

# • First Glances at New Books

Additional Reviews  
On Page 128

## Conservation

**TROUT STREAMS: CONDITIONS THAT DETERMINE THEIR PRODUCTIVITY AND SUGGESTIONS FOR STREAM AND LAKE MANAGEMENT**—Paul R. Needham—*Comstock*, 233 p., \$3. Everyone interested in trout, from conservationist and hatchery superintendent to fisherman and cook, will prize this study of the world the trout lives in. It tells, in brief but adequate and accurate fashion, of the fish themselves, the physical and chemical states of trout waters, the natural history of the insects and other aquatic animal forms that are trout food: a unique and practical book.

*Science News Letter, February 25, 1939*

## Education

**THIRD DIGEST OF INVESTIGATIONS IN THE TEACHING OF SCIENCE**—Francis D. Curtis—*Blakiston*, 419 p., \$3.50. Results of 93 research projects on a wide variety of questions in educational methods, compactly abstracted for busy teachers and school administrators.

*Science News Letter, February 25, 1939*

## History of Science

**A HISTORY OF SCIENCE, TECHNOLOGY AND PHILOSOPHY IN THE EIGHTEENTH CENTURY**—A. Wolf—*Macmillan*, 814 p., 345 illus., \$8. A monumental work of permanent importance by the University of London historian of science. A companion to his earlier work on the 16th and 17th centuries, it will be of great usefulness as a tool in the spreading study of the history of science.

*Science News Letter, February 25, 1939*

## General Science

**SCIENCE PROBLEMS FOR THE JUNIOR HIGH SCHOOL. BOOK 2**—Wilbur L. Beauchamp, John C. Mayfield, Joe Young West—*Scott, Foresman*, 578 p., \$1.48. With the verve of a well-illustrated science magazine, this text should attract the students exposed to it.

*Science News Letter, February 25, 1939*

## Population

**PROCEEDINGS, INTERNATIONAL POPULATION CONGRESS, PARIS, 1937**: Vol. 1, *Théorie Générale de la Population*, 270 p., \$1.35; Vol. 2, *Démographie Historique*, 106 p., 70 c.; Vol. 3, *Démographie Statistique: Études d'ensemble*, 156 p., 80 c.; Vol. 4, *Démographie Statistique: Études Spéciales (État de la Population, Migrations)*, 147 p., 80 c.; Vol. 5, *Démographie Statistique: Études Spéciales (Natalité, Nuptialité, Mortalité)*, 245 p., \$1.20; Vol. 6, *Démogra-*

*phie de la France d'Outremer*, 128 p., 80 c.; Vol. 7, *Facteurs et Conséquences de l'Évolution Démographique*, 212 p., \$1.10; Vol. 8, *Problèmes Qualitatifs de la Population*, 258 p., \$1.35; Complete set, \$8.—*Hermann et Cie, Paris*, American agent, *Population Assn. of America*.

*Science News Letter, February 25, 1939*

## Bibliography

**BY WAY OF INTRODUCTION—A Book List for Young People**—Joint Committee of the A. L. A. and the National Educ. Assn.—*Amer. Library Assn.*, 130 p., 65 c.; 10 or more, 35 c.

*Science News Letter, February 25, 1939*

## Photography

**HOW TO TONE PRINTS**—Arthur Hammond—*American Photographic Publishing Co.*, 72 p., 50 c. A small handbook of formulas and instructions for the dark-room enthusiast who wants to make an excursion into the field of color without the use of color photography or hand tinting.

*Science News Letter, February 25, 1939*

## Ornithology

**BIRDS FROM SIAM AND THE MALAY PENINSULA IN THE UNITED STATES NATIONAL MUSEUM COLLECTED BY DR. HUGH M. SMITH AND WILLIAM L. ABBOTT**—J. H. Riley—*Govt. Print. Off.*, 581 p., 75 c. Full descriptions and notes on one of the most notable collections of birds brought to the U. S. National Museum for many years.

*Science News Letter, February 25, 1939*

## Geography—Ethnology

**VENEZUELA**—Erna Fergusson—*Knopf*, 346 p., \$3. A discerning traveler, Miss Fergusson introduces her readers to a country with rare completeness and charm. She is interested more in the people and their character and problems than in the land. "Venezuelans," she tells us, "are a people to wonder about, perhaps to fear for, but a people to command admiration."

