

FIRST GLANCES AT NEW BOOKS

ŒUVRES DE PASTEUR. TOME V: ETUDES SUR LA BIÈRE—Edited by Pasteur Vallery-Radot — *Masson et Cie.* (120 fr.). This fifth volume of the monumental series, which will when completed gather into one place all the works of Pasteur, sets forth in admirable order the classical researches that established for all time the biological basis of fermentation. Of course, no review in the usual sense is possible, nor would such a near-impertinence be necessary: one needs only record that the new volume is out and that it is worthy of the companionship of the four it will find awaiting it on the shelves of scholars.

Zymology

Science News-Letter, December 22, 1928

THE MARINE FISHES OF PANAMA—Seth E. Meek and Samuel F. Hildebrand—*Field Museum* (\$4.50). Gratifying progress is being made in completing our knowledge of the natural history of the Panama region and in assembling it into convenient volumes for the use of students. The present volume is a very worthy addition to the growing Panama literature.

Ichthyology

Science News-Letter, December 22, 1928

A NATURALIST AT THE SEASHORE—William Crowder—*Century* (\$10). A most sumptuously gotten up book on the strange life to be found on the rocks and in the tide-pools, by one who has devoted years to the companionship of our little brother, the seahorse, and our sister, the starfish.

Zoology

Science News-Letter, December 22, 1928

ABOUT YOUR DOG—R. S. Lemmon—*Stokes* (\$2). Anyone worthy to own a dog realizes at once his responsibility and his relative ignorance—even as with a child, though in appropriately less degree. This compact book gives sound advice, neither sentimental nor hard-boiled. It is the kind of book for a proper man (or woman) who lives with a proper dog.

Zoology

Science News-Letter, December 22, 1928

THE SCIENTIFIC WORLD VIEW—W. K. Wallace—*Macmillan* (\$3). A serious inquiry into the significance of science in the ordering of the social and economic life of the world.

Philosophy of Science

Science News-Letter, December 22, 1928

ANNUAL REPORT OF THE FEDERAL RADIO COMMISSION — *Government Printing Office* (25c). In which are reported the proceedings of the Commission during one of the most important periods of existence. A list of broadcasting stations under the reallocation is one of the many features that will be of interest.

Science News-Letter, December 22, 1928

MOLECULAR REARRANGEMENTS—C. W. Porter—*Chemical Catalog* (\$4). "A rearrangement may be defined as a unimolecular reaction which results in a structural modification of the molecule," says the author. In this book he reviews the more important types of rearrangements, classifies them on the basis of structural similarities and presents the principal theories relating to mechanisms.

Chemistry

Science News-Letter, December 22, 1928

PHOTOCHEMICAL PROCESSES—George B. Kistiakowsky—*Chemical Catalog* (\$5.50). An analysis, from the standpoint of the quantum theory, of those photochemical reactions of which the study has been sufficiently detailed so that some definite conclusions concerning the kinetics of the process can be reached.

Photochemistry

Science News-Letter, December 22, 1928

MECHANOCHEMISTRY AND THE COLLOID MILL—Pierce M. Travis—*Chemical Catalog* (\$4). A book on the elementary principles of the new science of mechanical dispersion, involving the principles of physical chemistry, which the author calls "mechanochemistry" because it involves dispersion or deflocculation by mechanical means rather than by chemical.

Physical Chemistry

Science News-Letter, December 22, 1928

PLAY AREAS—Playground and Recreation Association of America—*A. S. Barnes* (\$2). The design, equipment and beautification of playgrounds planned for various conditions and uses is described in this book. Emphasis is placed on playgrounds of small cities which perhaps need the assistance of such a volume most. Directions for making numerous types of homemade equipment are included. Photographs, plans and diagrams add to the practical usefulness of the book.

Sociology—Education

Science News-Letter, December 22, 1928

FUNDAMENTALS OF OBJECTIVE PSYCHOLOGY—John Frederick Dashiell—*Houghton Mifflin* (\$3). A beginner's text for university use. Stress is laid upon physiological psychology that lends itself to demonstration and measurement, but introspection is not entirely barred. Attractive features are the exceptionally good collection of illustrations, charts and diagrams, and the frequent use of up-to-date experimental and research work to illustrate the author's points.

Psychology

Science News-Letter, December 22, 1928

INDIVIDUALITY AND EDUCATION—Joseph A. Leighton—*Appleton* (\$2). Shortcomings of mass education in America are discussed. The remedy proposed is education of the individual, with the aim of building personalities effective in their social order. This is no plea for self-expression without inhibitions. The effectively educated person herein described would know, for example, how to make better use of leisure time than the present generation of adults. He would have a keener sense of social obligation, and an ethical philosophy of life.

Education

Science News-Letter, December 22, 1928

DIRECTORY OF PSYCHIATRIC CLINICS FOR CHILDREN IN THE UNITED STATES—*Commonwealth Fund* (75c). The second edition of this useful reference pamphlet. Not only are the clinics and their street addresses listed, but a brief paragraph gives the name of the director, the type of workers on the staff, the directing agency, and the scope of the service rendered.

Psychiatry

Science News-Letter, December 22, 1928

PERSONAL HYGIENE—A. Gertrude Jacob—*Christopher Publishing House* (\$2). The old physiology textbook appears here in a candy coating. The book starts with a daily routine of rising, bathing, dressing, etc., for high school children. Discussion of each step in the routine gives the hygiene and physiology lesson. It is doubtful whether a high school textbook is the place for advocating a regime of fasting followed by an exclusive fruit diet. Otherwise the hygienic advice given is sound.

Hygiene

Science News-Letter, December 22, 1928

First Glances at New Books—Continued

COMMERCIAL AND GOVERNMENT RADIO STATIONS OF THE UNITED STATES—Radio Division, U. S. Dept. of Commerce—*Government Printing Office* (15c.). A complete list of American radio stations, both on shore and ship, with owners, hours and wavelengths, correct to June 30, 1928.

