel on the Technical Board of the American Expeditionary Force (see folders 470l-479l). After the armistice he became a member of the Engineering Department of the American Commission to Negotiate Peace. A complete set of the Department's reports is included in folders 448-469l. Both personal correspondence while he was overseas (folders 142-145) and correspondence with government and industry leaders on the American war effort (folders 413-427) are in Series II.

The series descriptions below give further information on the contents and arrangement of the collection.

RELATED COLLECTIONS:

The researcher may wish to consult other manuscript collections in the Institute Archives that contain Jackson material, particularly the files of the Office of the President for the years of DCJ's active association with M.I.T. Consult the Archivist for information on these and other collections. Photographs, postcards, and memorabilia removed from the collection are held at the M.I.T. historical Collections, including photographs of Jackson and his family as well as photographs and postcards Jackson obtained while traveling abroad.

Pennsylvania State University holds several manuscript articles and early (1908 and 1912) biographical sketches of DCJ. For further information write Head, Penn State Room, University Libraries, University Park, Pa 16802.

SERIES DESCRIPTIONS

Series I. Pre-M.I.T. Papers, 1880-1907

The first series is an alphabetical sequence of subject files, dating from the years before DCJ's arrival at M.I.T. Relatively little material from this period is in the collection. Like Series II and III, this series includes material such as correspondence, reports, memoranda, programs, pamphlets, committee minutes, and clippings organized by the name of the institutions, societies, committees, or individual people. Within the folders for each subject, the material is in chronological order.

Series I includes correspondence between DCJ and various M.I.T. administrators concerning the opening for head of the M.I.T. Department of Electrical Engineering. It also includes papers relating to the University of Wisconsin, where DCJ was teaching, a small amount of family papers, and correspondence relating to the American Institute of Electrical Engineers and the Society for the Promotion of Engineering Education.

Series II. M.I.T. Period Papers 1907-1935

The bulk of the material in the Jackson papers dates from this period when Jackson was a professor of Electrical Engineering at M.I.T. Thus Series II is the largest in the collection. The series is composed of correspondence, reports, and related materials arranged in an alphabetical sequence of subject files. Material within folders is arranged chronologically.

Most of the material in Series II pertains to DCJ's work as head of the Department of Electrical Engineering and as a faculty member serving on various Institute-wide committees. Of particular interest are materials describing Jackson's reorganization of the Electrical Engineering Department, the establishment of a cooperative education program (Course VI-A), and statistical information and research reports of the department. This series also includes material on several faculty committees and the M.I.T. Technology Christian Association.

Although most of the material concerns M.I.T., Series II also includes papers on Jackson's work outside M.I.T. Papers concerning Jackson's involvement in professional societies, documentation of his activities during and after World War I, travel files, and family papers are also in this series.

Series III. Post-M.I.T. Papers

The third series completes the subject files, and covers the period of Jackson's retirement. The files are arranged alphabetically by subject and chronologically within subjects, as in the first and second series. This series is composed primarily of correspondence, reports, and related materials. Since Jackson continued to have professional contacts with M.I.T., some material relating to M.I.T. is in this series. The bulk of this series concerns Jackson's work with professional societies, notably the Engineers Council for Professional Development.

Series IV. Chronological File of Correspondence

When letters had no distinctive markings or clearly identifiable subject matter, they were placed in a chronological file. In some cases as letters were placed in the chronological sequence, an item may have been placed between an incoming letter and a reply. Incoming letters were often marked by DCJ's secretary with the date of the reply, and these markings may be used to trace related correspondence. In later years, a copy of DCJ's reply was commonly typed on the back of the incoming letter.

There are many letters in the chronological file that pertain to institutions, committees, or individuals represented in the previous series. To capture these connections, the correspondence index can be used.

Series V. Travel Diaries

This series consists of diaries kept by DCJ while traveling in Europe (1912, 1931, and 1934) and in the Orient and Middle East (1929-30). The diaries are arranged chronologically. They

contain notes taken while Jackson visited industrial and educational institutions abroad. There are travel materials in Series II and III (folders 110, 408-412, and 603-605).

