

•First Glances at New Books

Aviation

YOUR WINGS—Aspen Jordanoff—*Funk & Wagnalls*, 281 p., illus., \$2.50. A wartime pilot puts down the fundamentals of flying, in a grand book, beautifully illustrated. Every boy who wants to fly (and his father too) will want to read it; for it aims to include every conceivable thing that can be taught on flying by means of the written word or clear drawings. It should be a valuable aid to actual flight instruction.

Science News Letter, February 6, 1937

Microscopy

HUNTING WITH THE MICROSCOPE—Gaylord Johnson—*Leisure League*, 96 p., 25c. Alice went through a Looking Glass in a dream, and had a lot of interesting adventures. But any of us can go through the Object Glass of a microscope and have adventures still more interesting—and not dreams, at that. This new pamphlet in the Leisure League series tells how.

Science News Letter, February 6, 1937

Illuminating Engineering

TURNING NIGHT INTO DAY, THE STORY OF LIGHTING—M. Ilin—*Lippincott*, 119 p., illus., \$1. Trans. by Beatrice Kinkead. This is one of the few books in the field of popular science to come from U.S.S.R. The author has four other boy's books of science to his credit. Almost the first words deny that Thomas Edison invented the electric light; but that will only set Americans turning pages to find out who did. The original charcoal illustrations of the Russian edition lend interest.

Science News Letter, February 6, 1937

Archaeology

CULTURE OF SITES WHICH WERE OCCUPIED SHORTLY BEFORE THE ERUPTION OF SUNSET CRATER—J. C. McGregor—*Northern Arizona Society of Science and Art*, 52 p., illus., 60c.

Science News Letter, February 6, 1937

Agricultural Economics

INCOME IN AGRICULTURE 1929-1935—Robert F. Martin—*National Industrial Conference Board*, 168 p., illus., \$2.50. Economists have had the agricultural-income problem increasingly thrust upon them of late years, first by hard times in the commercial farming regions during an industrial boom period in the cities, then by the agrarian-political revolution that eventuated when

the urban boom finally collapsed, and emergency efforts by government to relieve and remedy the situation. The present treatise, though reflecting a certain degree of disapproval of recent efforts to help the farming industry, strives to be as objective as possible in its treatment of data admittedly incomplete.

Science News Letter, February 6, 1937

Physics

RADIOACTIVITÉ—Mme. Pierre Curie—*Hermann & Cie, Paris*, 563 p., illus., 150 fr. The world's greatest authority, whose recent death was a major loss to the world of science, here reviewed comprehensively the known knowledge on radioactivity, both natural and artificial. This work is recommended as a valuable reference book covering the field up to the end of 1935 for those who read scientific French.

Science News Letter, February 6, 1937

Astronomy

UNVEILING THE UNIVERSE, WHERE WE ARE AND WHAT WE ARE AS TOLD BY THE TELESCOPE & SPECTROSCOPE—*Research Publishers*, 135 p., illus., \$1 plus 12c in stamps. A curiously gotten up book, simply crammed with illustrations, giving compact masses of astronomical information, stories from the history of astronomy, brief accounts of modern telescopes and telescope makes, and much other pertinent matter. Larger and clearer type would make the book more easily readable; an index, too, might be helpful.

Science News Letter, February 6, 1937

Botany—Technology

THE MAHOGANY BOOK (2nd ed.)—George N. Lamb—*Mahogany Assn., Inc.*, 75 East Wacker Drive, Chicago, Ill., 80 p. Free to architects, furniture manufacturers and others interested in mahogany products, upon direct application to the Association at address given above. This pamphlet contains a really astonishing quantity of information about the best known and one of the most beautiful of tropical woods: its botany and distribution, its working and use, with many fine illustrations of mahogany, all the way from jungle tree to fine furniture and paneling.

Science News Letter, February 6, 1937

Physics

POLARISATION DIÉLECTRIQUE—G. Allard—*Hermann & Cie, Paris*, 28 p., 10fr.

Science News Letter, February 6, 1937

Physics

THE QUANTUM THEORY OF RADIATION—W. Heitler—*Oxford*, 252 p., \$6. A German theoretical physicist collects the literature of the new quantum mechanics into an excellent book for research physicists. Already the volume is appearing on the reference shelves of physics department libraries, and graduate students are reading it in connection with their courses.

Science News Letter, February 6, 1937

Chemistry

THE THERMOCHEMISTRY OF THE CHEMICAL SUBSTANCES—F. Russell Bichowsky and Frederick D. Rossini—*Reinhold*, 460 p., \$7. A complete revision of that section of the International Critical Tables dealing with the heats of formation of chemical substances. Carbon compounds containing more than two carbon atoms are excluded.

Science News Letter, February 6, 1937

Horology

TIME AND ITS MYSTERIES, SERIES I; FOUR LECTURES GIVEN ON THE JAMES ARTHUR FOUNDATION, NEW YORK UNIVERSITY—Robert A. Millikan, John C. Merriam, Harlow Shapley, and James H. Breasted—*New York University*, 102 p., illus., \$2. Four famous scientists cooperated in this unique lecture course in which, linked by a single topic, summaries of physics, history, astronomy and archaeology are presented. The popularly written lectures have been edited into a pleasing book.

Science News Letter, February 6, 1937

Physics

THÉORIE DU PASSAGE DES RAYONS COSMIQUES A TRAVERS LA MATIÈRE—J. Solomon—*Hermann & Cie, Paris*, 65 p., 18fr.

Science News Letter, February 6, 1937

Physics

ANALYSE DES MATIÈRES CRISTALLISÉES AU MOYEN DES RAYONS X—M. E. Nahmias—*Hermann & Cie, Paris*, 45 p., 15fr.

Science News Letter, February 6, 1937

Physics

LES RAYONS COSMIQUES, 47 p., 10fr; TRANSMUTATIONS, 83 p., 18fr.; L'ÉTAT SOLIDE DE LA MATIÈRE, 73 p., 18fr.—Congrès International de Physique organisé par l'Union Internationale de Physique et la Physical Society—*Hermann & Cie, Paris*.

Science News Letter, February 6, 1937