him at the time of his retirement in 1941. In 1934 he was elected Chairman of the Board of Directors, serving in that capacity until his retirement. He joined Kodak in 1894 as an expert in photographic emulsions at the invitation of George Eastman, whose successor he later became.

He was born in Louisville, Ky., in 1864, the son of one of the first professional photographers in Kentucky. At the age of 17, following the death of his father, he took over the business. His main concern was to develop a better photographic emulsion. His early struggles are touchingly revealed in a biography written by his wife, Rose, who died in 1947. "Quest of the perfect emulsion was Stuber's sole purpose after livelihood was provided," she said, "and livelihood was meager.... It was vital to mix and stir emulsion continuously in a darkened room ...man and wife alternated their sleeping hours ... and so on, night after night." This "stubborn sacrifice," as she called it, eventually resulted in tangible rewards. In 1889, Mr. Stuber was awarded two bronze medals by the American Society of Photographers, and the following year the organization elected him its Vice-President. Four years later the invitation from George Eastman came offering him an appointment as head of the emulsion-making department at Kodak Park Works in Rochester.

During his 47 years of active service with

Eastman, under his direction improved photographic emulsions were introduced; a way to manufacture film continuously on a revolving wheel was placed in operation; the first motion-picture film was manufactured and, shortly after x-rays were discovered, Kodak photo products were modified for use in x-ray work, among other milestones recorded during his management.

Biographical Notes



Robert S. Burnap

Robert S. Burnap, pioneer electron tube engineer, has retired as Manager of Commercial Engineering, RCA Electron Tube Division, after 42 years with RCA and predecessor companies. He will continue to serve the Division as a consultant.

Born in Monterey, Mass., Mr. Burnap was graduated from the Massachusetts Institute of Technology in 1916 and remained there as a research assistant in Illumination and Photometry for a year following his graduation. In 1917 he began his career as an engineer with the Edison Lamp Works of the General Electric Co. and was placed in charge of the Physics Laboratory. During World War I, he was a master signal electrician with the Testing Section, Research Laboratory of the Signal Corps. After his military service he returned to Edison Lamp Works where he engaged in engineering and lamp design and, in 1924, was appointed Manager of the Commercial Engineering Section of the Lamp Works. In 1930, when the plant was acquired by RCA, he remained in the same position.

Mr. Burnap holds a number of patents on lamp design. He has been active on many professional society and industry standardization committees. A Fellow of the Society since 1934, he also holds the rank of Fellow in the IRE and the AIEE.

A. H. S. Cracybeckx, lecturer and author, celebrated on May 1, 1959, his 35th year with Gevaert Photo-Production where he holds the post of Chief Editor. Among his publications are *Gevaert Manual of Photog*raphy, published in 13 languages, and *Photorama*, the international review of photography. A lecture delivered in 1956 before UNESCO on the subject of "Photography as a Language," received international notice. He is also Chief Editor for Belgium of the Dutch publication, Elseviers Encylopedia for Photography and Cinematography.



PRECISION° FILM EDITING EQUIPMENT

Model S635-1

Precision Unitized Film Synchronizer