

• First Glances at New Books

Additional Reviews
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Physics

THE RISE OF MODERN PHYSICS (2nd ed.)—Henry Crew—*Williams & Wilkins*, 453 p., \$4. Publication of the second edition of this popular science history book enables Prof. Crew to make some revisions in the chapter on spectroscopy. It should be pointed out that the author uses the word modern in the title as do the historians who employ it to discuss the period just prior to the Renaissance. The volume is the history of how recent physics came about and who did what to bring it to its present state. Don't look for discussions of the positron, neutron and deuteron (deuton) but enjoy the accounts of the now famous work of generations ago which make them possible.

Science News Letter, June 22, 1935

Fish Culture

TROPICAL FISHES AND HOME AQUARIA—Alfred Morgan—*Scribner's*, 270 p., \$2.50. A good treatise on "tropicals," written in terms the beginner can understand, yet complete enough to carry him far into the mysteries of this fascinating hobby, well illustrated with line drawings and halftone plates.

Science News Letter, June 22, 1935

Radio

HOW TO GET BEST SHORT WAVE RECEPTION—M. Harvey Gernsback—*Short Wave Craft*, 72 p., 50c.

Science News Letter, June 22, 1935

General Science

GENERAL SCIENCE—A. B. Regenstein and W. R. Teeters—*Rand McNally*, 674 p., \$1.60. A high school text book in general science which seeks to provide students with a broad background of knowledge.

Science News Letter, June 22, 1935

Technology

REPORT ON SIGNIFICANCE OF TESTS OF CONCRETE AND CONCRETE AGGREGATES—*American Society for Testing Materials*, 123 p., \$1.25.

Science News Letter, June 22, 1935

Biology

THE NATURE HOUR, Fifth Year—Spring, 125 p., 76c; **THE NATURE HOUR, Fifth Year**—Autumn and Winter, 128 p., 76c; **THE NATURE HOUR, Sixth Year**—Spring, 144 p., 80c; **THE NATURE HOUR, Sixth Year**—Autumn and Winter, 143 p., 80c—Lucille Nicol, Samuel M. Levenson and Tereasa Kahn

—*Silver, Burdett*. Well-planned nature readers for the fifth and sixth school years. Interspersed with attractive chapters on flowers, trees, animals, rocks, the sun and the soil are appropriate bits of nature verse.

Science News Letter, June 22, 1935

City Planning

HARVARD CITY PLANNING STUDIES, VIII: BUILDING LINES AND RESERVATIONS FOR FUTURE STREETS—Russell Van Nest Black and Mary Hedges Black—*Harvard Univ. Press*, 245 p., \$3.50. Of interest to those who may exclaim: "Why wasn't this street wider?" The Harvard University School of City Planning in the course of its broad inquiry into the way cities should grow has gathered exhaustive information on adapting 18th and 19th century street systems to 20th century conditions through some method of remodeling and adjusting old street patterns and old street widths with a minimum of destruction and at reasonable cost.

Science News Letter, June 22, 1935

Chemistry

GENERAL CHEMISTRY FOR COLLEGES; 2d Rev. Ed.—Frederick C. Irwin and G. Ray Sherwood—*Edwards Bros.*, 254 p., \$2.50. The authors, who are chemistry professors at Wayne University, admit that there are many excellent chemistry texts on the market but have found, like so many other teachers, that none meet their specific needs. In this book, with a sacrifice in some fields, they have succeeded in creating a text which covers both metals and nonmetals in one semester following one year of high school chemistry.

Science News Letter, June 22, 1935

Physics

THE DILEMMA OF MODERN PHYSICS—Donald Everett Richmond—*Putnam*, 120 p., \$2.00. The "Dilemma" in physics, Prof. Richmond points out, is the new evidence that "there is something wavelike about matter and something particle-like about light." In his book the author presents the experimental background which brings about the "Dilemma." Next comes the way out of the "Dilemma" offered by quantum theory and finally the implications of quantum theory in the realm of physical determinism and causality. A minimum of mathematics and non-technical language are used wherever possible.

Science News Letter, June 22, 1935

Biochemistry

ANNUAL REVIEW OF BIOCHEMISTRY, VOL. IV, 1935—Ed. by James Murray Luck—*Annual Review of Biochemistry, Ltd.*, 639 p., \$5. For research workers in the field of biochemistry, the appearance of the Annual Review is a looked-for event. The present volume lives up to the reputation attained in the past and summarizes the literature up to January 1, 1935. New branches presented for the first time include the biochemistry of malignant diseases, plant hormones and chlorine and its allied compounds.

Science News Letter, June 22, 1935

Science

EXPLORATIONS AND FIELD-WORK OF THE SMITHSONIAN INSTITUTION IN 1934—*Smithsonian Institution*, 88 p., Free. Send 10c for handling charges, if secured through Science Service Book Dept. As usual, Smithsonian explorers finish the year with a bookful of experiences, of both interest and importance. The short accounts include Dr. Abbot's report on sun cycles; Dr. Clark's study of butterflies in Virginia; notes from Dr. Graham's diary during his zoological expedition in China; Dr. Roberts' announcement of finding a campsite of Folsom Man; and Dr. Swanton's progress report on tracing De Soto's famous route.

Science News Letter, June 22, 1935

History

HOW OUR CIVILIZATION BEGAN—Mary G. Kelty—*Ginn & Co.*, 375 p., 88c. A beginners' course in civilization, for children. Stressing the gifts which people of the past have contributed to life as we know it today, the author makes six unit studies of the subject. The account runs from the Old Stone Age to the Middle Ages. The book is full of very good pictures, and there are brief exercises and tests following chapters.

