Born January 8, 1866, Powells Valley, Pa.

Baltimore City College, 1879 - 1880

Lebannon Valley 1880 - 1882

Cornell - M.E. in E.E. 1887

1888 - Western Engineering Company, Lincoln, Nebraska

1889 - Instructor, electrical laboratory, Cornell

1890 - 1895 - Assistant Professor Electrical Engineering, Cornell

1895 - 1905 - Professor Electrical Engineering, Cornell

1905 to date - Professor Electrical Engineering Stanford University

1909 - Consulting Engineer, Lds Angeles Aqueduct Power Development

1918 - 1919 - In charge Research Council Supersonics Laboratory

Associate A.I.E.E. 1887

Member " 1895

Fellow " 1923

Manager 1895 - 1896

Vice President 1896 - 1898

President - 1923 - 1924

Served on Edison Medal, Meetings and Papers, Electrophysics, Transmission and Distribution and Research Committees.

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1001