

BOOK REVIEWS

Geschichte der Kinematographie. WILHELM DOST. *W. Knapp*, Halle, a.S., 1925, 51 pages.

This history of motion pictures comprises the following chapters: a brief history of instantaneous photography; the beginning of "living pictures" from series photographs to the projection of "living pictures;" further historical development of motion pictures (1891-1895, approx.); the Kinematograph of the Lumière Bros. (1895-1897); and newer developments and technological improvements (1897-1907). The treatise gives 116 literature references and mentions 151 authors and inventors. Of interest is the reference to the apparent motion of "series" pictures as described by Titus Lucretius Carus, a Latin poet and philosopher who lived 99-55 B.C. The literature references are principally to the European literature, and only brief details of American and English work are given.

L. E. MUEHLER

Artificial Sunlight. M. LUCKIESH. *D. Van Nostrand & Co.*, New York, N. Y., 1930, 264 pp.

The biological effects of radiant energy have been coordinated with the physical principles underlying the study of radiation in an interesting and concise form. Much data, some new and some older, have been assembled in this volume in a manner useful to the engineer, chemist, biologist, or physician.

Application of these data has led to the construction of the G. E. tungsten-mercury arc lamp Sunlamp, the characteristics of which are fully described.

C. TUTTLE