

11/6/22

Engineering

Electrical Engineering

Ellery B. Paine Papers, 1916, 1967

November 15, 1967 - Reads prepared responses to written questions submitted in advance.

6 - 24

25 - 85 Appointment of Joseph T. Tykociner. Paine was responsible, Two others were
1. Trygve Jensen who developed a transformer, won a prize, entered Illinois for
graduate work, developed a special iron and moved to Westinghouse with his
patents.

86 - 132 2. Harold B. Smith of Worcester Polytechnic Institute, who wished to come to
Illinois if paine went to Westinghouse. paine had developed a high voltage
transformer, paine accepted a summer at the Westinghouse research department
at Pittsburgh.

133 - 134 Graduate students continued research work on the magnetic
properties of iron which had begun with Jensen.

135-185 Westinghouse wrote Paine that Illinois could have Tykociner.
This led to Tykociner's work here.

186-208 I first saw Tykociner at the school opening meeting of College of Engineering
faculty. We had to drop the magnetic properties of iron research.

209 - 231 Decided to proceed with Prof. Tykociner's interest in sound on
film. June, 1922 - Successful demonstration of the discovery.

232 - 314 Patent rights question rose again. Decided that University has no claim to patent
rights. Tykociner was disappointed in negative industrial reaction. University
decided it was unwise to use university funds for the commercial development of
sound film. Tykociner's later career. Radio and high voltage research.

315 - 329 Patents by Brown and Knipp. Electrical engineering research. General Electric.

336 - 443 Hazing, class rivalries. 1904 - T.A. Clark appointed Dean of Undergraduates. 1906-
09 - Color rush. I ran the 1907 rush.

444-502 1910 - First Homecoming. Football, baseball and pushball
between freshmen and sophomores

503 - 530 Sack rush replaced pushball after a pushball death at another
university. Hazing and contests are no longer necessary.

