

11/6/23

Engineering

Electrical Engineering

Edward Waldo Papers, 1806, 1817-18, 1880-1930, 1943

Box 1:

Specifications for winding for old GE machines, MP Fields, 1892

WP/LWP Fields, 1892

F Fields, 1893

SRF/SRG Fields, 1893

Transit and other data, no date

D Armature, 1892

MP Armature, 1892

F Armature, 1893

SRF/SRG Armature, 1892-93

WP/LWP Armature, 1892-93

D Dynamo Fields, 1892

D Motor Fields, 1892-93

Scrapbook L, 1890-1905

Scrapbook II (includes engineering data, diagrams, blueprints, lists dealing with various equipment, notable transformers, arc lamps, generators, alternators, dynamometers; 9 folders including index), 1890-1905

Wiring, Diagrams, tables, scrapbooks (unidentifiable in regard to indexes of scrapbooks I, II, 1890-1905. Deals with the same type of material), 1890-1905

Floor plan of new Electrical Engineering Building, University of Pennsylvania, ca. 1900

Steam Turbines, published lectures of Dr. Ernst J. Berg (delivered to the employees of the Commonwealth Edison Company), February, March, April 1910

Notes, Jones Lecture, Electrochemistry, Motor Rotation, 1911

Notes and problems, Berg's Election Engineering 101, 1911

Math, Notes on the lectures of Craythorne and Berg; Differential and Partial Differential equations, 1912

Berg's lecture, Electrical Engineering 101 (Notes of Waldo's from classes at the University of Illinois while working on M.S. degree), 1912

(Class lecture folders contain notes, graphs, charts, class assignments)

Class lectures, Load curves, class problems, journal articles, charts, 1909-30
transformer design, 1914-15
1915-16

Electrical Engineering 94, Radio, 1918, contains exams and problems and a carbon copy of a paper entitled The Uses of Vacuum Tubes in Radio Telegraphy and Telephony, 16 pages plus three pages of charts. A Method of Transformer Design, ca. 1915-20, handwritten and carbon copy of a paper dealing primarily with cruciform type of coil and the shell type of transformer, 11 pages with explanatory diagrams and tables.

Class lectures, transformer design, 1921

11/6/23

2

1922
1923-25

Transformer Design (circular coils) by Archer, 1924, carbon copy of a student's paper assisted by Waldo

Class lectures, transformer design, 1925
1925-26

Class lectures - Eddy current losses in conductors, Electrical Engineering 71 (includes charts, class problems, graphs; article on The Additional Losses in Copper. Development and first approximate calculation, translation from the German Die Zusatzlichen, Verluste Im Kupfer Ansatz Und Erste Maherlungsrechnerum - contains both the German and translation; three photographs of conductors), 1925, 1927

Eddy Currents, publications by the Department of Commerce (used with above lecture), 1925-26
Publications of the Portland Cement Association and personal notebook concerning concrete, ca. 1927

Data from which curves of 1925, 1926, 1927 were drawn, cruciform, core type, student's work
Class lectures, alternator design, 1928, explanations and tables on the procedure in the design of an alternator or synchronous motor, examination for Electrical Engineering 55, January 25, 1927

Some Notes on Transformer Design, title of Waldo's paper discussing the most economical proportions for transformers and giving a method in which the densities of flux and of current are brought into the solution. Thirteen pages plus 10 pages appendix, six pages of charts, copy, 1928

Correspondence to Waldo from E. H. Herbert, secretary of the American Institute of Electrical Engineers, July 26, 1928, concerning publication in Transactions.

Some Notes on Transformer Design (same as above with some changes - both the original and a copy plus a three page abridgement; correspondence, August 6, 1929, from George R. Metcalfe, editor of American Institute of Electrical Engineers returning the original material), 1929

Data of minimum cost transformers, statistics, undated
Directory of electric utilities in Illinois, 1923
Transformer check values, 2300 v. - 25 r
Transformer check values, 2300 v. - 60 6
Golden Wedding Anniversary Album, August 16, 1943

Box 2:

Announcements, wedding, 1910, 1917
Class Credit - religious education, 1928-30
D. Allen's Journal, of a trip to the West Indies, 1817-18
Essays, 1880-86
Inventories of personal property
Newspaper articles
Personal and family correspondence, 1880-1908
Religious material, pamphlets and articles

2 Scrapbooks - obituaries, poems, letters, newspaper articles

Genealogy, Index, A-Z

General (1), De Mowes (2)

Allen (3)

Lansing (4)

Hardenbergh (5, 6)

Bevier (7)

Brinkerhoff (8)

Brinkerhoff, Martina, ca. 1806 (8)

Waldo (20)

Jewett (2)

Clark (22)

Trelease (35), Malcomson (36), Noel (37)

Beaman (47)

Worcester (48)

Stockbridge (49)