

# • First Glances at New Books

## History

**TERRA NOVA: THE NORTHEAST COAST OF AMERICA BEFORE 1602**—Charles K. Bolton — *Faxon*, 194 p., \$3.50. It is no easy task to write a chapter of American history as full of ifs and question marks as the period of Viking voyages. Mr. Bolton makes a vivid narrative of it, meanwhile trying to steer a fair course through events probable and improbable. Whether you believe in it or not, there is drama in the meeting of two ladies named Gudrid on American soil, and in the walking trip of one David Ingram who tramped from the Gulf of Mexico to New Brunswick.

*Science News Letter, November 23, 1935*

## Astrophysics

**MOUNT ST. KATHERINE, AN EXCELLENT SOLAR-RADIATION STATION**—C. G. Abbot—*Smithsonian Institution*, 11 p., 10c. An account of the selection of the site for the Smithsonian Institution's new solar radiation observatory.

*Science News Letter, November 23, 1935*

## Radio

**EXPERIMENTAL RADIO**—R. R. Ramsey—*Ramsey Publ. Co.*, 255 p., \$2.75. Since 1923, Prof. Ramsey has been building up a series of experiments in radio for use with his course in radio communication. The experiments are collected in his valuable book, now in its third edition. The total number has grown to 128 tests.

*Science News Letter, November 23, 1935*

## Geophysics

**TRANSACTIONS OF THE AMERICAN GEOPHYSICAL UNION, 16TH ANNUAL MEETING, 1935**—*National Research Council*, 2 vol., 530 p., Free while supply lasts. These two volumes contain a large number of significant reports and contributions on geodesy, seismology, meteorology, terrestrial magnetism and electricity, oceanography, volcanology and hydrology.

*Science News Letter, November 23, 1935*

## Geology

**MANUAL FOR GEOLOGY I**—E. T. Apfel—*Edwards Bros.*, 78 p., supplementary sheets including maps, diagrams and construction paper for exercises, \$1.75.

*Science News Letter, November 23, 1935*

## Agriculture—Commerce

**ALL ABOUT COFFEE**—William H. Ukers—*Tea and Coffee Trade Journal Co.*, 818 p., \$15. A companion work to the author's *All About Tea*, now launch-

ed in its second edition. It tells of the discovery, early uses and spread of cultivation of the coffee shrub, goes into considerable detail on the history and development of the modern coffee trade, treats of the roasting and preparation of coffee and all the apparatus used therein, and winds up with an extensive coffee bibliography.

*Science News Letter, November 23, 1935*

## Natural History

**HOLIDAY MEADOW, 165 p.; HOLIDAY POND, 147 p.; HOLIDAY HILL, 135 p.**—Edith Patch. Illus. by Wilfrid S. Bronson—*Macmillan*, 96c. each. A new printing of Edith Patch's books, deservedly among the most popular of natural history writings for children. Any of them, or all three together, would make an ideal Christmas gift for a boy or girl of the earlier reading age.

*Science News Letter, November 23, 1935*

## Home Economics

**FOODS: THEIR SELECTION AND PREPARATION**—Louise Stanley and Jessie Alice Cline—*Ginn*, 458 p., \$2.60. The college student who masters this text should gain a real appreciation of "the science and art underlying the job of providing three meals a day." It might also be commented that an intelligent and curious-minded homemaker who merely skimmed through the pages would find many whys of nutrition and cookery interestingly explained. It is a very readable text.

*Science News Letter, November 23, 1935*

## Home Economics

**LABORATORY MANUAL FOR A COURSE IN FOODS: THEIR SELECTION AND PREPARATION**—Louise Stanley and Jessie Alice Cline—*Ginn*, 140 p., \$1. To get most satisfactory results, the laboratory work in this manual should precede the parallel assignment in the textbook (reviewed above). Students are encouraged through the experiments to develop and analyze recipes.

*Science News Letter, November 23, 1935*

## History of Science

**FRENCH SCIENCE AND ITS PRINCIPAL DISCOVERIES SINCE THE SEVENTEENTH CENTURY**—Maurice Caullery—*French Institute in the U. S.*, 229 p., \$1.25. A compact but comprehensively summarizing history of French science in modern times, offered originally as a course of lectures in New York City. M. Caullery shows himself a master of terse English.

