

ALUMNI YOU SHOULD KNOW

ELECTRICAL ENGINEER

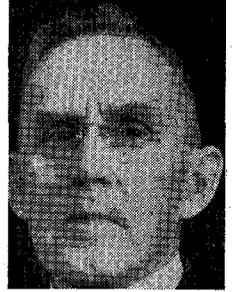
Last June was the thirty-fifth reunion for J. M. Gaylord who graduated from Throop Polytechnic Institute in 1902. After several years with the old Edison Electric Company he decided he needed more education than Throop had been able to give him and went to M.I.T. where in 1907 he received an S.B. in electrical engineering.

At this time Mr. Gaylord joined the U. S. Reclamation Service starting as a mechanic on the erection of hydraulic turbines at Roosevelt Dam. He rose rapidly in the service becoming in 1909 Superintendent of Construction of the power system of the 50,000 acre irrigation project at Minidoka, Idaho. This project, then the country's largest pumping system, involved a 10,000 H.P. power plant, a transmission line,

and a pumping plant. From 1915 until 1925 he was Chief Electrical Engineer of the Reclamation Service.

In 1924 Mr. Gaylord became Superintendent of Hydrogeneration for the Southern California Edison Company and was responsible for the operation of the company's 24 hydroelectric plants aggregating 657,000 H.P.; the sixth largest power system in the United States.

Since 1931 Mr. Gaylord has been Chief Electrical Engineer of the Metropolitan Water District of Southern California, a position wherein he has active charge of the design and construction of the 230 kv. transmission line and the five pumping plants which will eventually consume 36% of the energy generated at Boulder Dam.



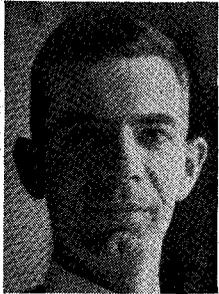
J. M. GAYLORD

PHYSICIST

H. R. Crane received a B.S. in Physics in the spring of 1930 after the customary four years of undergraduate work. Then came several months of travel in Europe which terminated in time for his enrollment in the graduate school at the beginning of the Spring term 1931. At this time a program of research on high voltage X-ray apparatus and technic, using the facilities of the million volt testing laboratory, was getting under way in the Physics Department. This offered an attractive field to Dick Crane and he joined forces with Dr. Lauritsen as research assistant. This work culminated in the design

and erection of equipment for the Kellogg Radiation Laboratory on the Tech campus. There followed as a related development the study of light elements under bombardment by high energy particles, and the phenomenon of induced radioactivity was produced.

With this work as a background, Crane received the degree of Ph.D. Magna Cum Laude in 1934, and subsequently accepted a post at the University of Michigan as instructor and research associate in Physics. His work in this capacity has earned for him a rank among the nation's "atom smashers."



H. R. CRANE

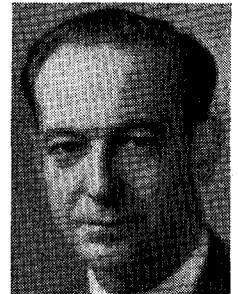
PATENT ATTORNEY

Ward Foster, President of the Alumni Association for the current year, is remembered by his Tech contemporaries for his numerous and varied undergraduate activities, including the Student Body presidency in his senior year. To older graduates, he is known through his alumni activities since graduating in '27.

Immediately deserting the field of pure engineering, Ward became interested in the practice of patent law. He says a Tech education is an excellent background for a legal training. Incidentally, he proved it by his enviable record at U.S.C. Law School. Now admitted to practice in the State and Federal Courts, he finds his forensic and scientific training at Tech a valuable adjunct to the practice of his chosen profession. Thus, from winning awards in debating

and extemporaneous speaking, Ward has turned to judicial awards and, from all we hear, his number of wins for his clients is enviable. He has been associated with the same law office since graduation and now devotes his entire time to litigation in the Federal Courts of California and the East. As we would have expected, his executive, legal and technical abilities have elevated him to a partnership basis, and we find him in association with other Tech men in an office in the Chamber of Commerce Building behind doors bearing the name, Harris, Kiech, Foster and Harris.

We look forward to his leadership for the ensuing year, knowing that his talents and ambitions will lead us to new successes in Association activities.



W. D. FOSTER