Series VI. Manuscripts of Publications and Speeches

DCJ's speeches centered on such topics as the benefits of cooperation between university and industry, the structure of cooperative courses, and the relevance of econometrics to the study of engineering. He also wrote articles on railway electrification, the basis for telephone rate structures, the cultural history of Japan, and other topics. The manuscripts have been arranged in chronological order, with undated manuscripts appearing in alphabetical order after the dated manuscripts. Notes that pertain to an article or speech, but could not be further identified, are at the end of the series (folders 842-861).

The collection does not include manuscripts of all of Jackson's speeches and writings. The bibliography at the end of the finding aid has been annotated to indicate which of Jackson's speeches and publications appear in the collection. The bibliography in folder 722 may also be useful to the researcher.

Series VII. Reprints of Publications

Like the preceding Series, this group of reprints is arranged chronologically. The bibliography at the end of the finding aid will assist the researcher in locating specific publications. In a few cases a reprint is available in the Institute Archives book collection.

Series VIII. Consulting Firm Records and Patent Materials

DCJ served as an executive and consultant in the firm of D.C. and Wm. B. Jackson, which existed from 1903 to 1918, and its successor, the Jackson & Moreland firm, from 1919 to 1930. The consulting firm records are not extensive, but they do document changes that occurred in the firm during World War I and the plans for DCJ's retirement from active consulting in 1930. The firm records are in chronological order. A list of the titles of Jackson & Moreland's reports to various clients between 1919 and 1929 is in folder 107.

Jackson was active as an inventor between 1898 and 1914. Original letters patent granted to DCJ are arranged in patent number order, as are copies of patents given to other American inventors for various electrical devices and systems. Along with the records of DCJ's patent applications, there are legal documents relating to several infringement suits. These records have been put in chronological order by case.

An almost daily correspondence, 1897-1910, between DCJ and his attorney, Charles A. Brown of Chicago, is included in folders 957-1004. It covers matters relating to Jackson's consulting firm and various patent application and litigation cases. At the end of Series VIII are records of the Weaver Company of Milwaukee, in which DCJ had a controlling interest.

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1	3	Macmillan and Company, royalty receipts, 1896-1920
1	4	M.I.T. Office of the President (Henry S. Pritchett), correspondence regarding teaching position, 1906
1	5	Receipts, unsorted. Ca. 1890-93
1	6	Society for the Promotion of Engineering Education, 1906
1	7	University of Wisconsin, electrical engineering laboratory book, 1892
1	8	University of Wisconsin, 1906
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1	14	American Academy of Arts and Sciences Correspondence, 1911
1	15	American Academy of Arts and Sciences Memoirs of Charles Francis Bush, correspondence, drafts, 1933-34
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1	24-30	American Institute of Electrical Engineers Correspondence (chronological), 1907-10
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1	37	American Institute of Electrical Engineers Correspondence (alphabetical), 1910-11 Kennelly, Arthur E.
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1	59-60	American Institute of Electrical Engineers Boston Section, D.C.J. chairman, Jan.-June, 1910
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2	80	American Institute of Electrical Engineers Standards Committee Special Joint Committee on Determination of Power Factor in Polyphase Circuits, 1920
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2	106	Electrical Manufacturers, Committee of Business and Technical Experts, correspondence, minutes, and report, 1915-16
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Bibliography:

This bibliography is a chronological listing of Dugald Caleb Jackson's books, articles, and printed speeches. Entries have been annotated with the locations of manuscripts or reprints in the collection. Some items listed in the bibliography are available in the Institute Archives book collection; please check the Libraries catalog for their locations.

Notes on the performance of some dynamos. *Elect. Engineer* 6:148 (1887).

The relation between the cross section of the iron in the armature and field of the Gramme dynamo. *A.I.E.E. Trans.* 4:148-54 (1887).

The Kearney (Neb.) water power and electric distribution plant. *Elect. Engineer* 7:573 (1888).