*Science News Letter, November 23, 1935*

## Microscopy

**WORLD BENEATH THE MICROSCOPE**—W. Watson-Baker—*Studio Publications*, 16 p., 80 plates with descriptive text, \$2.50. Insect eyes, spiderwebs, foraminifera shells, cross-sections of plant stems, starfish plates, snail teeth—all the infinite, amazing world of beauty that lies beyond naked-eye vision, beautifully illustrated and briefly described. This book should win many recruits to the serious hobby of microscopy.

*Science News Letter, November 23, 1935*

## Ethnology

**OUR INDIANS, THE STORY OF THE INDIANS OF THE UNITED STATES**—A. Hyatt Verrill—*Putnam's* 285 p., 43 illus., \$2.50. A book for young people—especially boys—who like Indians. Mr. Verrill writes entertainingly, pointing out numerous wrong ideas that people commonly hold regarding the native Americans, and describing the life of the various distinctive tribes. Directions for making moccasins, Indian homes, bow and arrows, and Indian beds are an attractive feature of the book.

*Science News Letter, November 23, 1935*

## Zoology

**ALL ABOUT REPTILES**—W. S. Bertridg—*McBride*, 270 p., \$2.50. Some of the commoner amphibians are also included in this briskly written account of snakes, turtles, etc., in the London Zoo and other European collections, fairly representing the cold-blooded land vertebrates of the world.

*Science News Letter, November 23, 1935*

## Hobbies

**SHIP MODEL MAKING: THE BRIG**—Frank H. Mason—*Studio Publications*, 64 p., 35c. Brief directions for making one of the simpler forms of ship models, every step illustrated with a cleancut little line illustration. This booklet, and the others in the "Hours of Leisure" series, should lead many into fascinating and relaxing hobbies.

*Science News Letter, November 23, 1935*

## Anthropology

**THE MANAHOAC TRIBES IN VIRGINIA, 1608**—David I. Bushnell, Jr.—*Smithsonian Institution*, 56 p., 21 plates, 50c. These Indians of the Blue Ridge foothills were never in close enough contact with Jamestown for white settlers to learn much about them. Mr. Bushnell has now located 12 sites where Manahoacs lived, and has studied the buried remnants of their culture.

*Science News Letter, November 23, 1935*

**Engineering**

**AUTOMOBILES FROM START TO FINISH**—Franklin M. Reck—*Crowell*, 92 p., 89 illus., \$2. An attractively presented biography of the automobile from the time it is iron ore in the ground until it is iron rust in the junk dealer's graveyard. Grand photographs on all phases of motors and motoring secured in cooperation with two great automobile companies are included. The first chapter on the cars of 1900 is alone worth the price of the book.

*Science News Letter, November 23, 1935*

**Philosophy**

**GENERATION OF THE UNIVERSE AND "DESIGN FOR LIVING"**—Percy A. Campbell—*Pub. by author*, 101 p., \$1.50. Philosophy of a more or less Hegelian content, but put into brisker, more palatable form than professional philosophers commonly attempt.

*Science News Letter, November 23, 1935*

**Sociology**

**CONTEMPORARY AMERICAN INSTITUTIONS**—F. Stuart Chapin—*Harper*, 423 p., \$2.75. America's social institutions—its families, schools, churches, etc.—are essentially psychological phenomena. Taking this for his theme, the author analyzes the psychological bases of community life, drawing upon many scientific surveys and studies for facts. Prof. Chapin's concern being with present American life, he appropriately includes an appraisal of the New Deal.

*Science News Letter, November 23, 1935*

**Trigonometry**

**PLANE AND SPHERICAL TRIGONOMETRY**—Lyman M. Kells, Willis F. Kern, and James R. Bland—*McGraw-Hill*, 269 p., five-place logarithmic and trigonometric tables, 115 p., \$2.50. Trigonometry as taught at the U. S. Naval Academy; thorough, concise and complete. A chapter on the use of the slide rule for the rough and ready working of problems is not usually found in comparable texts. A special chapter is given on the trigonometric problems of navigation.

*Science News Letter, November 23, 1935*

**Engineering**

**PUBLIC LAND SURVEYS**—Lowell O. Stewart—*Collegiate Press*, 202 p., \$2.25. The history, methods and instructions for surveying the public domain.