*Science News Letter, February 25, 1939*

## Mathematics

**THE GEOMETRY OF DETERMINANTAL LOCI**—T. G. Room—*Cambridge (Macmillan)*, 483 p., \$10. A new book on projective geometry which will be welcomed by students of mathematics everywhere. It is distinctly a book for graduate school use and for teachers of college mathematics.

*Science News Letter, February 25, 1939*

## Journalism

**MAGAZINE WRITING AND EDITING**—Mitchell V. Charnley and Blair Converse—*Cordon*, 352 p., \$3.25. A comprehensive, beautifully printed book that should be of great aid to those who wish to do a professional job of attempting to write for the periodical press.

*Science News Letter, February 25, 1939*

## Conservation

**AMERICA BEGINS AGAIN**—Katherine Glover—*Whittlesey House*, 382 p., illus., \$2.75. A book about the New Conservation, which brings out the drama and the crusading spirit in present-day efforts in soil conservation, flood control, wildlife restoration and regional planning; it puts emotional punch behind the recitation of facts.

*Science News Letter, February 25, 1939*

## Political Science

**NEXT STEPS FORWARD**—Donald Slesinger—*National Home Library*, 219 p., 25 c. Interpretations by the Twentieth Century Foundation of studies on taxation, big business, government debt and old-age security.

*Science News Letter, February 25, 1939*

## Botany

**ANDERSON'S HERBARIUM (Camp Special)**—E. S. Anderson—*E. S. Anderson*, 38 p., 25 c. A booklet for beginning collectors, in which text is interspersed with blank pages for the mounting of small specimens. Cellophane sheets to cover them are supplied in a separate envelope.

*Science News Letter, February 25, 1939*

## Education

**THE MUSEUM AND POPULAR CULTURE**—T. R. Adam—*Amer. Assn. for Adult Education*, 177 p., \$1. Three chapters of this study are of direct science interest: "The Revival of Nature Lore," "Methods of Nature Study," "Science, Industry and Commerce." The book as a whole is inspirational as well as factual.

*Science News Letter, February 25, 1939*

## Botany

**POISONOUS PLANTS OF THE UNITED STATES**—Walter Conrad Muenscher—*Macmillan*, 266 p., \$3.50. The author of "Weeds" scores again, with a well-arranged, cleanly illustrated description of the principal poisonous plants of this country. It is primarily a reference work for botanists, toxicologists, veterinarians, and other professional workers.

*Science News Letter, February 25, 1939*

# • First Glances at New Books

Additional Reviews  
On Page 127

## General Science

**BACKGROUND TO MODERN SCIENCE**—Joseph Needham and Walter Pagel, editors—*Macmillan*, 243 p., \$2. Ten lectures at Cambridge University, England, arranged by its History of Science Committee, covering the modern period of science, the last 40 years. This is the beginning of a welcome movement toward understanding science in its historical significance. The lectures given in 1936 are by such authorities as Cornford, Dampier, Rutherford, Bragg, Aston, Eddington, Ryle, Nuttall, Punnett, and Haldane.

*Science News Letter, February 25, 1939*

## Medicine

**PRACTICAL BIRTH-CONTROL METHODS**—Norman E. Himes, with the medical collaboration of Abraham Stone—*Modern Age Books*, 254 p., 95 c. A thorough, frank, detailed and authoritative discussion of all aspects of contraception.

*Science News Letter, February 25, 1939*

## Photography

**MODERN PORTRAITURE**—Stanley R. Jordan—*Camera Craft*, 199 p., \$3. Here is a book which introduces, it is said, the techniques of the Hollywood studios to the production of superior portraits. The details of proper lighting, of make-up for the camera, and tricks on proper poses are all of interest to the professional and amateur photographer.

*Science News Letter, February 25, 1939*

## Education

**A STUDY OF THE POSSIBILITIES OF GRAPHS AS A MEANS OF INSTRUCTION IN THE FIRST FOUR GRADES OF THE ELEMENTARY SCHOOL**—Ruth G. Strickland—*Teachers College, Columbia Univ.*, 172 p., \$1.85. Pictures are an easy natural language and since graphs and "little man" charts are being used extensively and successfully in other places, why not in the schools?

*Science News Letter, February 25, 1939*

## Child Study

**STUDIES IN CHILD GUIDANCE**—Jean Walker MacFarlane—*Society for Research in Child Development, National Research Council*, 254 p., illus. \$2.