Why Profits Dwindle. *Elect. Engineer* 7:160 (1888).

Electric Power Transmission. *Western Electrician* 10:58 (1892).

723 The technical education of the electrical engineer. *A.I.E.E. Trans.* 9:476-86 (1892).

The position of the engineering courses in courses in college. *Aegis* (of Univ. of Wisconsin) 7:228 (1893).

Some practical points in the construction of underground feeders for electric railways. *Elect. Engineer* 16:411 (1893).

Textbook on Electromagnetism and the Construction of Dynamos. N.Y.:MacMillan, 1893.

Underground wires for electric lighting and power distribution. *Proc. Internat. Elect. Congress at Chicago* 356 (1893).

Alternating currents and fuses. (With R.J. Ochsner). *A.I.E.E. Trans.* 11:430 (1894)

Alternating currents and fuse wires. *Elect. World* 23:795 (1894)

The corrosion of iron pipes by the return currents of electric railways. *Jour. Of Assn. Of Engineering Societies* 13:509 (1894).

724 The equipment of electrical engineering laboratories. *S.P.E.E. Proc.* 2:221 (1894).

- Essential station instruments. Proc. Northwestern Elect. Association (1894).
- Review of Weymouth's drum armatures and commutators (theory and practice). Physical Review 1:473 (1894)
- The choice of transformers. Elect. Engineer 20:183 (1895).
- 725, 863 Desirable product from the teacher of mathematics: the point of view of an engineering teacher. School Science and Mathematics 2 (1895).
- The permeability of mild steel. Elect. World 25:322 (1895).
- Review of elementary lessons in electricity and magnetism by Sylvanus Thompson. Physical Review 3:78 (1895).
- Some observations on a direct connected 300 Kw. Monocyclic alternator. (With S.B. Fortenbaugh). A.I.E.E. Trans. 12:350 (1895).
- Tests of a combined electric light and electric railway central station. A.S.M.E. Trans. 16:1142-60 (1895).
- Tests of a polyphase motor. Elect. Journal 1:101 (1895).
- Three-phase rotary field. *Elect. Journal* 1:185 (1895).
- Alternating current motors. *N.W. Elect. Ass'n.* 4:113 (1896).
- 727,739 *Alternating Currents and Alternating Current Machinery.* (With J.P. Jackson) N.Y.:MacMillan, 1896.
- 726 The broad value of a technical training. *Engineering Magazine* 11:516 (1896).
- Corrosion caused by railway return currents. *Elect. World* 26:684 (1896).
- The equipment of manufacturing establishments with electric motors and electric power distribution. *Jour. Of Western Society of Engineers* 1:807 (1896).
- Measurement of power in two- and three-phase circuits by means of wattmeters. *Elect. World* 22:351 (1896).
- Mutual induction of parallel distributing circuits. *Elect. World* 28:327 (1896).

Review of the mechanical engineers' pocket book by William Kent. *Elect. Journal* 1:375 (1896).

Review of Professor Nipher's Electricity and Magnetism. *Elect. Journal* 1:305 (1896).

Transformer leakage current. *Electrician* 8:115 (1896).

Conductor resistance met by alternating currents. *Elect. World* 29:90 (1897).

The courses in alternating currents at the University of Wisconsin. *Elect. Engineer* (July 1897).

Electrical engineering symbols. *S.P.E.E. Proc.* 5:55-66 (1897).

Electrical power equipment for general factory purposes. *A.S.M.E. Trans.* 18:1047-58 (1897).

What causes high magnetic quality in steel. *Engineering News* 38:330 (1897).

Commutated current wave of a composite-wound alternator. *A.I.E.E. Trans.* 15:403-08 (1898).

Electrolytic corrosion of pipes. *Engineering News* 40:250 (1898).

Power transmission in manufacturing plant establishments. *Jour. Of Western Soc. Of Engineers* 3:984 (1898).

Transformers and their profitable use. New York and Ohio Co. (1898).

Electrical Engineering. *Wisconsin Engineer* 3:102 (1899).

