

# • First Glances at New Books

See also  
page 424

## Industrial Hygiene

**CARBON MONOXIDE POISONING IN INDUSTRY**—May R. Mayers—*N. Y. State Department of Labor*, 243 p., (Free). The first part of this valuable monograph deals with the disease as a whole; part II takes up the industrial hazard including compensation; part III discusses the medical care of workers exposed to carbon monoxide gas. The appendix gives methods of detecting the gas in the air and blood and a discussion of gas masks and breathing apparatus. There are also several helpful tables and charts and a bibliography. The book is written in a simple, practical way and is illustrated.

*Science News Letter, December 27, 1930*

## Zoology

**AQUATIC MAMMALS**—A. Brazier Howell—*Thomas*, 338 p., \$5. Because of their comparative inaccessibility, aquatic mammals have yielded fewer of their life secrets to man's inquiries. Because of the enormous size of their largest representatives, the whales, relatively little work has been done on their anatomy. Yet these creatures of the sea are among the most interesting that live. Prof. Howell, who has devoted many years to their study, performs a great service to zoology, especially to anatomy, in presenting in this book an epitome of his results to date.

*Science News Letter, December 27, 1930*

## Botany

**STRASBURGER'S TEXT-BOOK OF BOTANY**—*Macmillan*. 818 p., \$9. This classic text, on which a whole generation of botanists whetted their teeth as students, goes through edition after edition, and although it is now surrounded by a whole forest of good general botany books it stands among them like the seed-tree of a grove among its offspring. Of the original group of writers, only Dr. George Karsten is left; the others are Dr. Hans Fitting, Dr. Hermann Sierp and Dr. Richard Harder. The translator is Dr. W. H. Lang. The present text constitutes the sixth English edition, translated from the seventeenth German edition.

*Science News Letter, December 27, 1930*

## Health Education

**HEALTH**—C. E. Turner and Georgie B. Collins—*Heath*, 232 p., 80c. One of the Malden Health Series. The book is based on three years of experimental

studies in the intermediate and higher grades of Malden, Mass. Taking a logical step forward from the simple health habit formation of primary days, this text gives a clear, simple reason for each habit with plenty of illustrative stories. There is a pleasing freshness and originality in the treatment which will be appreciated by the teacher, if not by the pupil.

*Science News Letter, December 27, 1930*

## Pharmacology—Medicine

**LANE LECTURES ON EXPERIMENTAL PHARMACOLOGY AND MEDICINE**—Rudolf Magnus—*Stanford University Press*, 108 p., \$1. Dr. Magnus' untimely death prevented his giving the Lane Medical Lectures for 1927. However, three of the five planned were written and are here published with a biographical sketch of their eminent author. A picture of Dr. Magnus and list of his works are included as Stanford University's tribute "to the memory of one of her most illustrious Lane Lecturers." The first two lectures, "The Experimental Pathology of the Lungs," and "Choline as an Intestinal Hormone" will be of interest chiefly to physicians and medical and pharmacological investigators, because of their technical nature. The third lecture, "The Physiological 'A Priori,'" has a wider appeal and is sufficiently non-technical to be read by investigators in other fields of science or even by the intelligent layman.

*Science News Letter, December 27, 1930*

## Nature Study

**TRAILSIDE CONVERSATIONS**—W. H. Carr—*American Museum*, 36 p., 15c. The nature study trail, initiated some years ago by Dr. Frank Lutz, has grown up into the trailside museum in a great number of state and national parks. The booklet now in hand tells how the visitors at such little nature shrines in the Bear Mountain park near New York City seek information and how it is given to them.

*Science News Letter, December 27, 1930*

## Physics

**EVERYDAY PHYSICS**—Carleton John Lynde—*Macmillan*, 577 p., \$1.80. In this new high school physics text the author, who is professor of physics at Teachers College, Columbia University, emphasizes the application of physics in household and other familiar appliances.

