

• First Glances at New Books

Additional Reviews
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Aviation

THE AIRCRAFT YEARBOOK FOR 1933—Aeronautical Chamber of Commerce of America—*Van Nostrand*, 506 p., \$6. A comprehensive annual survey of aviation progress now in its fifteenth volume. There is a chronology for the year, a compilation of flying facts and figures, seventeen chapters under the general title "The Year in the Air," and three chapters on "Manufacturing and Engineering Progress."

Science News Letter, May 20, 1933

Medicine

AMERICAN RED CROSS FIRST AID TEXT-BOOK—Harold F. Enlows—*Blakiston's*, 237 p., \$1 cloth, 60c paper. The First Aid Service of the American Red Cross, under the direction of Mr. Enlows, has brought up-to-date its valuable text, which was first written by Col. Charles Lynch, Medical Corps, U.S.A., Retired. The edition is featured by many excellent illustrations that will greatly aid in understanding the directions for various procedures.

Science News Letter, May 20, 1933

Engineering

BUILDING SCIENCE—F. L. Barrow—*Longmans*, 235 p., \$1.75. A textbook of British origin intended for students of structural materials in engineering colleges.

Science News Letter, May 20, 1933

Nonsense

SO THIS IS SCIENCE—H. F. Ellis—*Dutton*, 109 p., \$1.75. A straight-faced Englishman takes popular science for a bit of a ride. His technique involves large use of puns and near-malapropisms. Example: "The Stratosphere: Said to be full of balloons hoist with their own Piccard." Illustrations are by Arthur Watt.

Science News Letter, May 20, 1933

Medicine

ALLERGY AND IMMUNITY IN OPHTHALMOLOGY—Alan C. Woods—*Johns Hopkins Press*, 176 p., \$2.25. Foreworded by Dr. William H. Wilmer. This first monograph from the Wilmer Ophthalmological Institute of the Johns Hopkins Hospital and University is said to be the first book published on the subject since 1914. The book will be very helpful to physicians. While the subjects of resistance to disease and idiosyncrasy or hypersensitiveness to pro-

teins, of which hayfever is a common example, are of considerable popular interest, the book is, of course, too technical for lay reading, being written primarily for the physician specializing in diseases of the eyes.

Science News Letter, May 20, 1933

Physics

HEAT—James M. Cork—*John Wiley*, 279 p., \$3. A comprehensive treatment of heat which includes the newer material which resulted from Planck's introduction of the idea of the quantum and also contains the older classical development of the subject.

Science News Letter, May 20, 1933

Astronomy-Geology-Oceanography

THE EARTH, THE SEAS AND THE HEAVENS—*Encyclopaedia Britannica*, 236 p., \$3. By reprinting a selection of articles from the *Encyclopaedia Britannica*, an attractive volume useful for reference or reading has resulted.

Science News Letter, May 20, 1933

REPORT OF A RESEARCH INTO THE ATTITUDES AND HABITS OF RADIO LISTENERS—Clifford Kirkpatrick—*Webb Book Publishing Co.*, 63 p., \$1.50.

Science News Letter, May 20, 1933

Physics-Electricity

THEORY OF THERMIONIC VACUUM TUBES—E. Leon Chaffee—*McGraw-Hill*, 652 p., \$6. A comprehensive theoretical treatment of the fundamentals of thermionic emission and of the vacuum tube, written by the professor of physics at Harvard University.

Science News Letter, May 20, 1933

Engineering

TENTATIVE STANDARD GRAIN SIZE CHARTS FOR CLASSIFICATION OF STEELS—*American Society for Testing Materials*, 25c.

Science News Letter, May 20, 1933

Mathematics

PLANE GEOMETRY—A. M. Welchons and W. R. Krickenberg—*Ginn and Company*, 370 p., \$1.28.

Science News Letter, May 20, 1933

Mathematics

SOLID GEOMETRY—A. M. Welchons and W. R. Krickenberg—*Ginn and Company*, 251 p., \$1.24. New textbooks by Indianapolis high school teachers.

Science News Letter, May 20, 1933

Endocrinology

GIANTS AND DWARFS, A STUDY OF THE ANTERIOR LOBE OF THE HYPOPHYSIS—Palmer Howard Fletcher—*Harvard University Press*, 80 p., \$1.25. This thesis reviews the subject from the early Greek myths of giants to modern investigations of the anterior lobe of the pituitary gland, or hypophysis, and its powerful hormones.

Science News Letter, May 20, 1933

Psychology

THE ADOLESCENT BOY—Winifred V. Richmond—*Farrar and Rinehart*, 233 p., \$2.50. Twelve years of teaching adolescents and 15 years of psychiatric work, observing at first hand what happens when adolescents do not solve their problems and adjust to their environment, make Dr. Richmond peculiarly qualified to advise parents and teachers in this regard. The book is mainly devoted to the normal youth, although deficiencies and abnormalities and the delinquent boy are also discussed.

Science News Letter, May 20, 1933

Chemistry

THE SIGNIFICANCE OF PHOSPHORIC ESTERS IN METABOLISM—Robert Robinson—*New York University Press*, 104 p., \$2. The three lectures on the Christian A. Herter Foundation of New York University delivered by Prof. Robinson in 1931 are presented in this volume with illustrative plates and diagrams. The lectures are too technical for the average lay reader, but students of this important subject who were unable to hear Prof. Robinson's lectures will be glad to read this presentation of his views and investigations.

Science News Letter, May 20, 1933

Chemistry

LABORATORY TECHNIQUE OF ORGANIC CHEMISTRY—J. C. Colbert—*Century*, 341 p., \$2.50. A manual of experiments in organic chemistry intended for use with the author's text "A Shorter Course in Organic Chemistry."

