

•First Glances at New Books

General Science

THE FRUSTRATION OF SCIENCE—Sir Daniel Hall, J. G. Crowther and others—*Norton*, 144 p., \$2. A stirring, fighting survey of what Prof. Frederick Soddy in his foreword calls "the inversion of science," urging the public to "insist on being ruled not by the reflection of a reflection, but direct by those who are concerned with the creation of its wealth rather than by its debts." Agriculture, aviation, industry, medicine, the invention of sterility, bacterial warfare and science's frustration are treated by British men of science who may feel more strongly than we of the United States because of their proximity to the smoldering unrest of Europe.

Science News Letter, April 20, 1935

Psychology

PSYCHOLOGY AND LIFE—Leslie D. Weatherhead—*Abingdon Press*, 280 p., \$2. A British clergyman writes on psychology from a practical viewpoint.

Science News Letter, April 20, 1935

Anthropology

AN INTRODUCTION TO THE ANTHROPOLOGY OF THE NEAR EAST IN ANCIENT AND RECENT TIMES—C. U. Ariens Kappers—*Van Riemsdyck' Bookservice*—200 p., \$9.00. From measurement of living heads and long-buried skulls, Dr. Kappers evolves anthropological charts,

and from these, derives evidence on racial identities of Near Eastern groups. Phoenicians and Palmyrenes for example, are found closely related, and their living relatives are among Beduins of Northern Arabia. The analysis is based on the length-breadth index. Studies of skulls from Ur, Damghan, Mohenjodaro and other famous sites are of particular interest in their significance for tracing origins and early migrations. A chapter on blood groups of the Near Eastern people, by Dr. Leland W. Parr of Washington, is included.

Science News Letter, April 20, 1935

Technology

TOOLS OF TOMORROW—Jonathan Norton Leonard—*Viking Press*, 108 p., \$3. Highly pertinent comment on the future of applied science, with special attention to energy, machines, metals, invention, transportation and communication. His remarks on railroads and airplanes will interest those who travel. If those in political control could read the final chapter "The Price of the Future" it might do some good.

Science News Letter, April 20, 1935

Language

FRENCH PRONUNCIATION—Mme. Jeanne S. Marie—*Plank Printing Co., Philadelphia*, 70 p., 75c. A new-angle approach to the problem of French pronunciation, always difficult and baffling to the novice with a stiff English-speaking tongue. Looks as if it would work.

Science News Letter, April 20, 1935

Meteorology

DAYLIGHT, TWILIGHT, DARKNESS AND TIME—Lucia Harrison—*Silver, Burdett and Co.*, 216 p., \$1.24. The intricacies of keeping up with time and handling the calendar in various parts of the world are explained by text, examples and illustrations. Longitude and latitude are considered in their relation to human affairs, with plentiful quotations from the chronicles of geography and exploration. Although intended for school use, many prospective travelers might read it with profit.

Science News Letter, April 20, 1935

Psychology

THE PSYCHOLOGY OF WANTS, INTERESTS AND ATTITUDES—Edward L. Thorndike—*Appleton-Century*, 301 p., \$3.50. A comprehensive study of those mainsprings of behavior which will interest and have great value for those concerned with government and social problems as well as those entrusted with the instruction of the young.

Science News Letter, April 20, 1935

Archaeology

SUMATRA, ITS HISTORY AND PEOPLE—Edwin M. Loeb; **THE ARCHAEOLOGY AND ART OF SUMATRA**—Robert Heine-Geldern—*Van Riemsdyck' Bookservice*, 350 p., \$6.00. Explaining the reason for this book, Dr. Loeb points out that the only previous work in English on Sumatran culture is that by Marsden, published in 1783; and the technique of observing a people has advanced notably since. The ethnology of Sumatra, as discussed by Dr. Loeb, is interesting as well as scientifically important. A single chapter suffices to tell what has been learned about the archaeology, but hope is expressed for further field work on this island which must have been a stopping-off place for primitive man moving from Asia to Australia and the South Seas.

Science News Letter, April 20, 1935

Chemistry

THE ALIPHATIC FREE RADICALS—F. O. Rice and K. K. Rice—*Johns Hopkins*, 204 p., \$4.50. For over a hundred years there has been chemical controversy over the question whether free radicals exist. Dr. F. A. Paneth who writes an introduction to this monograph discovered the free methyl radical in 1929 and the preparation and properties of those aliphatic free radicals that have been discovered and studied are described.

Science News Letter, April 20, 1935

Psychology

PRINCIPLES OF ADOLESCENT PSYCHOLOGY—Edmund S. Conklin—*Holt*, 437 p., \$3. Written to aid in solving the problems of parent, dean, teacher, physician, pastor and social worker.

Science News Letter, April 20, 1935

An Introduction to the Anthropology of the Near East in Ancient and Recent Times

by C. U. Ariens Kappers and Leland W. Parr, \$9.00

SUMATRA

Its history and people, by Edwin M. Loeb

THE ARCHAEOLOGY AND ART OF SUMATRA

by Robert Heine-Geldern both in one volume, \$6.00

THE RACES OF JAVA

by Dr. D. J. H. Nyessen, \$3.00

FRUITS AND FRUITCULTURE IN THE DUTCH EAST INDIES

by J. J. Ochse, \$10.00

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Aeronautics

OUR WINGS GROW FASTER—Grover Loening — *Doubleday, Doran*, 203 p., \$3.75. A highly satisfactory "Only Yesterday" history of aviation as seen through the eyes and memory of one of America's air pioneers and aeronautical engineers. Replete with illustrations, it is extremely readable.

