

• First Glances at New Books

Geography

THE DISCOVERIES OF ANTARCTICA WITHIN THE AMERICAN SECTOR, AS REVEALED BY MAPS AND DOCUMENTS—William Herbert Hobbs—*American Philosophical Society*, 71 p., 31 plates, \$2.50. Prof. Hobbs finds need for an historic check-up on Antarctic discoveries in the American sector in view of recent revelations, especially by airplane. The subject is all the more interesting for being controversial, and Prof. Hobbs brings out points and presents data which have not always been given fair consideration.

Science News Letter, March 11, 1939

Ecology

THE ROLE OF PLANT LIFE IN THE HISTORY OF DUTCHESS COUNTY—Edith Adelaide Roberts and Helen Wilkinson Reynolds—*Dutchess County Planning Board, Poughkeepsie, N. Y.*, 44 quarto pages, illus., maps, \$2.50. An exceedingly interesting study in the human ecology of a community, which has been possible because its history since early Colonial times has been exceptionally well documented.

Science News Letter, March 11, 1939

Invention

IF YOU WANT TO INVENT—H. Dyson Carter—*Vanguard*, 320 p., \$2.75. A consulting engineer calls on his wide experience to tell the novice inventor some of the tricks and trials of this interesting field of endeavor.

Science News Letter, March 11, 1939

Research

INDUSTRIAL RESEARCH LABORATORIES OF THE UNITED STATES, INCLUDING CONSULTING RESEARCH LABORATORIES (6th ed.)—Callie Hull, comp.—*National Research Coun.*, 270 p., \$3. cloth, \$2.50 paper. Information concerning 1769 laboratories is indexed four ways: by subject, by location, by personnel and by serial publication. An essential book for any library—and for many individuals.

Science News Letter, March 11, 1939

Archaeology

INCA TREASURE, AS DEPICTED BY SPANISH HISTORIANS—S. K. Lothrop—*Southwest Museum*, 75 p., illus., \$2. See page 147.

Science News Letter, March 11, 1939

Chemistry

A SYSTEM OF CHEMICAL ANALYSIS (QUALITATIVE AND SEMI-QUANTITATIVE) FOR THE COMMON ELEMENTS—Ernest H. Swift—*Prentice-Hall*, 589 p., \$6. The new system of chemical analysis treat-

ed in this textbook overcomes the handicaps which the conventional system of qualitative analysis has had; methods which have not taken advantage of the new technique of spectroscopy and the developments in the field of micro-chemistry. This new book is completely modern and very thorough.

Science News Letter, March 11, 1939

Physics

PHYSICS (3d ed.)—Oscar M. Stewart—*Ginn*, 750 p., \$4. The mortality of textbooks in physics is exceedingly high so that when a book enters its third edition it has received a high tribute to its excellence. The current revision of Prof. Stewart's text has its major change in the addition of a new chapter on atomic transformation.

Science News Letter, March 11, 1939

Chemistry

SAMPLING AND ANALYSIS OF CARBON AND ALLOY STEELS—*Reinhold*, 356 p., \$4.50. The chemists of the U. S. Steel Corporation take time out from their researches to set down their methods of sampling and analysis.

Science News Letter, March 11, 1939

Engineering

YOUR AUTOMOBILE AND YOU—Roy A. Welday—*Holt*, 251 p., 88 c. The dedication of this interesting little book is to the ideal backseat driver. It discusses the automobile from many points of view and in language the layman can understand; the motor car construction, the physical fitness of the driver, the psychology of driving, traffic laws and insurance for motor cars.

Science News Letter, March 11, 1939

Physics

SUPERCONDUCTIVITY—D. Shoenberg—*Cambridge (Macmillan)*, 111 p., \$1.75. A Russian authority on superconductivity and low temperatures prepared this monograph summarizing current knowledge of this interesting field. The European references are particularly well covered.

Science News Letter, March 11, 1939

Biology—Economics

THE NATURAL HISTORY OF POPULATION—Raymond Pearl—*Oxford*, 416 p., \$3.50. See page 151.

Science News Letter, March 11, 1939

Medicine

CIVILIZATION AGAINST CANCER—Clarence Cook Little—*Farrar and Rinehart*, 150 p., \$1.50. See page 152.

Science News Letter, March 11, 1939

Chemistry

THE CHEMICAL FORMULARY, VOL. IV—H. Bennett, ed.—*Chem. Pub. Co. of N. Y.*, 638 p., \$6. The editors of this book have followed their practice of publishing a new volume only when they have accumulated sufficient numbers of new formulas to make the effort scientifically worthy. The newest volume contains thousands of practical formulas.

Science News Letter, March 11, 1939

Mineralogy

THE EXAMINATION OF FRAGMENTAL ROCKS (Rev. ed.)—Frederick G. Tickell—*Stanford Univ.*, 154 p., \$4. The revision of this book, basic in its field of geology, brings the subject matter up to date and contains new information about the porosity and permeability of porous media which will have great interest to petroleum engineers.

Science News Letter, March 11, 1939

Fiction—Anthropology

HUNTER OF THE CAVERNS—Harold O. Whitnall—*Crowell*, 119 p., illus., \$1.50. A tale of the Cro-Magnon age told by a professor of geology. As in most books of this type, intended for young readers, the plot is a device for introducing varied details of Stone Age existence, and therefore the informative spirit prevails. The young hero grows up to become a hunter, then a cave artist.

Science News Letter, March 11, 1939

Geography—Biography

THE UNVEILING OF TIMBUCTOO, THE ASTOUNDING ADVENTURES OF RENÉ CAILLIÉ—Galbraith Welch—*Morrow*, 351 p., \$3.50. One of the less familiar, but very extraordinary figures in exploration history is the hero of this book. Before writing, Welch repeated the African journey that Caillié made over a century ago, into the mysterious and then "forbidden" City of the Sands. The adventure-minded reader should not miss knowing Caillié.

Science News Letter, March 11, 1939

Archaeology

MODERN MAYA HOUSES: A STUDY OF THEIR ARCHAEOLOGICAL SIGNIFICANCE—Robert Wauchop—*Carnegie Institution of Washington*, 181 p., 37 plates, cloth, \$3.50; paper, \$3. Since the whole Mayan pattern of civilization is being studied by cooperating scientists, this informative report on modern house building, and customs relating to homes and property, is especially significant. Excellent drawings illustrate construction details.

Science News Letter, March 11, 1939