

• First Glances at New Books

Cytology

BIOLOGICAL MOVIE BOOKLETS: VOL. I, NORMAL CELL DIVISION; VOL. II, MATURATION OF SPERM; VOL. VI, FERTILIZATION—Clyde E. Keeler—*American Genetic Association*, Set, \$1.50 (Separately: Vol. I, 50c; Vol. II, 60c; Vol. VI, 70c.) Remember the little booklets of pre-movie days, in which by fluttering the leaves you could see a dancer gyrate, or an acrobat perform? Dr. Keeler has turned this near-antique amusement device into an excellent visual educational method: on the fluttering pages you can now see the dance of the chromosomes as a flowing performance rather than as a series of stiff and difficult disconnected diagrams side by side on a page. It ought to make life much more bearable for thousands of freshmen.

Science News Letter, February 9, 1935

Physics

ENERGY AND MATTER—Charles B. Bazzoni—*University Society*, 137 p., cloth, \$1., paper 65c. Concise, non-technical review of energy and mass as they enter modern views of atomic theory. It contains some elementary concepts of wave mechanics and sections on the positron and neutron.

Science News Letter, February 9, 1935

Botany

KEY TO THE RUSTS OF THE PACIFIC NORTHWEST—J. W. Hotson—*Univ. of Washington Press*, 193 p., \$1.50. This publication should be of great use to phytopathologists and to mycologists generally, not only in the region for which it is specially designed but also over North America generally. Primary "key" divisions are by host plants, secondary divisions by mycological characters; descriptions are inserted in the key. It seems like an excellent arrangement.

Science News Letter, February 9, 1935

Chemical Technology

THE SCIENCE OF RUBBER (*Handbuch der Kautschukwissenschaft*)—Ed. by K. Memmler in collaboration with L. Hock and others. Authorized English translation ed. by R. F. Dunbrook and V. N. Morris in collaboration with ten members of the Firestone Research Laboratories—*Reinhold Publishing Corp.*, 770 p., \$15. Just five years have passed since the German edition of this valuable book appeared. For the half decade since then engineers and scien-

tists who must know about rubber have been waiting for the English version. Everything from Abnormal Rubber to Zinc Oxide in Rubber appears. Do not worry about possible commercialism which might rise as a bugaboo from the title. The book is a fine job of bringing an authoritative volume up to date by men whose job it is to know the subject.

Science News Letter, February 9, 1935

Horticulture

SWEET CORN. (VEGETABLES OF NEW YORK, VOL. 1—PART III)—William T. Tapley, Walter D. Enzie and Glen P. Van Eseltine—*New York State Agricultural Experiment Station*, 111 p., 24 col. pl., \$2.50. Professionally, this monograph will be valuable to truck farmers, canners and the vegetable trade generally; it will also interest teachers of horticulture and general botany.

Science News Letter, February 9, 1935

Engineering

MANUAL OF FIRE-LOSS PREVENTION OF THE FEDERAL FIRE COUNCIL—National Bureau of Standards—*Govt. Print. Off.*, 156 p., 20c. Detailed instructions upon how to prevent fire. This handbook should be of great use to industry as well as government departments.

Science News Letter, February 9, 1935

Aeronautics

REPORT OF THE FEDERAL AVIATION COMMISSION—*Govt. Print. Off.*, 254 p., price to be announced. An important and highly commendable feature of this report, which should serve as a model for all documents of its kind, is a section-by-section summary in the opening pages, each summary paragraph keyed with a reference number to its corresponding section in the text. (See article on page 95.)

Science News Letter, February 9, 1935

Biology

METHODS OF TEACHING HIGH SCHOOL BIOLOGY—A SYLLABUS—Ove S. Olson—*Burgess Publishing Co.*, 67 mimeographed leaves, \$1.25.

Science News Letter, February 9, 1935

Economics

YOU AND MACHINES—William F. Ogburn—*American Council on Education*, 55 p., 15c. This is the pamphlet intended for CCC camps which did not get there, but is now published by the American Council on Education. Some of the subheads are: Man Without Machines—Babes in the Woods; The Machine Takes Our Jobs Away; Machines Create Jobs, Too; A Poor Man Can't Own a Big Machine; The Machine is as Dangerous as a Wild Animal; Cities are the Creatures of Machines; The Inventors of the Automobile Exerted Much More Influence on History than Napoleon, etc. The author is the University of Chicago sociologist. Cartoons by F. G. Cooper point the text.

Science News Letter, February 9, 1935

Archaeology

A MANUAL OF EXCAVATION IN THE NEAR EAST—William Frederic Badè—*Univ. of California Press*, 81 p., \$1.50. Increasingly in the future, predicts Dr. Badè, students of archaeological reports will desire information on the methods employed. Not only is the technique of digging, preserving, and recording very helpful to workers who are gaining experience, but the technique is often important to any one wishing to judge the value of the research. In this slim manual, Dr. Badè shows just what he means, by presenting a practical, specific explanation with illustrations, of his methods used at Tell en-Nasbeh. While he is writing of Palestine, much of what he explains is useful for archaeology in other fields.

Science News Letter, February 9, 1935

Botany

FLORA OF THE NIAGARA FRONTIER REGION—Charles A. Zenkert—*Buffalo Society of Natural Sciences*, 328 p., map, \$2; map, 10c. A worthy addition to the growing list of regional and local floras, which make life much more livable for a botanist finding himself in "foreign parts." This book applies to an especially interesting floral area.

Science News Letter, February 9, 1935

Science News Letter will secure for its subscribers any book or magazine in print which was published in the United States. Send check or money order to cover regular retail price (\$5 if price is unknown, change to be remitted) and we will pay postage in the U. S. When publications are free, send 10c. for handling. Address Book Dept., Science News Letter, 2101 Constitution Avenue, Washington, D. C.