*Science News Letter, November 23, 1935*

**Radio**

**MEASUREMENTS IN RADIO ENGINEERING**—Frederick E. Terman—*McGraw-Hill*, 400 p., \$4. A book designed both as a reference work and as a text in the

problems encountered by radio engineers in their measurements. It should be especially helpful if used in connection with a laboratory course in radio measurement, not as a manual of experiments but as a constant help in emphasizing the underlying principles.

*Science News Letter, November 23, 1935*

**Anthropology**

**ANTIQUITIES OF THE NEW ENGLAND INDIANS**—Charles C. Willoughby—*Peabody Museum of American Archaeology and Ethnology*, 314 p., \$4.75. Indians of this region are famous, yet to the average person very little known. Archaeological digging has recently shed considerable light on these Indians. Dr. Willoughby describes the discoveries, and also evidence from colonial history and in collections of antiquities. The tribes thus take on, not only shape, but historic perspective, since no less than three successive occupations by primitive native groups can be traced.

*Science News Letter, November 23, 1935*

**Physics**

**EXPERIMENTAL PHYSICS**—Edwin Morrison and S. Elizabeth Morrison—*Blakiston's*, 235 p., 189 illustrations, \$2. Physics experiments as employed at Michigan State College. The essentials of each experiment first are given, next directions for performing the test and finally a perforated detachable standard data sheet for recording information gathered.

*Science News Letter, November 23, 1935*

**Astronomy**

**THE DIMENSIONS AND STRUCTURE OF THE GALAXY**—J. S. Plaskett—*Oxford*, 30 p., 75c. The Halley Lecture, delivered June 5, 1935, in which recent discoveries and modern theories on galactic systems are summarized.

*Science News Letter, November 23, 1935*

**Geography**

**FINDING THE NEW WORLD**—Walter T. Field—*Ginn*, 429 p., \$1. The adventures of 19 discoverers and explorers are told in this humanized history for boys and girls. The heroes include Eriksen, Columbus, of course, Balboa, Cortes, Coronado, Drake, Raleigh, Hudson. It is not, says the author plainly, a book to be studied, but one to be read for the joy of reading by fifth graders or older students.

*Science News Letter, November 23, 1935*

**Soil Conservation**

**DESERTS ON THE MARCH**—Paul B. Sears—*Univ. of Okla. Press*, 231 p., \$2.50. Prof. Sears can speak of land ruination as one having authority. With a solid professional background of plant ecology and paleoclimatology, he has spent practically his entire life in the western prairie states, seeing and knowing at first hand the things whereof he speaks. He brings into the picture also a good philosophical and historical background, so that the treatment is well-rounded. And he feels deeply enough to make him eloquent. These factors unite to make his book as compelling as its subject is important.

*Science News Letter, November 23, 1935*

**Arc Welding**

**PROCEDURE HANDBOOK OF ARC WELDING DESIGN AND PRACTICE**—*Lincoln Electric Company*, 596 p., \$1.50. Arc welding in all its aspects. Third edition.

*Science News Letter, November 23, 1935*

**Radio**

**MODERN RADIO ESSENTIALS**—Kenneth A. Hathaway—*American Technical Society*, 204 p., \$2. A practical condensed treatise in the fundamental principles of radio especially written to give radio service men a more thorough background in their field of work.

*Science News Letter, November 23, 1935*

**Meteorology**

**WEATHER AND CLIMATE**—Clarence E. Koeppe and Douglas C. Ridgley—*McKnight & McKnight*, 135 p., 80c. A workbook for a college course in elementary meteorology—a course which it is to be hoped many more institutions will be offering within the next few years.

*Science News Letter, November 23, 1935*

**Physics**

**NOISE; A COMPREHENSIVE SURVEY FROM EVERY POINT OF VIEW**—N. W. McLachlan—*Oxford*, 148 p., \$2.25. British book on noise with a foreword by Sir Henry Fowler, chairman of the committee on noise appointed by the Minister of Transport. England is particularly alive to the annoying noise problem and the present book attempts successfully to present in popular fashion for British readers the background in the field.

*Science News Letter, November 23, 1935*

---

Science News Letter will secure for its subscribers any book or magazine in print which was published in the United States. Send check or money order to cover regular retail price (\$5 if price is unknown, change to be remitted) and we will pay postage in the U. S. When publications are free, send 10c. for handling. Address Book Dept., Science News Letter, 2101 Constitution Avenue, Washington, D. C.

---