Science News Letter, June 22, 1935

Chemistry

ANNUAL SURVEY OF AMERICAN CHEMISTRY, VOL. IX, 1934—Ed. by Clarence J. West—*Reinhold*, 396 p., \$4.50. Summary, by 29 authors, of the chemical literature in the United States during the last year. As in the past, the present volume covers thousands of references and tells just about everything one will need to know in the current chemical literature.

Science News Letter, June 22, 1935

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General Science

SCIENCE AND THE PUBLIC MIND—Benj. C. Gruenberg—*McGraw-Hill*, 209 p., \$2. A valuable compilation of fact and opinion about the dissemination, diffusion, distribution or popularization (whatever it may be called) of science and the various media used. Resulting from conferences and an inquiry under the American Association for Adult Education aided by a grant from the Carnegie Corporation of New York, there are recommendations for future progress and organization.

Science News Letter, June 22, 1935

Archaeology

VOICES FROM THE SILENT CENTURIES—Harry Rimmer—*Wm. B. Eerdmans*, 117 p., \$1. Archaeological and other evidence pointing to existence of the New Testament as an authentic record, written long before the fourth century A.D., is arrayed here to confound "cohorts of unbelief."

Science News Letter, June 22, 1935

Ichthyology

FISHES AND THEIR WAYS OF LIFE—Louis Roule—*W. W. Norton*, 320 p., \$3.75. A translation by Conrad Elphinstone of a well-liked French work. Although many of the species discussed are strictly Old-World forms, the presence of such chapters of general discussion as "Different Ways of Swimming," and "What Fishes See" make the book very useful as a discussion of the general biology of fishes.

Science News Letter, June 22, 1935

Chemistry

CHEMICAL INDUSTRY'S CONTRIBUTION TO THE NATION—ed. by William Haynes and Edward L. Gordy—*Chemical Industries*, 176 p., paper cover, \$1; cloth binding, \$2. Collection of valuable historical articles tracing the growth of industrial chemistry. Issued in connection with the celebration of the 300th anniversary of the founding of industrial chemistry in America by John Winthrop.

Science News Letter, June 22, 1935

Geography

THE FIORD REGION OF EAST GREENLAND—Louise A. Boyd—*American Geographical Soc.*, 381 p., 14 plates, \$4. An account of one of the world's most interesting regions, hitherto not at all well described. The study has been thorough, the text is well written, and the illustrations

are numerous and of excellent quality both scientifically and pictorially. The plates and folded maps in the accompanying portfolio will be found especially valuable.

Science News Letter, June 22, 1935

Anthropology

THE COMING OF MAN, PRE-MAN AND PREHISTORIC MAN—George Grant MacCurdy—*University Society*, 157 p., \$1 cloth, 60c paper. A new edition of a handbook containing the boiled-down substance of Prof. MacCurdy's well-known two-volume work on "Human Origins." Its usefulness may be indicated by such aids as 59 well chosen illustrations, charts and tables for ready reference, an index with pronunciations, and suggestions for further reading.

Science News Letter, June 22, 1935

Biochemistry

A TEXTBOOK OF BIOCHEMISTRY—Ed. by Benjamin Harrow and Carl P. Sherwin—*Saunders*, 797 p., \$6.00. A comprehensive volume in its field, with thirty authors contributing. Each writer is a specialist in his particular branch of biochemistry. An especially thorough index plus extensive references to the original literature should make this book serve as a model in its field for a long time.

Science News Letter, June 22, 1935

Agriculture-Chemistry

DECLARATION OF DEPENDENCE UPON THE SOIL AND OF THE RIGHT OF SELF-MAINTENANCE—*Dearborn Conference of Agriculture, Industry and Science*, 15c. Copy of the declaration adopted May 7 at Dearborn, Mich., by industrialists, scientists and agriculturists, printed in form suitable for framing.

Science News Letter, June 22, 1935

Ethnology

THE PUEBLO OF SANTO DOMINGO, NEW MEXICO—Leslie A. White—*American Anthropological Association*, 210 p., \$2.25. Life in one of the most conservative Pueblo Indian towns analyzed by an ethnologist.

Science News Letter, June 22, 1935

Geography

GEOGRAPHY OF EUROPE—Raoul Blanchard and Raymond E. Crist—*Henry Holt*, 507 p., \$3.50. The history of a continent is conditioned largely by the places where its peoples find living desirable or at least possible, the routes by which they move in commerce and in war, the barriers that divide and the open gates that unite them. A survey of these and other factors in the life of Europe, past and present, is here presented by an experienced French geographer, well translated into English.

Science News Letter, June 22, 1935

Astronomy

JAUNTS INTO SPACE—R. S. Underwood—*Christopher Publishing House*, 90 p., \$1.25. These "jaunts" are jauntily written, brief, accurate within their scope, and in general calculated to intrigue and entertain as well as instruct readers who would not otherwise "crack a book" on astronomy.

Science News Letter, June 22, 1935

Physics

RADIO PHYSICS COURSE—Alfred A. Ghirardi—*Radio and Technical Publishing Co.*, 972 p., \$4.00. The second edition of a popular book which appeared in part in monthly installments in *Radio News Magazine*. It is intended as an elementary text in electricity with applications on the practical sides of radio, and would be a best seller if radio set construction at home were as popular as it once was.

Science News Letter, June 22, 1935

Psychic Research

PSYCHICS AND MEDIUMS—Gertrude Ogden Tubby—*Marshall Jones Co.*, 168 p., \$2.00. The author, for seventeen years secretary of the American Society for Psychical Research, has recorded verbatim over 4,000 mediumistic seances. From the mass of material thus collected, she treats in this volume such phases of psychic research as the development of individual mediumship, how to conduct a seance for scientific purposes and the significance of "psychic light."

Science News Letter, June 22, 1935

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