

• First Glances at New Books

Physics

SPARKS, LIGHTNING, COSMIC RAYS—Dayton Clarence Miller—*Macmillan*, 192 p., \$2.50. See page 9.

Science News Letter, July 1, 1939

Photography

PRESS PHOTOGRAPHY WITH THE MINIATURE CAMERA—Duane Featherstonhaugh—*American Photographic Pub. Co.*, 159 p., \$2. A practical book telling the amateur how the author uses his miniature camera.

Science News Letter, July 1, 1939

Agriculture—Engineering

FLOW OF WATER IN IRRIGATION AND SIMILAR CANALS—Fred C. Scobey—*Govt. Print. Off.*, 79 p., 20c.

Science News Letter, July 1, 1939

Engineering

DIESEL ENGINES AND DIESEL ELECTRIC POWER—E. L. Richards—*Drake*, 304 p., \$2.50. A book of instruction on Diesel engines, their construction, principles, operation and maintenance.

Science News Letter, July 1, 1939

Physics

ELECTRON OPTICS—L. M. Myers—*Van Nostrand*, 618 p., \$12. Discussing completely in its practical and theoretical phases the art of electron optics, this book is the most comprehensive reference volume yet to appear on this highly important subject. The author, from the research department of Marconi's Wireless Telegraphic Co. Ltd. summarizes the known discoveries through the literature of 1937. Electron microscopes and electron television tubes are only two of the many important fields of usefulness described in this encyclopedic book.

Science News Letter, July 1, 1939

Chemistry

OFFICIAL METHODS OF ANALYSIS OF THE INTERNATIONAL SOCIETY OF LEATHER TRADES' CHEMISTS—*Chemical Pub. Co.*, 164 p., \$3.50. A summary of chemical methods useful for workers in this industrial field.

Science News Letter, July 1, 1939

Biology

MANUAL OF BIOLOGY; Part I, The Protozoa and the Plant; Part II, The Metazoan Animals—Douglas Marshland and Paul F. Brandwein—*Holt*, Pt. I, 211 p., Pt. II, 176 p., \$1.20 each.

Science News Letter, July 1, 1939

Mathematics

ALGEBRA: AN INTERESTING LANGUAGE—Ernst R. Breslich—*Orthovis*, 70 p., \$1.20. A compact little book that will

help high school students who are having trouble with their algebra. It turns the often abstract problems of ordinary text books into intriguing puzzles which algebra easily can solve.

Science News Letter, July 1, 1939

Economics

MEN WANTED—O. G. H. Rasch—*Pelican*, 266 p., \$2. An inspirational type book by a chain store executive stressing opportunities in that field.

Science News Letter, July 1, 1939

Architecture

EGYPTIAN ARCHITECTURE—Flinders Petrie—*British School of Archaeology in Egypt and Bernard Quaritch, Ltd.*, London, 129 p., 8 shillings. See page 11.

Science News Letter, July 1, 1939

Engineering

ARC WELDING IN DESIGN, MANUFACTURE AND CONSTRUCTION—James F. Lincoln Arc Welding Foundation—1408 p., \$1.50. A monumental volume of the 109 award papers in a \$200,000 arc welding contest.

Science News Letter, July 1, 1939

Archaeology

THE KURRAH PAPYRI FROM APHRODITO IN THE ORIENTAL INSTITUTE—Nabia Abbott—*Univ. of Chicago Press*, 101 p., \$1.50. Text, translation, and comment on letters and orders from an Arab governor of Egypt in the eighth century A.D. An introductory chapter on papyrology is an interesting addition, as are also the notes on Kurrah's life and times.

Science News Letter, July 1, 1939

Archaeology

ANCIENT ANDEAN LIFE—Edgar L. Hewett—*Bobbs-Merrill*, 336 p., \$4. The third and last volume of Dr. Hewett's trilogy dealing with the drama of human life as experienced by Indians of the Southwest, Mexico, and, now, South America. He is concerned, he explains, with a comparative archaeology which may bring the Indian into a world-wide philosophy of history, and to that end the discussions emphasize life, rather than archaeological discovery.

Science News Letter, July 1, 1939

Engineering

PROBLEMS IN MECHANICS—G. B. Karelitz, J. Ormondroyd and J. M. Garrelts—*Macmillan*, 271 p., \$2.50. Hundreds of problems that give embryo engineers a chance to apply their mathematics and physics. This text is based on the original collection of I. V. Mestchersky.

Science News Letter, July 1, 1939

Biography—Medicine

DOCTOR—HERE'S YOUR HAT! The Autobiography of a Family Doctor—Joseph A. Jerger, M.D.—*Prentice-Hall*, 279 p., \$2.75. A family doctor tells the story of his own experience with patients and doctors, to back up his plea for reforms in medical practice.

Science News Letter, July 1, 1939

Psychiatry

PROBLEMS IN PRISON PSYCHIATRY—J. G. Wilson and M. J. Pescor—*Caxton*, 271 p., \$3. See page 12.

Science News Letter, July 1, 1939

Economics—Law

HOW TO AVOID FINANCIAL TANGLES, 3rd ed.—Kenneth C. Masteller—*American Institute for Economic Research*, 159 p., \$1. New edition of a most popular and valuable little book.

Science News Letter, July 1, 1939

Zoology

ILLUSTRATED KEY TO WEST NORTH AMERICAN PELECYPOD GENERA—A. Myra Keen and Don L. Fritzzell—*Stanford Univ. Press*, 28 p., 75c.

Science News Letter, July 1, 1939

General Science

DICTIONARY OF SCIENTIFIC TERMS—C. M. Beadnell—*Chemical Pub. Co.*, 235 p., \$3. A useful supplement to more general dictionaries. Compiled in England.

Science News Letter, July 1, 1939

Paleontology

NEW PANTODONTA AND DINOCERATA FROM THE UPPER PALEOCENE OF WESTERN COLORADO—Bryan Patterson—*Field Museum of Natural History*, 384 p., 50c.

Science News Letter, July 1, 1939

Education

THE HEBREW UNIVERSITY, JERUSALEM: Its History and Development—*Limited number of copies available from American Friends of the Hebrew University, Inc.*, 10 E. 40th St., New York.

Science News Letter, July 1, 1939

Agriculture

FARM MANAGEMENT—Robert R. Hudson—*Macmillan*, 396 p., \$1.80. This book was written primarily for use as a high-school text, for young people who will some day own or manage individual farms. However, it would be worth a careful reading on the part of urbanites who rarely or never see a farm, simply to give them some notion of problems that affect them even though they may never become conscious of their existence.

Science News Letter, July 1, 1939