Science News Letter, May 20, 1933

Engineering

PROCEEDINGS OF THE 38TH CONVENTION, 1932-33, Vol. 38—*American Society of Municipal Engineers*, 693 p., \$7.

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Conservation

GAME MANAGEMENT—Aldo Leopold—*Scribner's*, xxi+479 p., \$5. With the increasing interest in sports and outdoor diversions generally arising coincidentally with the necessity for returning marginal lands to non-agricultural forms of production, the subject of game management is very much to the fore. This book will make an excellent *vade-mecum* for landowners who wish to stock part of their holdings with bobwhite, grouse or pheasant, as well as for wardens, rangers and others professionally concerned with the care of wild birds and animals.

Science News Letter, May 20, 1933

Dendrology

THE CULTIVATED CONIFERS IN NORTH AMERICA—Liberty Hyde Bailey—*Macmillan*, 404 p., 48 pl., \$7.50. A book by Liberty Hyde Bailey needs no blurb, especially if it be a book of encyclopedic scope about any group of cultivated plants. It need merely be said that in conciseness and completeness of text and in appropriateness and clearness of illustrations this volume is up to the Bailey standard.

Science News Letter, May 20, 1933

Floriculture

THE FLORIST BUSINESS—E. A. White—*Macmillan*, xiv+426 p., \$4. An intensely practical book, going into all phases of the growing of flowers for the trade, both under glass and out of doors.

Science News Letter, May 20, 1933

Botany

A TEACHING GUIDE TO THE TREES AND SHRUBS OF GREATER NEW YORK—A. H. Graves and Hester M. Rusk—*Brooklyn Botanic Garden*, 76 p., 1 map, 75c. Although intended primarily for instructional use, this little book will doubtless be welcomed by many visitors to and residents in New York who want to know something about the woody plants of the region.

Science News Letter, May 20, 1933

Horticulture

THE FRAGRANT PATH—Louise Beebe Wilder—*Macmillan*, 407 p., \$3. Of recent years man has neglected his nose, and only modern advertising for soaps and mouth-washes is making him scent-conscious again. The present author attacks the same problem from its obverse

and much pleasanter side, by showing how many gardens may be planned to be olfactory as well as optical delights.

Science News Letter, May 20, 1933

Ichthyology

FISHES AND FISHING IN LOUISIANA—J. N. Gowanloch—*Louisiana Dept. of Conservation*, 638 p., 10 pl., 2 maps, 50c. A remarkably complete publication, approaching fish from the points of view of the ichthyologist, the sportsman, and (by no means least) the cook.

Science News Letter, May 20, 1933

Explorations—General Science

EXPLORATIONS AND FIELD WORK OF THE SMITHSONIAN INSTITUTION IN 1932—W. P. True, Editor—*Smithsonian Institution*, 96 p., 98 fig. From "Harvesting fossil sea lilies in the Ohio Valley" to "Recording Seminole Songs in Florida" runs the record of the Smithsonian's year in the field. In twenty-four brief narratives, the field experiences of the past year, and the results attained, are told.

Science News Letter, May 20, 1933

Horticulture

CLIMBING ROSES—G. A. Stevens—*Macmillan*, 220 p., \$2. Discussion of types of climbing roses, with suggestions for their proper handling. There is a long annotated list of recognized named varieties, with many colored and halftone illustrations.

Science News Letter, May 20, 1933

Chemistry

LABORATORY STUDIES IN GENERAL CHEMISTRY—William F. Ehret—*Century*, 309 p., \$1.50. A laboratory guide and book of directions written by the associate professor of chemistry, Washington Square College.

Science News Letter, May 20, 1933

Physics

PROGRESSIVE PROBLEMS IN PHYSICS—Fred R. Miller—*Heath*, 225 p., \$1.32. A completely revised edition of a book of 1370 problems for use in physics courses of high schools and normal schools.

Science News Letter, May 20, 1933

General Information

THE NEW INTERNATIONAL YEAR BOOK, 1932—Edited by Frank H. Vizetelly—*Funk and Wagnalls*, 856 p., \$6.25. This one-volume encyclopedia of the world's progress in 1932 contains articles on such matters of immediate interest as the Century of Progress exposition in Chicago, the agricultural crisis, and the Manchukuo problem.

Science News Letter, May 20, 1933

Anthropology

THE GEOGRAPHIC FACTOR—R. H. Whitbeck and Olive J. Thomas—*Century*, 422 p., \$2.25. An anthropological survey of the world, popularly presented, with special reference to the modifying influences of climate, migration routes, mountain and ocean barriers, and other geographic factors.

Science News Letter, May 20, 1933

Ornithology

MANUAL FOR THE IDENTIFICATION OF THE BIRDS OF MINNESOTA AND THE NEIGHBORING STATES—Thomas S. Roberts—*Univ. of Minn. Press*, xiii+279 p., \$1.50. A well worked out descriptive "key," with line illustrations to help the beginner.

Science News Letter, May 20, 1933

Zoology

INVERTEBRATE ZOOLOGY—Robert W. Hegner—*Macmillan*, 570 p., \$3.75. The generations of students, many of them now teachers in their turn, who cut their zoological eyeteeth on Hegner's textbook of zoology will welcome this new text of invertebrate zoology with the greatest interest.

Science News Letter, May 20, 1933

Engineering-Physics

EXAMPLES IN THE THEORY OF STRUCTURE—J. W. Landon—*Macmillan*, 95 p., \$1.35. A book of problems the solutions of which requires something more than substituting numbers in a formula. While prepared for British conditions instructors of elementary theory of structure classes in American universities should find the work useful when used in connection with their lecture courses.

Science News Letter, May 20, 1933

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