*Science News Letter, December 27, 1930*

## Physics

**A MANUAL OF EXPERIMENTS**—Robert Andrews Millikan, Henry Gordon Gale and Charles William Edwards—*Ginn*, 221 p., \$1. "A First Course in Physics," by the same authors, is a high school physics text that has enjoyed a wide popularity because of the authority of their names, and the sound way in which it is written. This is a laboratory manual to accompany it, and in every way it keeps up to the high standards of the text. In each experiment several possible procedures are provided, in order to accommodate it to the various length of periods in different schools. This also enables the teachers to adapt the experiments to students of different abilities, thus keeping the entire class busy for the whole period. Simple equipment is used throughout, the authors suggesting, and quite properly, that this is often pedagogically superior to more elaborate equipment.

*Science News Letter, December 27, 1930*

## Vital Statistics

**MEDICAL BIOMETRY AND STATISTICS**—Raymond Pearl—*Saunders*, 459 p., \$5.50. The second revised edition has been rewritten to a considerable extent and numerous additions have been made to bring it up to date. The author states that the changes are intended to make the book better adapted to classroom teaching. The emphasis in this, as in the first edition, is on the medical rather than the mathematical view, since the book is written for students of biology and medicine. A chapter on the logistic curve is included in this edition.

*Science News Letter, December 27, 1930*

## Chemical Engineering

**TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS**—*The Institution of Chemical Engineers (London)*, 218 p. This volume (No. 7) of the Transactions of this important British organization contains a record of the lectures and addresses presented during 1929. A wide variety of chemical engineering topics is covered.

*Science News Letter, December 27, 1930*

## Aeronautics

**AVIATION AND LIFE INSURANCE**—Capt. Ray A. Dunn—*Daniel Guggenheim Fund*—112 p. If you fly, this pamphlet will give you some insight into the insurance protection that you can obtain.

*Science News Letter, December 27, 1930*

# • First Glances at New Books

See also  
page 423

## Soil Science—History

**SOIL: ITS INFLUENCE ON THE HISTORY OF THE UNITED STATES**—Archer Butler Hulbert—*Yale University Press*, 227 p., \$2.50. Vigorously and interestingly written, approaching the subject of American history from an entirely new angle, this book will give the reader fresh insights into many corners of our national story that the conventional historical approach leaves in shadow.

*Science News Letter, December 27, 1930*

## General Science

**THE WORLD ABOUT US**—Wm. Dean Pulvermacher & Charles H. Vosburgh—*Heath*, 382 p., \$1.60. Here is the latest addition to the already large family of general science texts for junior high school grades. The essential parts of physics, chemistry, biology, etc., are adequately covered, and by the use of the second person throughout an attempt is made to approach closer to the student. No doubt the authors felt that the average high school student seldom, if ever, makes use of an index in a textbook, but that hardly seems sufficient excuse for omitting it entirely. The book should have one, both for the benefit it will be to the exceptional student, and to encourage the others to make use of such aids.

*Science News Letter, December 27, 1930*

## Zoology—Classic Literature

**BIRDS AND BEASTS OF THE GREEK ANTHOLOGY**—Norman Douglas—*Cape and Smith*, 218 p., \$3. The author has made a very happy and romantic marriage of wide erudition with a discursive and casual style. The result is a pleasant book for the general reader and a very useful book for the teacher, whether of science or literature.

*Science News Letter, December 27, 1930*

## Physics

**WORK-TEST BOOK IN PHYSICS**—A. W. Hurd—*Macmillan*, 148 p., 64 c. Dr. Hurd, of the Institute of School Experimentation at Teachers' College, Columbia University, has here produced a laboratory manual in high-school physics that deserves to find extensive use. The author, with the background of years of actual teaching experience as well as research, has not attempted to cover all the ground of conventional physics. Instead he has concentrated on certain topics relating to the student's environment and of particular interest

to him, such as the automobile, photography, electric lighting, refrigeration, etc. In addition to the experiments, a number of tests, as well as lists of projects, are given.