Electrical thawing process. *Elect. Review* (March 1899).

Inductive loads (arc lamps and motors) on alternating current transformers. *Proc. Northwestern Elect. Assn.* 7:125 (1899).

The maximum output of alternators. *Elect. World* 29:278 (1899).

Polyphase alternating currents for electric railways. *Cassier's Magazine* 16:487 (1899).

Some fundamental ideas of alternating currents. *Elect. Eng.* 8:69 (1900).

- 729 Availability of correspondence schools as trade schools. *S.P.E.E. Proc.* 9:97-111 (1901).
- Electric lighting. *Elect. World* 37:34 (1901).
- Review of Sheldon's Dynamo Electric Machinery. *Science* 14:410 (1901).
- 730 The trade education of central station employees. *Proc. Northwestern Elect. Assn.* 9 (1901).
- Elementary Book on Electricity and Magnetism and Their Applications.* (With J.P. Jackson) N.Y.:MacMillan, 1902.
- 731, 862 Potency of engineering schools and their imperfections. *Univ. of Colorado Bulletin* 2:4 (1902).
- Review of Fleming's Handbook for the electrical laboratory and testing room, Vol. 1. *Science* 15:817 (1902).
- 732 The typical college courses dealing with the professional and theoretical phases of electrical engineering. *S.P.E.E. Proc.* 9:336-49 (1903) and *A.I.E.E. Trans.* 22:599-607 (1903).
- 864 Electrical powering manufacturing plants. (with W.B. Jackson) *Cassiers Magazine* 26:155 (1904).
- Economics to be derived from the utilization of water powers of low head in the Central West. *A.I.E.E. Trans.* 25:585-600 (1906).
- College graduates and central stations. *El. World and Engineer* 49:220-221 (1907).
- 865 Methods of electric lighting for railway trains. *Western Soc. Engr. Trans.* 12:623-56 (1907).
- 735 The relations of the engineering schools to polytechnic industrial education. *S.P.E.E. Proc.* 15:363-90 (1907) and *Science* 26:104-11 (1907).
- 866 Report on the telephone situation in the city of Chicago. (With H.W. Crumb and G.W. Wilder) (1907).
- Report to the commissioner of public works and comptroller of the city of Chicago on the subdivision of plant, the distribution of operating costs, and the methods of accounting and record keeping recommended to be adopted by the Chicago Telephone Co. Jackson & Jackson (1908).

- Appraisals of railway properties. *Street Railway Bulletin* 7 (1908).
- 868 Equitable rate-making by public service companies. *Tech. Q.* 21:337-59 (1908).
- Important committee on engineering education. *Tech. Rev.* 10:276-80 (1908).
- Preliminary report of the Joint Committee on Engineering Education. (With S. Sheldon) *S.P.E.E. Proc.* 16:47-60 (1908).
- 867 Report to the Massachusetts Highway Commission, being an answer to three questions asked by the Commission, growing out of the investigation of the New England Telephone and Telegraph Company. Boston State Printers (1908).
- Report on the desirability of a municipal electric lighting plant for the town of Brookline. Jackson & Jackson Boston (1909).
- 869 Report on the question of suitable regulation of gas service for the city of Chicago. Jackson & Jackson (1909).
- 870 Report to the Massachusetts Highway Commission on the results of the inventory and appraisal of the property of the New England Telephone and Telegraph Co. Jackson & Jackson (1909).
- 871 Criticism of the engineering schools. *Science* 32:225-31 (1910).
- 872 Report to the Massachusetts Highway Commission on telephone rates for the Boston and suburban district. (With W.B. Jackson) Boston State Printers (1910).
- 873 Is a rational basis possible for telephone rates? *Nat. Munic. League Proc.* 810:109 (1910).
- 737, 874 Electrical engineers and the public. (President's address) *A.I.E.E. Trans.* 30:1135-43 (1911).
- 875 Report to the Public Service Commission of Maryland, on the telephone rates in the city of Baltimore. Jackson & Jackson (1911).
- Telephone rates. National Municipal League, Buffalo Conference on Good Government (1911).
- 876 The proper bases for valuation of public utility properties for the purposes of ratemaking. *Assoc. of Edison Illum. Co. Proc.* (1913).