*Science News Letter, February 25, 1939*

## Physics

**FUNDAMENTAL PRINCIPLES OF PHYSICS**—Herman G. Heil and Willard H. Bennett—*Prentice-Hall*, 631 p., \$5. College physics text for engineering schools where it is assumed that calculus and physics are taught simultaneously. The emphasis

of the book is on the classical time-tried physics and to a very little extent on the modern atomic physics. In this, the volume differs from many of the newer college texts, but probably fulfills its role of giving basic engineering training.

*Science News Letter, February 25, 1939*

## Photography

**SNOW AND ICE PHOTOGRAPHY**—H. W. Wagner—*Camera Craft*, 96 p., \$1. The scenes of winter present some of the greatest beauties that photography can capture. But unfortunately the glaring whiteness of snow and ice requires considerable experience and knowing a few tricks of the trade. In this little volume this knowledge is presented clearly and understandably.

*Science News Letter, February 25, 1939*

## History

**MEDIAEVAL PANORAMA: THE ENGLISH SCENE FROM CONQUEST TO REFORMATION**—G. G. Coulton—*Cambridge (Macmillan)*, 801 p., \$4. Dr. Coulton aptly likens the medieval scene to "foreign travel" for it is a strange people, with curious customs, who are described and discussed in these pages. The reader can see here an earlier age than ours which struggled with growing-pains and when "theory outran practice." It is a vivid book and an enlightening one.

*Science News Letter, February 25, 1939*

## Medicine

**NUTRITION: THE NEWER DIAGNOSTIC METHODS.** Proceedings of the Round Table on Nutrition and Public Health—*Milbank Memorial Fund*, 192 p., \$1. Technical discussions of interest chiefly to physicians and nutritionists.

*Science News Letter, February 25, 1939*

## Biology

**WILD COUNTRY: A HIGHLAND NATURALIST'S NOTES AND PICTURES**—F. Fraser Darling—*Cambridge (Macmillan)*, 103 p., \$2.75. A well-known British naturalist talks and shows pictures, about birds and mammals and plants on the cliffs of Scotland and the Isles and in the less strenuous glades of England.

*Science News Letter, February 25, 1939*

## Entomology

**BEES IN THE GARDEN AND HONEY IN THE LARDER**—Mary Louise Coleman—*Doubleday, Doran*, 131 p., \$1.75. In the course of relating her own experience with bees the author manages to impart a lot of information about bees and bee-keeping. If you have a sweet tooth this book will make your mouth water.

*Science News Letter, February 25, 1939*

## Horticulture

**THE GARDENER'S TRAVEL BOOK**—Edward I. Farrington, ed.—*Hale, Cushman and Flint*, 390 p., numerous plates, \$2.50. If you are garden-minded and have a car, this book is likely to make a gypsy of you. Listing the states alphabetically, it sets down opposite the names of towns notable things in the way of trees, rose gardens, flower festivals, all manner of horticultural treats that you may see all over the United States and Canada. There are half-page sketch maps, too, with annotations.

*Science News Letter, February 25, 1939*

## Meteorology

**WEATHER**—Gayle Pickwell—*McGraw-Hill*, 170 p., illus., \$3. Re-publication, by a new firm, of a beautifully illustrated popular work, first reviewed in SNL for November 20, 1937. It is now planned to make this the first of a series of four, the forthcoming volumes to be on Deserts, Birds, and Animals, respectively.

*Science News Letter, February 25, 1939*

## Biology

**LIFE'S BEGINNING ON THE EARTH**—R. Beutner—*Williams & Wilkins*, 222 p., \$3. A new attack on the old and ever-baffling problem of how life originated, in which advantage is taken of some of the newer discoveries of biophysics and biochemistry, particularly of viruses and enzymes.

*Science News Letter, February 25, 1939*

## Sociology

**THE CHANGING COMMUNITY**—Carle C. Zimmerman—*Harper*, 661 p., \$3.50. Village, town and city are viewed as organisms which may have various kinds of behavior. You'll recognize the communities you know in Littleville, Lonely, Utopia, Indecisive, Stability, Nudeal, Hillville, Babbit, Mayflower, Milkville, etc.

*Science News Letter, February 25, 1939*

## Exploration

**UNSOLVED MYSTERIES OF THE ARCTIC**—Vilhjalmur Stefansson—*Macmillan*, 381 p., \$3.50. See page 120.

*Science News Letter, February 25, 1939*

## Botany

**FLORA OF COSTA RICA. Part IV.**—Paul C. Standley—*Field Museum of Natural History*, 434 p., \$2.50. The concluding volume of this work, comprising families *Gesneriaceae* to *Compositae*, with an appendix of additions and corrections.

*Science News Letter, February 25, 1939*