*Science News Letter, December 27, 1930*

## Health Education

**HEALTH AND HAPPINESS**—Jesse Feiring Williams and Theresa Dansdill—*Sanborn*, 106 p., 64c. One of the Wholesome Living Series. An unusually attractive book for teaching health to small children. It will surely appeal to its youthful public, and is equally well adapted to reading aloud to very small tots and to study in primary grades. It has many delightful illustrations and a charming style, free from the tiresome "preaching" found in so many of these health education texts.

*Science News Letter, December 27, 1930*

## Physiological Chemistry

**THE DEVELOPMENT OF PHYSIOLOGICAL CHEMISTRY IN THE UNITED STATES**—Russell H. Chittenden—*Chemical Catalogue Co.*—427 p. \$6. One of the American Chemical Society monographs. The book describes briefly actual experimental accomplishments in the field in this country during the last 50 years. As a background the author describes the position of physiological chemistry and physiology in this country and abroad 50 years ago. There is no criticism of either the work or the workers mentioned in the book. The presentation is entirely expository. Institutions where the subject gained a foothold are also mentioned. Because of space limitations, some work had to be omitted but the outstanding contributions of America in this science seem all to have been included. The book will be valuable for reference as well as interesting for reading as a historical review.

*Science News Letter, December 27, 1930*

## Botany

**ELEMENTS OF PLANT SCIENCE**—C. J. Chamberlain—*McGraw-Hill*, 394 p., \$1.90. One of America's veteran botanists, recently retired after a lifetime of teaching, here gives other teachers the benefit of his long experience and wide knowledge. One very commendable feature about this book is that the first half of it, covering enough ground for a semester's work, is so arranged that it can be taught without microscopes.

*Science News Letter, December 27, 1930*

## Medical Risibility

**DOCTORS. AND SPECIALISTS; A MEDICAL REVUE WITH A PROLOGUE AND A GOOD MANY SCENES**—Morris Fishbein—*Bobbs-Merrill*, 111 p. \$1. This book is just a big laugh from start to finish, in which patients, relatives and medical men themselves will join. Unlike most humorous books, it has the virtue of ending before it stops being funny. Illustrations by Dan Layman are no small part of the fun.

*Science News Letter, December 27, 1930*

## Botany—Horticulture

**THE HOME GARDENER'S PRONOUNCING DICTIONARY**—Alfred Carl Hottes—*Meredith Publ. Co.*, 88 p., 50c. How do you pronounce *Amelanchier*, *Fritillaria*, *Leucothoe*? What is a cyme, a spathe, a drupe? If you have a little garden of your own, you probably deal in all these and a lot more. And unless you are a trained botanist, you probably have a struggle with a terminology you feel you ought to know and haven't quite mastered. This little reference book has the essentials of a whole course of horticultural botany packed into its slender compass, giving common and scientific names, with pronunciations, of all the plants most used in gardens, and adding a few beautifully clear plates illustrating the commoner taxonomic terms.

*Science News Letter, December 27, 1930*

## Chemistry

**A LABORATORY WORKBOOK**—William McPherson, William Edwards Henderson and George Winegar Fowler—*Ginn*, 316 p., 75c. The authors of a widely used chemistry text, "Chemistry for Today," have here produced an excellent laboratory manual to accompany it.

*Science News Letter, December 27, 1930*

## Physics

**A SURVEY OF PHYSICS FOR COLLEGE STUDENTS**—Frederick A. Saunders—*Holt*, 635 p., \$3.75. An excellent college physics text by the professor of physics at Harvard.

*Science News Letter, December 27, 1930*

## Nature Study

**MY ANIMAL GUESTS**—Ernest Harold Baynes—*Macmillan*, 125 p., \$1.75. A record of the author's friendship with a deer, with a family of skunks, with a timber wolf, fascinatingly written and beautifully illustrated.

*Science News Letter, December 27, 1930*