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Student Affairs

Student Scrapbooks and Papers

William F. Schaller Papers, 1906-1915, 1921, 1967

Tape-Recorded Recollection, October 6, 1967

Footage	Description
1-10	Identification
11-24	Enrollment at University of Illinois in Electrical Engineering. 31 students. 1909-10, Major improvement in electrical engineering courses.
25-35	Dr. Ernst J. Berg taught the Steinmetz type of electrical engineering. Upgraded quality of theses. Interested in graduate training and placement.
36-70	Schaller's work as a testing engineer at General Electric in Schenectady, N.Y. Berg's connection with Charles P. Steinmetz. Steinmetz lectured to 12 Illinois students. Smoked cigars. Skilled mathematician. Interest in students. Civic figure.
71-82	Steinmetz started Schaller on his master's thesis. Steinmetz initiated into Eta Kappa Nu. He sent a 2,000 cycle rotary converter to Illinois.
83-89	Schaller's thesis. Graduate work.
90-99	Prof. Trygvie Yensen.
100-111	Securing services of E.J. Berg. Berg's interest in students.
112-121	Prof. Morgan Brooks, technical engineer, inventor of the circle diagram for designing induction motors.
122-126	Profs. Waldo, Bryant and Paine
127-161	Berg's appearance and characteristics. Smoked dollar cigars. Returned to New York in 1913. Advised on Schaller's senior thesis. Faculty came right up to Berg's standards and carried on after 1913.
162-169	Schaller's 1911-12 College of Engineering scholarship for \$250.
170-176	Consulting at Urbana light plant. Berg advised on billing.
177-195	Schaller's work at Brooklyn Edison; New York, New Haven and Hartford Railroad; H.L. Gantt; efficiency engineering; cut costs of New Haven's power generation.
196-210	Engineering career as an army officer in World War I. Military experience.
211-225	Post-war career at Moline. Built front drive automobiles. 1922- retirement power switch gear business.
226-240	Prof. Trygvie Yensen- Dedicated worker. Iron development.
241-242	Prof. Arthur Crathorne.
243-265	Graduate work at Illinois. Steinmetz's electrical engineering books. Helped proof read them at Schenectady.
266-314	Steinmetz's versatility. Consul to Schaller on graduate work. Thesis work at Schenectady. Steinmetz's contributions, lightning experiments. Transmission lines. Robinson, Peak.
315-329	Measurements. Study of transients and shape of peaks. Data used in equipment design.
330-342	Berg sent students to Schenectady. Good representation from University of

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	Illinois. Chandler Prince became a General Electric Co. vice president.
343-353	W.L. Abbott and Peter Junkersfeld. Commonwealth Edison used G.E. turbines. Steam path through the turbine was worked out mathematically by Berg and Steinmetz.
354-364	History of science and technology.