

● First Glances at New Books

Physics

THE MYSTERIES OF THE ATOM—H. A. Wilson—*Van Nostrand*, 145 p., \$2.50. This discusses the new ideas of physics which have come into being during the 20th century as the result of the collapse of classical theories. The new facts and what science thinks about them are told without entering into technical details.

Science News Letter, August 11, 1934

Bibliography

ALUMNI READING LISTS—Edith Thomas and T. R. Barcus, Compilers—*University of Michigan*, 209 p., \$1.25. Here is a university which takes an intelligent interest in its graduates after they leave Michigan! Good, readable books on almost every subject are listed with annotations, and the lists have been brought up to date since the first edition, published in 1931.

Science News Letter, August 11, 1934

Medicine

THE MEDICAL PROFESSION AND THE PUBLIC: CURRENTS AND COUNTER-CURRENTS—*American Academy of Political and Social Science*, 112 p., \$1. Contains papers read at a joint meeting of The College of Physicians of Philadelphia and The American Academy of Political and Social Science.

Science News Letter, August 11, 1934

Hygiene

NARCOTICS AND YOUTH TODAY—Robert E. Corradini—*Foundation for Narcotics Research and Information, Inc.*, 113 p., cloth bd. 60c., paper bd. 30c. Designed to teach boys and girls the scientific facts about narcotic drugs including alcohol.

Science News Letter, August 11, 1934

Medicine

A SOLDIER IN SCIENCE, THE AUTOBIOGRAPHY OF BAILEY K. ASHFORD—*Morrow*, 425 p., \$3.50. Col. Ashford's career as soldier-scientist has been full of drama as well as distinction. With the assistance of Mrs. Elizabeth Kneiple Van Deusen, he has written a vivid account of that career. Here is one of the few autobiographies that will be read through to the end.

Science News Letter, August 11, 1934

Chemistry

ELEMENTARY QUALITATIVE ANALYSIS—F. M. Brewer—*Oxford University Press*, 228 p. \$2. British text that attempts to avoid the classical approach

to the subject by way of the historical accidents which have built it up into the maze it often seems. The attempt succeeds in two ways. First, besides giving the usual tests, the author tells *why* the procedure used is adopted. Second, he shows how the reactions employed furnish a comparative study of the elements particularly with reference to the periodic table.

Science News Letter, August 11, 1934

General Science

MIND AND NATURE—Hermann Weyl—*University of Pennsylvania Press*, 100 p., \$1.50. Reprint of five lectures delivered at Swarthmore College in 1933 dealing with the way man studies natural phenomena by the mathematical and physical method of approach. Touching sense perception, consciousness, relativity and quantum physics the reader, unless he has a wide background, may be in for trouble.

Science News Letter, August 11, 1934

Chemistry

ARSENICAL AND ARGENTIFEROUS COPPER—J. L. Gregg—*Chemical Catalog*, 189 p., \$4.00. Another of the readable American Chemical Society monographs with chapters on the history, production, properties and uses of arsenic and silver-contaminated copper.

Science News Letter, August 11, 1934

Patent Law

THE PROTECTION BY PATENTS OF SCIENTIFIC DISCOVERIES—Committee on Patents, Copyrights and Trademarks, American Association for the Advancement of Science—*Science Press*, 40 p., 50c.

Science News Letter, August 11, 1934

Library Science

BOOKLIST BOOKS, 1933—*American Library Association*, 58 p., 65c. Each week the A. L. A. sends out lists of new books to librarians throughout the country, for checking. The best and most valuable books of the year's "crop" are selected, annotated, grouped under subject, and published annually by the Booklist staff of the A. L. A. The publication is valuable to libraries and schools of course; almost invaluable to readers situated far from libraries, who must select books "sight unseen."

Science News Letter, August 11, 1934

Chemistry

LES PHÉNOMÈNES PÉRIODIQUES DE LA CHIMIE: II—LES PERIODICITES CINÉTIQUES—Suzanne Veil—*Hermann et Cie., Paris*, 31 p., 10 francs.

Science News Letter, August 11, 1934

Chemistry

LE PROBLÈME DE LA CONSTITUTION DE L'AMIDON—R. Sutra—*Hermann et Cie., Paris*, 40 p., 10 francs.

Science News Letter, August 11, 1934

VITALISM and MECHANISM A DISCUSSION

between

HERBERT V. NEAL
Professor of Zoology, Tufts College
and
JAMES F. PORTER

Being a survey of these opposing theories from the point of view of a scientist and a layman.

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● First Glances at New Books

Geophysics

EARTH, RADIO AND THE STARS—Harlan True Stetson—*Whittlesey House*, 336 p., \$3.00. The first book on what may become a new division of science coordinating astronomy, geology and radio engineering into a study of the earth and its cosmic surroundings.

Much original research material of Professor Stetson on tides in the earth and the effects on radio transmission attributed to the moon and sun are included. This should not frighten away the lay reader, however, for the pleasing conversational style of the author takes technical details in stride.

