

# ● First Glances at New Books

## Physics

RELATIVITY, THERMODYNAMICS AND COSMOLOGY—Richard C. Tolman—*Oxford*, xv, 502 p., \$8.50. In a book which shows years of hard work, careful judgment of material and completeness of detail Dr. Tolman sums up, for what will probably be many years to come, the effects of applying relativity considerations to thermodynamics. Where the results of this new branch of thermodynamics touch cosmology Dr. Tolman draws on his own mathematical researches. With some men this "liberty" might be a handicap but in the present case the author could not have chosen a finer authority. Latest volume in the well-known International Series of Monographs on Physics, the book—because of its price and technical nature, is probably not destined for popular consumption even among physicists. But it should be a classic reference of any good library for a long time to come.

*Science News Letter, August 25, 1934*

## Physics

DISSOCIATION ÉLECTROLYTIQUE—Pt. 1, by L. Gay and P. Jaulmes, 34 p., 10 fr.; Pt. 2, by L. Gay and P. Jaulmes, 55 p., 15 fr.; Pt. 3, by L. Gay and R. Lautié, 20 p., 7 fr.—*Hermann et Cie., Paris*.

*Science News Letter, August 25, 1934*

## Medicine—Physics

ELECTROKINETIC PHENOMENA AND THEIR APPLICATION TO BIOLOGY AND MEDICINE—Harold A. Abramson—*Chemical Catalog Co.*, 331 p., \$7.50. Far too technical for the average lay reader, this book has much of interest for the physician and biologist.

*Science News Letter, August 25, 1934*

## Physics

THE GYROSCOPE (ITS LAWS AND MYSTERIES)—Theodore Bode—Peiyang Press, Tientsin-Peiping—23 p. Explanation of how a gyroscope works, without use of advanced mathematics.

*Science News Letter, August 25, 1934*

## History—Law

STUDIES IN THE ADMINISTRATION OF THE INDIANS IN NEW SPAIN—Lesley Byrd Simpson—*Univ. of California Press*, 130 p., 12 plates, 2 maps, \$1.50. These early laws which regulated relations between Indians and Spaniards have hitherto been rather inaccessible because of the difficulty in reading the old documents in manuscript form. In transcribing the laws of Burgos of 1512,

which form the first section of this book, the author has modernized spelling and punctuation; in part two, the history of the civil congregation of the Indians (1590-1605), has been condensed and translated into English.

*Science News Letter, August 25, 1934*

## Science

THE JEW IN SCIENCE—Louis Gershenfeld—*Jewish Publication Society of America*, 224 p., \$2.75. The contribution of the Jewish race in science through the ages and in modern times. It may surprise not a few Gentiles to learn that fifteen scientists of Jewish descent have so far been awarded the Nobel Prize; five in chemistry, five in physics and five in medicine.

*Science News Letter, August 25, 1934*

## Psychoanalysis

OUTLINE OF CLINICAL PSYCHOANALYSIS—Otto Fenichel—*The Psychoanalytic Quarterly Press and Norton*, 492 p., \$5. Translated by Bertram D. Lewin and Gregory Zilboorg. Physicians treating mental and nervous diseases will be interested in this thorough discussion of psychoanalysis as a method of treatment. The book is not for lay readers, however.

*Science News Letter, August 25, 1934*

## Anthropology

THE HYPOTROCHANTERIC FOSSA OF THE FEMUR—Ales Hrdlicka—*Smithsonian Institution*, 49 p., 14 pl., 40c. A critical physical-anthropological study of the occurrence and phylogenetic significance of a furrow in the human and higher primate thighbone.

*Science News Letter, August 25, 1934*

## Ornithology

BIRD PORTRAITS IN COLOR—Thomas Sadler Roberts—*University of Minnesota*, 90 color plates, text, \$3.50. Concise popular text descriptions front each full-page plate, superbly done in colors by a group of the leading American bird painters. A better gift book for any person interested in birds, from high school age on up, would be difficult to imagine.

*Science News Letter, August 25, 1934*

## Photography

THE ART OF COLORING PHOTOGRAPHIC PRINTS—J. Carroll Tobias—*American Photographic Pub. Co.*, Boston, 108 p., \$1.50. Complete instructions for the amateur.

*Science News Letter, August 25, 1934*

## Industrial Hygiene

DEATH RATES BY OCCUPATION BASED ON DATA OF THE U. S. CENSUS BUREAU 1930—Edited by Jessamine S. Whitney—*National Tuberculosis Association*, 32 p., \$1.

*Science News Letter, August 25, 1934*

## VITALISM and MECHANISM A DISCUSSION

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and

JAMES F. PORTER

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# ● First Glances at New Books

## Economics

AMERICA'S CAPACITY TO PRODUCE—Edwin G. Nourse and Associates—*Brookings Institution*, 597 p., \$3.50. Such books as this provide necessary information in the making of blueprints for building America's economic future, whether it is called planning or regimentation. Fat in facts and pages though it is, this volume is only the first in a series of four being prepared by the Institute of Economics on the distribution of wealth and income in relation to economic progress. Reading these pages renews one's confidence that the application of scientific methods to the economics fields will be fruitful as they have in the fields of physical and natural sciences.

