

# • First Glances at New Books

## Chemistry—Physics

HANDBOOK OF CHEMISTRY AND PHYSICS, 23d ed.—Charles D. Hodgman, ed.—*Chemical Rubber Pub.*, 2221 p., \$6 (deluxe), \$3.50 (regular). Each year this widely-known and used reference work gets better and bigger and the current edition is no exception. A slightly larger page size gives the book bigger margins and better proportions. Additions and revisions include: Melting and boiling point index of organic compounds, ionization potentials, potentials of electrochemical reactions, the elements, isotopes, definitions of chemical terms, composition and value of foods.

*Science News Letter, September 16, 1939*

## Ornithology

BIRDS OF THE MIDWEST — Dietrich Lange—*Webb*, 67 p., 25c.

*Science News Letter, September 16, 1939*

## Ecology

BIO-ECOLOGY — Frederic E. Clements and Victor E. Shelford—*Wiley*, 425 p., \$4.50. It is a perennial scandal of ecology that its practitioners belie their professions: ecology purports to tell the whole story of life in its relations to its environment; and behold, we have plant ecologists and animal ecologists, but no straight out-and-out ecologists. This book, however, represents both a recognition of this impossible situation and a major effort to remedy it: its authors are recognized leaders in both divisions of the field of ecology. May the symbiosis endure and become ever closer!

*Science News Letter, September 16, 1939*

## Ichthyology

THE MIGRATION AND CONSERVATION OF SALMON—Forest Ray Moulton, ed.—*Science Press, Published for the American Association for the Advancement of Science*, 106 p., \$2. A symposium, participated in by eight leading biologists who have given special attention to the problems of the salmon fisheries. A particularly interesting feature is a verbatim report of a conference held under the auspices of the Fisheries Research Board of Canada.

*Science News Letter, September 16, 1939*

## Paleontology

SOME MEMORIES OF A PALEONTOLOGIST—William Berryman Scott—*Princeton Univ. Press*, 336 p., \$3. Delightfully told reminiscences of a scientist who remembers Princeton undergraduate life in the sixties, German student life in the seventies, and many landmark events in

scientific history. It is not often that an eminent man of science settles back to confide his life story to the interested reader in so frank and pleasing a manner.

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## Forestry

FORESTRY AND LUMBERING—Josephine Perry and Celeste Slauson—*Longmans, Green*, 127 p., \$1.50. A simple and short, but clear and comprehensive, account of America's timber industries designed for use in the grade schools. In a time when a wise and adequate national forest policy is a crucial necessity, it is especially desirable to have the citizens of tomorrow informed on the essentials of the subject.

*Science News Letter, September 16, 1939*

## Evolution

HOW FATHER TIME CHANGES THE ANIMALS' SHAPES—Gaylord Johnson—*Messner*, 185 p., \$2. A new book on ancient life, by one of the top writers of popular science, who has a special flair for ancient things. The author maintains his usual vivid style and ingenious analogies, and the illustrative sketches are up to previously established high standards.

*Science News Letter, September 16, 1939*

## Plant Physiology

PLANT PHYSIOLOGY—Bernard S. Meyer and Donald B. Anderson—*Van Nostrand*, 696 p., \$4.50. A new and up-to-date text in plant physiology, in which due consideration is given to the more recent advances in the science, such as plant hormones, auxins and trace elements, as well as to the more effective and correct presentation of longer-known facts.

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## Meteorology

PHYSICAL AND DYNAMICAL METEOROLOGY (2d ed.)—David Brunt—*Cambridge (Macmillan)*, 428 p., \$6.75. Only five years has elapsed since publication of the first edition of this fine and exhaustive treatise on the weather and the mathematics which govern its behavior. The book is coming to be the standard textbook in its field for postgraduate students.

*Science News Letter, September 16, 1939*

## Ethnology

WAR CEREMONY AND PEACE CEREMONY OF THE OSAGE INDIANS—Francis La Flesche—*Govt. Print. Off.*, 280 p., 35c. (Smithsonian Institution, Bureau of American Ethnology, Bulletin 101)

*Science News Letter, September 16, 1939*

## Education—Psychology

FOUNDATIONS OF EDUCATIONAL PSYCHOLOGY—Peter Sandiford—*Longmans, Green*, 464 p., \$3.25. The first of a projected series of textbooks from the University of Toronto designed to give the student a general survey of this field. The field of this book is parallel to that called by Dr. Thorndike the "Original Nature of Man," discussing such matters as heredity and environment, individual differences, glands, reflexes, intelligence and personality.

*Science News Letter, September 16, 1939*

## Psychology—Education

CORRECTING NERVOUS SPEECH DISORDERS—Mabel Farrington Gifford—*Prentice-Hall*, 197 p., \$2.85. A textbook for speech therapists and teachers of remedial speech "bringing into focus the technique for the correction of stammering that is practised in the California public schools."

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## Mathematics

ELEMENTS OF THE TOPOLOGY OF PLANE SETS OF POINTS—M. H. A. Newman—*Cambridge (Macmillan)*, 221 p., \$3.50. Here is a book on advanced mathematics for the expert by a fellow of St. John's College, Cambridge University, England.

*Science News Letter, September 16, 1939*

## Chemistry

INORGANIC SYNTHESSES, Vol. I—Harold Simmons Booth, ed.—197 p., \$3. The newest methods of inorganic synthesis are here compiled from the writings of many authors in a volume edited by Prof. Booth. A "must" book for students in this field.

*Science News Letter, September 16, 1939*

## Chemistry

INTRODUCTORY COLLEGE CHEMISTRY (3d ed.)—Harry N. Holmes—*Macmillan*, 619 p., \$3.50. This book is a third edition of the text prepared by Oberlin's professor of chemistry. It is designed for the teacher who wishes a book somewhat shorter and less difficult than the author's well-known "General Chemistry."

*Science News Letter, September 16, 1939*

## Sociology

SOCIAL RESEARCH—Manuel Conrad Elmer—*Prentice-Hall*, 522 p., \$3. A book intended to present various methods of approach to social problems and to indicate the type of inquiry to which these methods may most effectively be applied.

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