Science News Letter, August 11, 1934

Physics

ATOMIC THEORY AND THE DESCRIPTION OF NATURE—Neils Bohr—*Macmillan*, 119 p., \$2. The four essays of the Nobel Prize winner on atomic and quantum theory now collected in one compact volume. The first two appeared in *Nature* in 1925 and 1927. The third and fourth, written in 1929, have never been available in English before.

Science News Letter, August 11, 1934

Physics

THE PHENOMENON OF SUPERCONDUCTIVITY—E. F. Burton, ed.—*University of Toronto Press*, 112 p., \$2.50. Direct from one of the best low temperature laboratories in the Western hemisphere comes this monograph on the methods of producing and measuring low temperatures with an outline of the basic facts of superconductivity.

Science News Letter, August 11, 1934

Chemistry

ANNUAL SURVEY OF AMERICAN CHEMISTRY—Clarence J. West, ed.—*Chemical Catalog Co.*, 403 p., \$4.50. The progress report of American chemistry for 1933 edited by the director of the information service of The National Research Council.

Science News Letter, August 11, 1934

Chemical Engineering

TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS, VOL. 11, 1933—*Institution of Chemical Engineers (London)*, 227 p.

Science News Letter, August 11, 1934

Medicine

MEDICINE MARCHES ON—Edward Podolsky—*Harper*, 343 p., \$3.50. This book tells in simple terms about the newest things in medicine—the treat-

ment of glandular disorders, psychoanalysis, the radio knife, the fever treatment for paresis, the latest reducing medicine, and the like. To the conservative physician, Dr. Podolsky may seem over-enthusiastic about some of the new healing methods, but his book does give much interesting and apparently reliable information on a wide variety of medical subjects.

Science News Letter, August 11, 1934

Philosophy

VITALISM AND MECHANISM, A DISCUSSION—Herbert V. Neal and James F. Porter—*Pub. by the author*, 87 p., 50 c. A professor of zoology and a businessman of scholarly inclinations splinter a number of lances of good-natured controversy on each other's shields. In the end both ride off, neither admitting defeat, so that the spectator may "go out by that same door where in he went." But he carries with him the memory of having seen some good jousting—and he may possibly be moved to look to his own gear and rub off some of its rust.

Science News Letter, August 11, 1934

Philosophy

LES ÉNONCES SCIENTIFIQUES ET LA RÉALITÉ DU MONDE EXTÉRIEUR—Moritz Schlick—*Hermann et Cie., Paris*, 51 p., 10 fr.

Science News Letter, August 11, 1934

Physical Chemistry

LES COMPOSÉS MICELLAIRES SELON LA NOTION DE COMPLEXITÉ CROISSANTE EN CHIMIE—G. Malfitano et M. Catoire—*Hermann et Cie., Paris*, 33 p., 9 fr.

Science News Letter, August 11, 1934

Physics

TRAITÉ DE CHIMIE PHYSIQUE—J. Duclaux—*Hermann et Cie., Paris*. Introduction: L'Analyse Physico-chimique des Fonctions Vitales, 27 p., 6 fr.; Chap. 1: Étude de l'Eau et des Solutions, Azéotropisme—Démixtion, 76 p., 17 fr.; Chap. 2: Viscosité, 80 p., 18 fr.; Chap. 3: Rigidité Thixotropie Coacervation, 38 p., 10 fr.; Chap. 4: Capillarité, 57 p., 12 fr.; Chap. 5: Suspensions Émulsions, 40 p., 12 fr.

Science News Letter, August 11, 1934

Industrial Medicine

THE PNEUMONOKONIOSES (SILICOSIS) BIBLIOGRAPHY AND LAWS—George G. Davis, Ella M. Salmonsens and Joseph L. Earlywine—*Industrial Medicine, Inc., Chicago*, 482 p., \$7.50. The references in this book are gathered from the literature of the world, beginning with Agricola's "De Re Metallica" in 1556 and ending with the last published reference in December, 1933. It is planned to issue later volumes annually.

Science News Letter, August 11, 1934

History

THE ROMANCE OF LABRADOR—Sir Wilfred Grenfell—*Macmillan*, 329 p., \$4.00. As vivid and alluring as the beautiful photographs which illustrate the book is the word picture Sir Wilfred has painted of the land he has served so long and well. Even the most casual glimpse at the pages of this book makes the reader lose his feeling that Labrador is just a spot on the map, a frozen waste.

Science News Letter, August 11, 1934

Medicine

THAT HEART OF YOURS—S. Calvin Smith—*Lippincott*, 212 p., \$2. Both the person who has heart trouble and the person who thinks he has it will find help and encouragement of a very practical nature in this book. A number of illustrations assist in explaining the structure of the heart, its relation to other organs, its action and some of the things that may disturb its action.

Science News Letter, August 11, 1934

Physics

THÉORIE DE LA CONNAISSANCE ET PHYSIQUE MODERNE—Philipp Frank—*Hermann et Cie., Paris*, 53 p., 10 fr.

Science News Letter, August 11, 1934

Spelling

SPELLING FOR TRADE AND TECHNICAL STUDENTS—John T. Shuman—*Christopher Publishing House*, 133 p., \$1.25. A spelling textbook written by a high school instructor who is anxious that students heading toward technical or trade vocations will know how to spell words specific to those fields.

Science News Letter, August 11, 1934

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