Science News Letter, April 20, 1935

Dictionaries

A GERMAN-ENGLISH DICTIONARY FOR CHEMISTS; 2nd ed.—Austin M. Patterson—*Wiley*, 411 p., \$3. Since the last preceding edition of this book, in 1924, much new chemistry has flowed out of the flasks, with corresponding changes in the chemical vocabulary. For this reason, chemists and chemical engineers will be glad to get the new edition of this popular and handy-sized dictionary.

Science News Letter, April 20, 1935

Psychology

ELEMENTARY EXPERIMENTS IN PSYCHOLOGY—Carl E. Seashore and Robert H. Seashore—*Holt*, 219 p., \$1.35. The authors explain that this is not a laboratory manual, but a manual of experiments that the student should perform before he enters the laboratory. They are designed so that they can be performed without special apparatus, and are of such interest that anyone not well versed in this field would have great fun with them.

Science News Letter, April 20, 1935

Mineralogy

TESTING PRECIOUS METALS—C. M. Hoke—*Jewelers Technical Advice Co., New York*, 60 p., \$1. Second edition, revised and enlarged.

Science News Letter, April 20, 1935

Psychology and Life

By Leslie D. Weatherhead

■ "If you are interested in securing unusual knowledge of the mind and of the best in psychological thought through the means of one good book, do not fail to read *Psychology and Life*."—*Christian Century*.

■ "One of the best books on practical psychology which we have found for a long time."—*Psychology*.

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AT THE BETTER BOOKSHOPS

THE ABINGDON PRESS

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Ballistics

THE IDENTIFICATION OF FIREARMS FROM AMMUNITION FIRED THEREIN WITH AN ANALYSIS OF LEGAL AUTHORITIES—Jack Disbrow Gunther and Charles O. Gunther—*Wiley*, 342 p., \$4. One of the first text and reference books on this subject of growing importance. One of the authors is a member of the bar and the other an engineer who has specialized in this new field. The book is well illustrated.

Science News Letter, April 20, 1935

General Science

MAN'S CONTROL OF HIS ENVIRONMENT—S. R. Powers, Elsie F. Neuner and H. B. Bruner—*Ginn*, 753 p., \$1.60. A textbook for junior high school use, built around the idea of man's making himself at home in the world by turning to his own advantage such natural forces as he can control. A historical thread runs from the domestication of plants to the final raising of questions on the possibility of community betterment through the control of social forces.

Science News Letter, April 20, 1935

Radio

ELEMENTS OF LOUD SPEAKER PRACTICE—N. W. McLachlan—*Oxford U. Press*, 160 p., \$1.75. The purpose is to tell the average person the purpose of a loud speaker, how it works, how it is designed, and the effect of the room in which it is used upon the sound reproduction.

Science News Letter, April 20, 1935

Education—Art

A MANUAL OF DRAWING FOR SCIENCE STUDENTS—Justus F. Mueller—*Farrar and Rinehart*, 122 p., \$1.75. Many other than students of science could study with profit this manual. Huxley is quoted: "I should make it absolutely necessary for everybody, for a longer or shorter period, to learn to draw."

Science News Letter, April 20, 1935

Nature Study

HOLIDAY SHORE—Edith M. Patch and Carroll Lane Fenton—*Macmillan*, 150 p., \$2. The appearance of a new "Holiday" nature-book by Edith Patch is automatically a signal for rejoicing among those who as parents or teachers have on their hands the finding of palatable but sound provender for hungry young minds. Now the general excellence of the series is still further reinforced by the accession of the broad zoological knowledge and the competent artistic talent of Dr. Fenton.

Science News Letter, April 20, 1935

CAMBRIDGE UNIVERSITY PRESS



Orthohydrogen, Parahydrogen and Heavy Hydrogen

By ADALBERT FARKAS. \$3.50.

The first book about heavy hydrogen since its discovery in 1931 by Urey, Brickwedde and Murphy. It describes the preparation, properties, and chemical behaviour of the different kinds of hydrogen and illustrates how investigations connected with the subject have contributed to the solution of chemical problems.

Physical and Dynamical Meteorology

By DAVID BRUNT. \$7.00.

An account of theoretical meteorology dealing fully with such subjects as radiation, turbulence, and Polar Front Methods.

The Problem of Noise

By F. C. BARTLETT. \$1.25.

A new volume in the Cambridge Miscellany. In this very readable book, the author shows that the case against noise, although exaggerated, is based upon scientific fact; he makes suggestions as to what can be done about the problem.

The Structure and Reproduction of the Algae

By F. E. FRITSCH. Volume I. \$8.00.

The first comprehensive account in English of the morphology of the Algae. The treatment is primarily morphological and taxonomic, and biological problems are discussed only when they have a bearing on morphology.

The Theory of Atomic Spectra

By E. U. CONDON and G. H. SHORTLEY.

The authors open with a brief historical introduction in the first chapter, and then develop an exposition of quantum mechanics along the lines laid down by Dirac, in the second. The remaining seventeen chapters are devoted to a unified, logical deduction of the structure of the spectra of atoms from quantum mechanical principles. To be published in June.

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