- Review of Whitten's Valuation of Public Service Companies. *Amer. Econ. Rev.* (1913).
- 878 Appraisals of electric light and power properties. *Nat. El. Light Assoc. Proc.* 51:163 (1914).
- 880 Engineers and accountants as factors in securing better public relations. *El. Railway J.* 44:685-88 (1914).
- 879 Report of the committee on organized cooperation between M.I.T. and the Commonwealth of Massachusetts. *M.I.T. Alumni Assoc. Bull.* 39:5-26 (1914).
- 877 Report on traffic congestion in Fall River, Mass. (With W.B. Jackson). *El. Railway J.* 43:816-18 (1914).
- 881 Report to the Massachusetts Highway Commission on changes of telephone rates in Massachusetts, 1908-13. Boston. (1914).
- Lightning, its risks and how to avoid them. (With A.E. Kennely, E. Thomson, C.A. Adams and L. Bell) *G.E. Rev.* 19:166-72 (1916).
- 882 Methods of teaching electrical engineering. *Pan. Am. Sci. Cong. Proc.* 5:21-24 (1917) and *Science* 43:483-87 (1916).
- Effect of the proposed draft on engineering schools. *S.P.E.E. Proc.* 25:135-38 (1917).
- 883 Review of Kingsbury's, The telephone system and telephone exchanges; their invention and development. *Am. Econ. Rev.* 7:144-47 (1917).
- Street railway fares.* (With D.J. McGrath) N.Y.:McGraw, 1917.
- Status of the electric railway industry. *El. Railway J.* 54:391-93 (1919).
- 884 War damage in Europe and the peace treaty. (Address at annual dinner of the American Institute of Chemical Engineers) Boston (1919).
- 743 Dr. Elihu Thomson, scientist, inventor and educator. *G.E. Rev.* 23:983 (1920) and *Tech. Engineering News* 1:7 (1920).
- 747, 885 Requirements of the engineering industries and the education of engineers. (With M.W. Alexander) *Mech. Eng.* 43:391-95 (1921).

- 748 Practices relating to business training for engineers and engineering training for business men. 2d Conf. On Commercial Eng. Of the U.S. Bureau of Education (1922).
- 887 Report on direct-current and alternating current distribution and the two frequencies in the system of the New York Edison and associated companies. Jackson & Moreland (1922).
- 886 Report on substation storage batteries of the New York Edison Company. Jackson & Moreland (1922).
- 888 The New England railroad problem. (With G.F. Swain, C.T. Main E.C. Hultman and L. Metcalf) *Boston Soc. Of C.E.J.* 10:143-60.
- 890 Residence rates. *N.Y. Assoc. of Edison Illum. Co.* (1923).
- 889 Why is the Boston Society of Civil Engineers? (President's address) *Boston Soc. Of C.E. J.* 10:129-34 (1923).
- Report of Power Investigation Committee, Associated Industries of Massachusetts. (With C.T. Main, H.I. Harriman, C.L. Finch and B.P. Clark) Boston (1924).
- 893 Report on alternating current vs. direct current for low-tension service in Manhattan between 59th street and 135th street. Jackson & Moreland (1924).
- 891 Power requirements and sources of supply of New England. (With C.T. Main, H.I. Harriman) *Boston Soc. Of C.E. J.* 11:193-227 (1924).
- 892 Power for Transport – Railroad Electrification. World Power Conference, London (1924).
- Relation of wholesale manufacturing costs to prices of products delivered to retail customers. *Nat. El. Light Assoc. Proc.* 81:83-87 (1924).
- 894 Electrical distribution in very congested territory. *Assoc. Edison Illum. Co. Proc.* 457 (1925).
- 749, 895 Engineering profession: consulting engineering practice. *Purdue Engineering Review* (1927).
- 750, 896 Graduate study in engineering schools. *S.P.E.E. Proc.* 35:125-35 (1927), *J. Eng. Education* 18:125-35 (1927) and *School and Society* 26:503-09 (1927).

