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The Daniel and Florence Guggenheim Foundation, 120 Broadway, New York 5, which annually grants Fellowships for studies in Jet Propulsion at Princeton and the California Institute of Technology, and in Flight Structure at Columbia University, has announced that applicants should file their credentials with the University of choice by March 1, 1960. Up to 18 Fellowships are awarded annually to qualified science or engineering students who are prepared for graduate study and who have outstanding technical ability and qualities of leadership; deep interest in rockets, jet propulsion, flight structure or astronautics, and an intention to follow one of these fields as a career. Applicants must reside in the United States or Canada.

Biographical Note



Edwin C. Fritts

Dr. Fritts retired on January 1, 1960, after being associated with Eastman Kodak Co. for 37 years. At the time of his retirement he was supervisory physicist in the apparatus research and development department of Eastman Kodak Co. Prior to his joining Eastman Kodak in 1923—the same year in which he received the degree of Ph.D. in Physics from the University of Illinois—he had been employed on a part-time basis during the summers of 1920 and 1921. In 1920 he invented the Kodak Autofocus Enlarger, one of the first amateur automatic focusing enlargers.

Recently Dr. Fritts has been associated with the development of the Eastman 16mm Projector, Model 25, and its counterparts for television use, Models 250 and 275. Since 1953 he has worked on various problems related to television and aerial photography. Earlier, he developed special apparatus, particularly for Cine-Kodak processing, and in cooperation with the Research Laboratories, he developed the Sound Kodascope Special. A Fellow of this Society, he has served for several years on the Television Committee and has published a number of papers in the *Journal*. One of his more recent papers is "A 16mm Projector for Operation With TV Film-Chain on Partial Storage Basis," (*Journal*, pp. 567-577, Oct. 1955). He is a member of Sigma Xi (honorary scientific fraternity), Photographic Society of America, and the Rochester Section of the American Optical Society.

books reviewed



Principles of Cinematography, 2d ed.

By Leslie J. Wheeler. Published (1958) by Fountain Press, 46-47 Chancery Lane, London W.C. 2. 472 pp. Illus. Published in the U.S. (1959) by Macmillan Co., 60 Fifth Ave., New York 11. Price \$12.75.

This book is a second edition of the book published in 1953. The publisher's jacket comments that, "The author explains in a wealth of detail all the processes and equipment used in present-day motion picture production and exhibition," and "The work comes right up to date." However, careful examination of the 1958 edition shows it to be an exact duplicate of the 1953 edition in all sections with no revisions or inclusions of the many recent developments. Faster black-and-white films of four years ago are not included, and color photography is excluded completely along with wide-screen and anamorphic systems.

The chapters covering General Photographic Principles, Cameras, Processing Equipment, Printing, Projection, Sound Recording, etc., are started with excellent historical and technological background material on each subject. The volume is well written and illustrated and contains a good bibliography although it has no recent reference additions.

The book provides an excellent reference for most phases of the technology and history of cinematography until ten years ago and would be a valuable source book for the library of anyone in the field.—*Earl W. Kage*, Eastman Kodak Co., Research Laboratories, Rochester 4, N.Y.

Kinotechnische Bücherei: Bildtechnik, by Helmuth Schering; **Elektrotechnik**, by Fritz Trommer; **Tontechnik**, by Fritz Trommer; **Vorführerätetechnik I**, by A. R. Schulze; **Vorführerätetechnik II**, by Gerhard Pierschel; **Störungsdienst-Kontrolle und Wartung**, by A. R. Schulze.

Ed. A. R. Schulze. Published (1959) by Fotokinoverlag, Halle (Saale), Germany. Paper covered. Approx. 70 pp. each. Illus. 5½ by 8 in. Prices DM 3.30 (\$0.79), 4.80 (\$1.15), 4.80 (\$1.15), 4.60 (\$1.10), 4.80 (\$1.15), 4.60 (\$1.10).

These six German booklets are part of a useful set of 14 motion-picture booklets issued by Fotokino Publishing Company in Halle, (East) Germany. The other eight publications are titled as follows: *Lichttechnik* (Lighting Technique); *Projektions-*