*Science News Letter, August 25, 1934*

## Economics

THE AMERICAN VEGETABLE-SHORTENING INDUSTRY, ITS ORIGIN AND DEVELOPMENT—G. M. Weber and C. L. Alsberg—*Food Research Institute, Stanford Univ.*, xii, 359 p., \$3.50. A thorough-going study of the development of lard substitutes of vegetable origin in the United States, and of the economic interplay of the industry with the raising of corn and hogs. Useful appendices include a history of the technology, an account of shortening action, and numerous tables.

*Science News Letter, August 25, 1934*

## Economics

INTERNATIONAL ECONOMIC RECOVERY—H. G. Moulton—*University of Minn.*, 25 p., 25c. A lecture by the president of the Brookings Institution who speaks with authority.

*Science News Letter, August 25, 1934*

## Economics

THE SCANDINAVIAN UNEMPLOYMENT RELIEF PROGRAM—C. J. Ratzlaff—*University of Pennsylvania Press*, 211 p., \$2.

*Science News Letter, August 25, 1934*

## Economics

RAILROAD MERGERS—John Will Chapman—*Simmons-Boardman Publishing Co.*, 153 p., \$3.

*Science News Letter, August 25, 1934*

## Ornithology

BIRDS AND BIRDHOUSES—Bob Becker—*Chicago Tribune*, 96 p., 30c. This pamphlet gives some notion of the qualities of various possible bird neighbors and what kind of quarters they prefer,

so that the person with good will toward birds will be able to elect the friends he prefers and build to attract them as tenants.

*Science News Letter, August 25, 1934*

## Ornithology

BIRDS—Julius King—*Harter Publishing Co.*, 3 v., 62 p., each vol., 10c each, plus postage. Little books in large print, chattily telling the younger audience interesting facts about familiar birds, adding a bit of verse dedicated to each one. The signature of Allan Brooks on the many colored illustrations vouches at once for scientific accuracy and artistic merit.

*Science News Letter, August 25, 1934*

## Zoology

A HANDBOOK OF REPTILES AND AMPHIBIANS OF THE PACIFIC STATES—Joseph R. Slevin—*California Academy of Science*, 73 p., 11 pl., 75c. This convenient handbook, well "keyed" and well illustrated, will be useful both to students in West Coast schools and colleges and to herpetologically-inclined visitors from other parts of the country.

*Science News Letter, August 25, 1934*

## Ichthyology

THE FISHERMAN'S GUIDE — Bob Becker—*Chicago Tribune*, 81 p., 30c.

*Science News Letter, August 25, 1934*

## Botany

A LABORATORY GUIDE FOR A COURSE IN GENERAL BOTANY—Lee Bonar, Richard M. Holman and Lucile Roush—*Wiley*, 112 p., \$1.25.

*Science News Letter, August 25, 1934*

## Biology-Teaching

WORK-TEST BOOK TO ACCOMPANY THE NEW EDITION, BIOLOGY AND HUMAN WELFARE—James E. Peabody—*Macmillan*, 157 p., 40c.

*Science News Letter, August 25, 1934*

## Entomology

THE EXTERNAL ANATOMY OF THE RED DATE SCALE PHOENICOCOCCUS MARLATTI COCKERELL, AND ITS ALLIES—F. S. Stickney—*Govt. Print. Off.*, 163 p., 15c.

*Science News Letter, August 25, 1934*

## Science

SCIENCE FOR A NEW WORLD—Arranged by Sir J. Arthur Thomson, edited by J. G. Crowther—*Harper*, 398 p., \$3.75. Fifteen authorities write essays on the various fields of science. Prof. George D. Birkhoff of Harvard discusses mathematics, Prof. A. S. Eve of McGill explains the trend of physics, Prof. Max Planck, recently of the University of Berlin speaks with authority on causality in nature, and the other authors are largely British.

*Science News Letter, August 25, 1934*

## General Science

OFFICIAL HANDBOOK OF EXHIBITS IN THE DIVISION OF THE BASIC SCIENCES, THE HALL OF SCIENCE—*Century of Progress*, 184 p., 30c each postpaid, by mail; 10c each over the counter; 10c each plus postage on quantity orders. Condensed descriptions of all the basic science exhibits in Chicago's famous Hall of Science. This book is intended to serve the more careful sight-seer as well as the student of science as they go through the endless aisles. It will be useful also later on, as a memorandum of what one has seen.

*Science News Letter, August 25, 1934*

## Radio

SO-O-O-O YOU'RE GOING ON THE AIR—Robert West—*Rodin Publishing Company*, 215 p., \$1.75. A book written in popular style for those interested in broadcasting.

*Science News Letter, August 25, 1934*

## Vocational Guidance

PROCEEDINGS OF THE MINNESOTA STATE CONFERENCE ON VOCATIONAL GUIDANCE—Edited by Donald G. Pater-son—*Univ. of Minnesota Press*, 24 p., 50c.

*Science News Letter, August 25, 1934*

## Engineering

TESTS OF THE FIRE RESISTANCE AND STRENGTH OF WALLS OF CONCRETE MASONRY UNITS—Carl A. Menzel—*Portland Cement Association*, 215 p. Book prepared for limited distribution only. Copies available without charge to libraries and technical societies.

*Science News Letter, August 25, 1934*

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