- 751, 897 Why join a professional society. *Tech. Eng. News* 8:253, 276 (1927).
- 752, 898 Lighting in industry. *Frank Inst. J.* 205:285-303 (1928).
- 755 Early specialization under the honors course system versus the piecemeal system of education. *Union Alumni Monthly J.* (1929).
- 759, 900 Economic and operating considerations in railroad electrification in the U.S. World Eng. Congress, Tokyo (1929).
- 754, 899 Needed: new life in the colleges. *School and Society* 30:415-18 (1929).
- 761, 901 What the technical schools expect of industry. *Science* 72:637-42 (1930).
- 763, 902 Function of research in engineering education. *Science* 74:183-87 (1931) and *J. Eng. Educ.* 22:348-55 (1932).
- 764, 905 Major features of the Lackawanna electrification. (With E.L. Moreland) *G.E. Rev.* 34:597-98 (1931).
- 904 To promote research. *Res. Lab. Record* 1:4 (1931).
- 766, 903 University stepping-stones. *Sigma Xi Q.* 19:92-98 (1931).
- 774, 906 Our debt to Faraday's epoch. *Science* 75:230-32 (1932).
- 765, 907 The university laboratory as partner of industry. *Harper* (1932).
- 767, 912 Function of the administrative officer with reference to graduate work. *J. Eng. Educ.* 24:140-47 (1933).
- 909 The Contributions of Professor Thomson to Electrical Engineering. *Sci. Monthly* 36:474-77 (1933).
- History of the National Research Council, 1919-1933. Division of Engineering and Industrial Research. *Science* 77:500-503 (1933).
- 776, 910 Intellectual interchange among faculties of engineering schools. *Science* 78:291-96 (1933).
- 773, 908 Machinery and unemployment. Effects of science and invention on modern life. *Tech. Rev.* 35:207-10 (1933).
- 778, 911 The origins of engineering. *Science* 78:589-96 (1933).
- 916 Bernard Arthur Behrend. A memoir. *Am. Acad. Arts and Sciences Proc.* 69:493-96 (1934).

- 917 Charles Francis Brush. A memoir. *Am. Acad. Arts and Sciences Proc.* 69:493-96 (1934).
- 914 Charles Proteus Steinmetz and the American Institute of Electrical Engineers. *Science* 79:511-15 (1934).
- Electrical engineering symbols. *El. Eng.* 53:770-76 (1934).
- Evolution of electrical engineering education. *El. Eng.* 53:770-76 (1934).
- 913 Presentation of the Edison medal to Professor Kennely. *Sci. Mo.* 38:268-88 (1934).
- 787, 922 An Adventure in Education. *Sigma Xi Quarterly* 23:174-187 (1935).
- 783-786,
919-921 Lecture I: Cooperation between the Technical Industries and Technical Education in America. Lecture II: Types of Practices, Processes and Products that Flow into American Industry Directly from University Research. Lecture III: The Relations of Standards and of Means for Accurate Measurement to Effective Development of Industrial Production. Institute of Electrical Engineers of Japan, Iwadare Foundation (1935).
- 788, 918 Objectives of engineering education. *J. Eng. Education* 26:60-85 (1935).
- 778 The origins of engineering. Its comprehensive contributions to social welfare. *Tech Rev.* 38:51-53, 74-78 (1935).
- 782 Half a century of electrical engineering degrees at M.I.T. *Sparks* 18-19 (1935).
- 789, 923 Japanese higher education and research in the physical sciences. *Science* 84:189 (1936).
- 790, 925 Observations on education in Japan. *Institute of International Education News Bulletin* 12:4 (1937).
- 792, 926 Industrial and Cultural Japan. *El. Eng.* (Feb. 1937).
- 927 Elihu Thomson. *Am. Phil. Soc. Yearbook* (1937).
- 928 Engineers and economics – II. *El. Eng.* (Oct. 1937).
- 929 Paul (André-Marie) Janet (1863-1937). *Am. Acad. Arts and Sciences Proc.* 72:363 (1938).

