

● First Glances at New Books

Additional Reviews
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Astronomy

THROUGH SPACE AND TIME—Sir James Jeans—*Macmillan*, 224 p., \$3. Written in even a more popular spirit than *The Universe Around Us* and *The Background of Science* is this latest book by Sir James. Based on his Christmas lectures of 1933 before the Royal Institution, the material is "adapted for juvenile auditory" as the lectures advertise each year. Knowing the audience is, in reality, one which varies from eight to eighty, Sir James presented his topics accordingly. In space the book goes from the center of the earth to the distant nebulae, with stops at the atmosphere, the stratosphere, the sun, planets and stars. In time it goes from the creation of the earth a billion and a half years ago up to the present.

Science News Letter, December 8, 1934

Agriculture

WORLD WHEAT SURVEY AND OUTLOOK, SEPTEMBER 1934—Food Research Institute—*Stanford University*, 38 p., 50c.

Science News Letter, December 8, 1934

Child Training

TRAINING THE ADOLESCENT—Raphael C. McCarthy—*Bruce Pub. Co.*, 298 p., \$2. Intended as a textbook for Catholic colleges. The author in his introduction says: "The reader will find frequent mention of the soul, the free will, and other realities that are either held in slight repute among the majority of present-day psychologists, or are conceived in a radically different sense from that in which we employ them. I make no apologies for them."

Science News Letter, December 8, 1934

Physiology

AN INTRODUCTION TO HUMAN PHYSIOLOGY—Lathan A. Crandall—*Saunders*, 325 p., \$2. Developed from a lecture course given to student nurses, this book is designed as a text for students who have completed their preparation for college. The subject is very fully covered in this small volume and is presented clearly and simply with an emphasis on the practical aspects and

on the medical applications of modern discoveries in physiology. It seems an excellent text for an introductory course for college students. Adults lacking the opportunity of college training but wishing to learn for themselves the "phenomena of life and the functions of living things" might also find this book worth studying, though it lacks, of course, the complete simplification and sugar-coating of a popular book on the human body.

Science News Letter, December 8, 1934

Bibliography

GOOD READING—Ed. by Atwood H. Townsend—*National Council of Teachers of English*, 72 p., single copies 15c.; 10 or more, 10c. each. A reading list of nine hundred significant books, prepared originally for college students, but useful for adult readers anywhere. It is arranged conveniently by subject.

Science News Letter, December 8, 1934

Medicine

MORTALITY AMONG PATIENTS WITH MENTAL DISEASE—Benjamin Malzberg—*State Hospitals Press*, 234 p., \$1.50. Statistics on mental disease gathered during the past 25 years by the New York State Department of Mental Hygiene were drawn upon for this analytical study. Mortality among patients with mental disease is compared with mortality in the general population of New York State. The findings will be of considerable interest to physicians specializing in the treatment of mental disease and also students of public health problems.

Science News Letter, December 8, 1934

Hygiene

HEALTH WORKBOOK FOR COLLEGE FRESHMEN—Kathleen Wilkinson Wootten—*A. S. Barnes*, 220 p., \$1.50. This is not a textbook but a combination of study course outline and notebook for the student's use and guidance in what would be an extensive course in personal hygiene and public health. Numerous references are given, presumably to supplement the information to be given in lectures.

Science News Letter, December 8, 1934

Astronomy

THE UNIVERSE AROUND US (3d ed., rev.)—Sir James Jeans—*Macmillan*, 380 p., \$4. As Sir James points out in his preface, much has happened in the three years which have passed since the second edition of this non-fiction best seller. Whole new worlds at both the microscopic and macroscopic ends of the scale of size have been discovered. There are new and bigger nebulae for the astronomer to puzzle over just as there are the neutron and positron for the atomic physicist. The new edition, rewritten in many places, tells most of the major discoveries. The only exception is the heavy hydrogen isotope and its oxide, heavy water. Since a Nobel Prize has been awarded for this discovery one can imagine that Sir James regrets the omission as much as the reader will regret not reading what Sir James thinks about it.

Science News Letter, December 8, 1934

Education

THE DEVELOPMENT OF MODERN EDUCATION—Frederick Eby and Charles F. Arrowood—*Prentice-Hall*, 922 p., \$3.50. A textbook on the history of education intended by the authors for professional training rather than general cultural reading.

Science News Letter, December 8, 1934

Anatomy

HUMAN ANATOMY, DOUBLE DISSECTION METHOD—Dudley J. Morton—*Columbia University Press*, 2 vol., 550 p., \$3.00. An outline of laboratory procedure for medical students.

Science News Letter, December 8, 1934

SCRIPTA MATHEMATICA LIBRARY

Mathematical Books for Non-Mathematicians

Vol. I. *Poetry of Mathematics and Other Essays*, by Professor David Eugene Smith. Contents: *The Poetry of Mathematics*; *The Call of Mathematics*; *Religio Mathematici*; *Thomas Jefferson and Mathematics*; *Gaspard Monge*. Price: In paper binding 50c; in cloth 75c.

In Course of Preparation:

Vol. II. *Mathematics and the Question of Cosmic Mind*, by Professor Cassius Jackson Keyser.
Vol. III. *Fabre and Mathematics*, by Professor Lao Geneva Simons.
Vol. IV. *Modern Problems in the Foundations of Mathematics*, by Professor Adolf Fraenkel.

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Child Care

HEALTHY BABIES ARE HAPPY BABIES—Josephine H. Kenyon—*Little, Brown*, 321 p., \$1.50. This book by an authority on child care should prove a helpful guide to the young mother. It tells her what to expect and what to do for her own and her child's welfare from the time of conception through the child's third year.