Radio

Science News-Letter, December 22, 1928

ELECTRICAL ENGINEERING LABORATORY PRACTICE—Oskar E. Edison and Ferris W. Norris—*Ginn* (\$2.80). A book intended to aid students in their electrical engineering power laboratory instruction. Both direct-current and alternating-current experiments are included.

Electrical Engineering

Science News-Letter, December 22, 1928

HEAVISIDE'S ELECTRICAL CIRCUIT THEORY—Louis Cohen—*McGraw-Hill* (\$2.50). An excellent summary of that part of Heaviside's mathematical analysis which bears on the theory of the electrical circuit.

Electrical Engineering

Science News-Letter, December 22, 1928

ELECTRIC LINES AND NETS—A. E. Kennelly—*McGraw-Hill* (\$5). A revised edition of the author's earlier "Artificial Electric Lines," now enlarged by the addition of much material by reason of the development in recent years of the theory of general alternating-current networks.

Electrical Engineering

Science News-Letter, December 22, 1928

INTRODUCTION TO THE MATHEMATICS OF STATISTICS—Robert Wilbur Burgess—*Houghton, Mifflin* (\$2.50). A general but elementary outline of the best methods of statistical analysis, with an explanation and discussion of these methods.

Mathematics

Science News-Letter, December 22, 1928

EMERGENT EVOLUTION AND THE DEVELOPMENT OF SOCIETIES—William Morton Wheeler—*W. W. Norton and Co.* (\$1). The author offers his theory of emergent evolution as a meeting ground for the advocates of materialism and spiritualism and particularly for those who cannot quite go the whole way into either camp. The book may help those whose philosophy has been upset by scientific developments.

Sociology

Science News-Letter, December 22, 1928

IN SEARCH OF OUR ANCESTORS—Mary E. Boyle—*Little, Brown* (\$3.50). The novel method is used of starting with our comparatively recent Iron Age ancestors and working backward to Stone Age men and finally, briefly, to the geologic stages that set the scene for man's appearance. A great deal of information is presented regarding the famous discoveries of prehistoric men in Europe, and the illustrations are well selected to enable the reader to visualize the evidence. The preface by the Abbé Breuil philosophizes attractively on evolutionary vistas and the educational value of understanding the evolutionary principle.

Anthropology

Science News-Letter, December 22, 1928

APPLETON'S MODERN ATLAS—George Philip and W. R. McConnell—*Appleton* (\$4). A complete and well-prepared atlas that will be a welcome addition to any home library, even though it is intended primarily, say the authors, for use in the classroom or by the student in lesson preparation.

Geography

Science News-Letter, December 22, 1928

FAMILY LIFE TODAY—Edited by Margaret E. Rich—*Houghton, Mifflin* (\$2.50). This book is a collection of the "papers presented at a conference in celebration of the fifteenth anniversary of family social work in America." The contributors include Karl de Schweinitz, Herbert Jennings, William F. Ogburn, Ernest R. Groves, Dorothy Canfield Fisher, Mary E. Richmond, Mrs. John M. Glenn and other scientists, ministers and social workers who are authorities in the field. The book provides an interesting discussion of this modern problem. It should please both social workers and persons who are individually responsible for families and who have a realization of such responsibility.

Sociology

Science News-Letter, December 22, 1928

OUR SLUMBERING WORLD—Edmund Noble—*Holt* (\$2.50). A journalist-philosopher sets out to awaken his readers to the significance of present-day happenings and viewpoints. Such matters as our standardized minds, poverty and wealth, and how we treat each other are discussed simply and effectively.

Philosophy

Science News-Letter, December 22, 1928

THE MASHONA—Charles Bullock—*Juta and Co., Ltd., Cape Town* (12s. 6d.). The author of this intensive study of a very unusual tribe in Southern Rhodesia is the "native commissioner and examiner in native customs and administration". His findings on the beliefs, fears, social customs, and historic background of these people are based on his personal observations, which, he says, do not always coincide with the "conclusions and theories of ethnographers of world-wide reputation." These authorities, he believes, have at times been led to draw conclusions from reports of inexact observers because the reports fitted in with preconceived ideas.

Ethnology

Science News-Letter, December 22, 1928

TAKING THE NAME OF SCIENCE IN VAIN—H. J. Bridges—*Macmillan* (\$2.50). The author wages verbal war on those who, in his estimate, are corrupting the youth of the country by building dogmatic systems on premises uncertainly afforded by science. He has a special grudge for Watson, Darrow and Mencken.

Philosophy

Science News-Letter, December 22, 1928

TRAILS OF THE HUNTED—J. L. Clark—*Little, Brown* (\$4). The ways of big game in Africa, Asia and America, by one who has known them long and at first hand. The book is excellently printed and beautifully illustrated.

Zoology

Science News-Letter, December 22, 1928

OUR GREAT OUTDOORS: MAMMALS—C. W. G. Eifrig—*Rand McNally* (\$1.25). For the student of nature, whether in school or on his own, this book will be a very useful one. The author shows his animals as really alive.

Zoology

Science News-Letter, December 22, 1928

TRANSCENDENT EVOLUTION—O. F. Broman—*Stratford* (\$2). This addition to the literature of "reconciliation" was written, the author states, originally for the benefit of his children, and is now given publication for the benefit of "those who have lost or may be in the process of losing, through the influence of modern agnostic tendencies . . . their belief in the religion of their fathers, and who may feel the need of some basic form of reasoning having a tendency to re-establish faith in Religion and in the Sacred Writings as contained in the Bible."

Evolution—Religion

Science News-Letter, December 22, 1928