- 929 Michael Idvorsky Pupin (1858-1935). *Am. Acad. Arts and Sciences Proc.* 72:379 (1938).
- 929 Elihu Thomson (1853-1937). *Am. Acad. Arts and Sciences Proc.* 72:391 (1938).
- 930 Guglielmo Marconi. *Sci. Monthly* 47:144-51 (1938).
- 793-804,
931 Engineering's part in the development of civilization. Six lectures. *M.E.* 60:529 (1938) and *Science* 2307:231 (1939).
- 805, 932 The social significance of engineering. *El. Eng.* (Feb. 1939).
- 933 Some high lights in the evolution of electrical engineering education. *El. Eng.* (April 1939).
- 934 Elihu Thomson: Electrical engineer. *El. Eng.* (June 1939).
- 935 Engineering education. *J. of Eng. Educ.* 29:10 (1939).
- 937 Review of Cressy's A Hundred Years of Mechanical Engineering. *Isis* 31:94 (1939).
- 936 Trends in engineering education. *J. of Eng. Educ.* 30:2 (1939).
- Engineering and the development of civilization. *The Bent of Tau Beta Pi* 108-12 (Nov. 1939).
- 806, 938 Man in an engineering world. *Frank Inst. J.* 230:1 (1940).
- 810, 939 Trends in engineering education. *Science* 92:2383 (1940).
- 940 Albert Sauveur. *Am. Phil. Soc. Yearbook* (1940).
- 941 Discussion on Dr. James T. Shotwell's address. *Am. Inst. Consulting Eng. Annual Meeting* (Jan. 1941).
- 811, 942 Hitlerism must be brought to unconditional surrender. *Boston Herald* (Feb. 9, 1941).
- 944 Lewis B. Stillwell. *Am. Phil. Soc. Yearbook* 405-09 (1941).
- 945 Should the small liberal college never undertake graduate work? *School and Society* 55:1418 (1942).

- 946 Turkey has made remarkable progress. *Boston Herald* (June 20, 1942).
- 813,947 Engineering in our early history. The American Philosophical Society and engineering from 1768 to 1876, *Am. Phil. Soc. Proc.* 86:1 (1942).
- Review of The Rise of the Electrical Industry during the Nineteenth Century by Malcolm MacLaren. *Amer. Hist. Review* (1943).
- 948 Frank Julian Sprague, 1857-1934. *Sci. Monthly* 57:431-41 (1934).
- Joining a Professional Society. *M.E.* 12:900 (1943).
- E.C.P.D. proposed Canons of Ethics. *El. Eng.* 12:441-42 (1944).
- 949 Our need of further research. *J. of Eng. Educ.* 34:7 (1944).
- The ECPD proposed Canons of Ethics. *El. Eng.* 12:441-42 (1944).
- 950 Canons of ethics and the industrial engineer. *Industrial Engineer* 4:8 (1944).
- 816, 951 George Alexander Orrok. *Am. Soc. C.E. Trans.* 110 (1944).
- 824 Benjamin Thomson: Count Rumford. *Tech. Rev.* 48:1 (1945).
- 826, 952 The war project called E.S.M.W.T. and its permanent lessons for American engineering schools. *J. of Eng. Educ.* 36:5 (1946).
- 953 Uniform canons of ethics in engineering. *The Bent of Tau Beta Pi* 37:1 (1946).
- 827, 954 Willis Rodney Whitney. An appreciation based on Broderick's recent biography. *M.E.* (Aug. 1946).
- 955 Management as a profession. Summing up. *Modern Management* 7:1 (1947).
- 956 Report on present-day salaries of members of the instruction staff of engineering schools in United States and Canada. (With D.C. Jackson, Jr. and M.G. Kispert) *Am. Soc. Eng. Educ.* (June 1947).

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