Science News Letter, December 8, 1934

Zoology

WONDERS OF ANIMAL LIFE: Animal Life in the British Isles; Animal Life in Africa; Animal Life in the East; Animal Life in the New World; Bird Lands; Animal Friends—F. M. and L. T. Duncan—*Oxford University Press*, 6 vol., each vol. 65c. A series of neatly gotten out nature readers for the lower grades. The very fact that they are of British origin may make their supplementary use in American schools of real advantage; children might well be taught early that there are other points of view beside the local one.

Science News Letter, December 8, 1934

Botany

WONDERS OF PLANT LIFE: The Story of the Plants; Plants and Their Children; Land and Water Plants; Plant Traps and Decoys; Some Curious Plants; Plant Friends and Foes—F. M. and L. T. Duncan—*Oxford University Press*, 6 vol., each vol. 65c. Elementary plant biology, but with such careful selection of principles and such clear exposition that a roomful of school children who master these small books will be turned, without realizing it, into a veritable college of young ecologists and plant physiologists.

Science News Letter, December 8, 1934

Medicine

AMERICAN MEDICINE—Henry E. Sigerist—*Norton*, 316 p., \$4. Here is an entire volume, and a most interesting one, devoted to medical progress in America. Since the subject is never presented so fully and so critically in the usual history of medicine, the patriotic reader will particularly appreciate this book. It is the more interesting because it is written from the European viewpoint, though this is not to say that Dr. Sigerist is unsympathetic or unimpressed by American achievements in medicine. On the contrary, it was his enthusiasm over what he found on his first visit to

America that led him to start this book immediately upon his return to Germany. It was finished after his return to this country to become William H. Welch professor of the history of medicine at Johns Hopkins University. The history of medicine in America is as thrilling as any chapter in American history and, according to Dr. Sigerist, has world-wide significance. He says that the future of medicine will be determined by the United States and Russia. Forward-looking persons will therefore do well to look with him over the past achievements to see what has brought this country to its present position as a medical power.

Science News Letter, December 8, 1934

Entomology

WONDERS OF INSECT LIFE: Butterflies and Moths; Bees, Wasps and Ants; Beetles and Flies; In Pond and Stream; Curious Insects; Spiders and Scorpions—F. M. and L. T. Duncan—*Oxford University Press*, 6 vol., each vol. 65c. Though produced for use in Great Britain, these books treat of so many cosmopolitan genera and species that they will be useful on this side of the ocean as well.

Science News Letter, December 8, 1934

Marine Biology

WONDERS OF THE SEA: Wonders of the Shore; The Lobster and His Relations; The Star Fish and His Relations; Dwellers in the Rock-Pools; Life in the Deep Sea; The Sea Birds—F. M. and L. T. Duncan—*Oxford University Press*, 6 vol., each vol. 65c. These books are published in Britain; but the sea runs round the world, and the animals and plants here told about are cosmopolitan.

Science News Letter, December 8, 1934

Medicine

FIRST AID AFIELD—Paul W. Gartner—*Macmillan*, 115 p., \$1.25. First aid directions for sportsmen, illustrated by photographs taken by the author.

Science News Letter, December 8, 1934

Roentgenology

THE HEART VISIBLE—J. Polevski—*F. A. Davis Co.*, 207 p., 122 illustrations, \$5. How X-ray and fluoroscopic studies of the heart and large blood vessels may be used in the study of the heart and diagnosis of heart disease is presented here. A technical book, for physicians.

Science News Letter, December 8, 1934

Hygiene

COMMUNITY HYGIENE—L. B. Chenoweth and W. R. Morrison—*F. S. Crofts & Co.*, 317 p., \$2.50. A text book designed to teach college students the principles of public health. Leaving details to other more specialized science courses, this book nevertheless covers the subject completely, giving briefly types, causes and methods of preventing communicable diseases, and includes a chapter on public health administration. It might well form the basis of adult study courses outside of colleges.

Science News Letter, December 8, 1934

Education

A DEMONSTRATION OF INDIVIDUALIZED TRAINING METHODS FOR MODERN OFFICE WORKERS—Edward G. Erikson, Isabelle Gilliland, Agnes J. Kean, Gertrude Page and Gertrude L. Hawkins—*University of Minnesota Press*, 62 p., \$1.00. One of the bulletins of the Employment Stabilization Research Institute.

Science News Letter, December 8, 1934

Medicine

REVIEW OF MEDICAL PROGRESS, 1934—George M. Piersol, editor-in-chief—*F. A. Davis Co.*, 1009 p., \$10. Designed to help the busy practicing physician keep abreast of medical progress by compiling for him the important advances reported in the multitude of medical journals. Too technical for the layman, of course.

Science News Letter, December 8, 1934

Medicine

ELECTROPYRIXIA IN GENERAL PARALYSIS—Leland E. Hinsie and Joseph R. Blalock—*State Hospitals Press*, 90 p., \$1.25. This monograph is a review of experience with electrically-induced fever for the treatment of general paralysis.

Science News Letter, December 8, 1934

Pharmacology

THE MATHEMATICS OF DRUGS AND SOLUTIONS—Harly C. Biddle and Disa W. Sitler—*F. A. Davis*, 47 p., \$3 for package of five. This is a workbook designed to supplement textbooks on drugs and solutions for schools of nursing.

Science News Letter, December 8, 1934

Preventive Medicine

ANNUAL REPORT—Rockefeller Foundation, 447 p., free.

Science News Letter, December 8, 1934