

# • First Glances at New Books

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## ANTHROPOLOGY

AN EXHIBITION OF MASKS, Occult and Utilitarian—*Cranbrook Institute of Science*, 22 p., illus., 20c. From Stone Age rites to present war defense and industrial safety, the idea of hiding the face behind a mask has served many purposes. Those who cannot visit Bloomfield Hills, Michigan, to see the Cranbrook Institute's current exhibit may find much of interest in this nicely illustrated guide article.

*Science News Letter, November 16, 1940*

## ECONOMICS

VENEZUELA, A Democracy—Henry J. Allen—*Doubleday, Doran*, 289 p., illus., \$3.50. What Venezuela is like—its resistance to totalitarianism, its experiments in progressive education, its social and economic adjustments—is told with journalistic vigor and political insight by Mr. Allen, a former governor of Kansas and special adviser to the State Department.

*Science News Letter, November 16, 1940*

## RECREATION—ETHNOLOGY

LET'S CELEBRATE CHRISTMAS—Horace J. Gardner—*Barnes*, 212 p., \$2.50. Starting out with custom and tradition of Christmas in many lands, this unusual book goes on to plan Christmas parties from games to refreshments (recipes included), provides poems, carols and stories for the season and even two one-act Christmas plays.

*Science News Letter, November 16, 1940*

## BOTANY

STUDIES OF CENTRAL AMERICAN PLANTS, I—Paul C. Standley and Julian A. Steyermark—*Field Museum of Natural History*, 100 p., 75c.

*Science News Letter, November 16, 1940*

## ANTHROPOLOGY

NOTES ON SKIDI PAWNEE SOCIETY—George A. Dorsey and James R. Murie—*Field Museum of Natural History*, 52 p., 40c.

*Science News Letter, November 16, 1940*

## RADIO

FESSENDEN, Builder of Tomorrows—Helen M. Fessenden—*Coward-McCann*, 362 p., \$3. A sympathetic biography of a famous radio pioneer, written by his widow.

*Science News Letter, November 16, 1940*

## SOCIOLOGY

SUMNER TODAY, Selected Essays of William Graham Sumner, with Comments by American Leaders—Maurice

R. Davie, ed.—*Yale Univ. Press*, 194 p., \$2.50. Re-printing the social philosophy of an influential teacher, whose life span ran from 1840 to 1910, the editors have given the Sumner ideas historic perspective by asking present-day individuals to comment, following each essay. Some of this group of commentators stress the obsolete, more are impressed by current aptness in Sumner sociology.

*Science News Letter, November 16, 1940*

## TECHNOLOGY

FACTORY VENTILATION IN THE BLACK-OUT—Gt. Brit. Factory Dept., Home Office—*Brit. Library of Information*, 17 p., 10c. These suggestions, fortunately, are not now needed in the United States, but they might be useful to some one who is interested in providing proper ventilation for a photographic darkroom.

*Science News Letter, November 16, 1940*

## CHEMISTRY

ORGANIC REAGENTS USED IN QUANTITATIVE INORGANIC ANALYSIS—Wilhelm Proding; Stewart Holmes, trans.—*Nordemann*, 203 p., \$5. The first German edition of this work appeared in 1937, and the second in 1939. This translation, from the latter, will make its useful data available to chemists in English-speaking countries.

*Science News Letter, November 16, 1940*

## HISTORY

THE BRIDGE OF WATER, The Story of Panama and the Canal—Helen Nicolay—*Appleton-Century*, 295 p., illus., \$2. For young readers, Miss Nicolay skillfully builds the history of America's important Panama Canal area, from the discovery era when "pepper began it" to the present. Very attractive black and white illustrations are by Chichi Lasley.

*Science News Letter, November 16, 1940*

## GEOGRAPHY

1940 YEARBOOK, Park and Recreation Progress—U. S. National Park Service—*Govt. Print. Off.*, 92 p., illus., 35c. Contains informative articles with illustrations, in addition to the report of a year's progress, and a current bibliography.

*Science News Letter, November 16, 1940*

## EMBRYOLOGY

DEVELOPMENTAL ANATOMY, A Textbook and Laboratory Manual of Embryology (4th ed.)—Leslie Brainerd Arey—*Saunders*, 612 p., illus., \$6.75. New edition of a successful text for advanced courses in embryology.

*Science News Letter, November 16, 1940*

## HISTORY

THE CARIBBEAN DANGER ZONE—J. Fred Rippy—*Putnam's*, 296 p., \$3. Caribbean policy of the United States and the historic and diplomatic developments that have shaped the situation up to now are discussed in this interpretative volume. Politicians of both the United States and Caribbean countries have been guilty of some unpatriotic maneuvers in the past, Prof. Rippy finds, and he warns now that this "most vital area" requires a solid defense by its neighbors.

*Science News Letter, November 16, 1940*

## ZOOLOGY

THE ANATOMY OF THE CAT—Richard R. Stuart—*Denoyer-Geppert*, 32 p., illus., 50c.

THE ANATOMY OF NECTURUS MACULOSUS, The Mud Puppy—Richard R. Stuart—*Denoyer-Geppert*, 28 p., illus., 50c. Laboratory manuals for the first-year course in zoology.

*Science News Letter, November 16, 1940*

## MATHEMATICS

A COURSE OF ANALYSIS (2d ed.)—E. G. Phillips—*Cambridge (Macmillan)*, 361 p., \$4. The second edition of this technical treatise is largely a reproduction of the first (1930), only some minor changes in correcting a few errors and clearing certain obscurities having been made.

*Science News Letter, November 16, 1940*

## MATHEMATICS

A STUDY OF THE PROBLEMS IN TEACHING THE SLIDE RULE—Carl N. Shuster—*Teachers College, Columbia Univ.*, 103 p., \$1.85. With the "slip-stick" so important in engineering, science and business, it is rather surprising that up to now there has been no experimental study in English of methods for teaching its use. The vacancy has now been ably filled by this book, which will be of interest not only to teachers, but to anyone who uses, or wants to use, a slide rule.

*Science News Letter, November 16, 1940*

## ABRONAUTICS

WIN YOUR WINGS, Book I—Roscoe Turner and Jean H. Dubuque—*Drake*, 649 p., illus., \$3.50. Intended as a primary aviation training manual, this work covers elementary principles of flight, meteorology, navigation, and Civil Air Authority regulations. An aeronautical dictionary is included.

*Science News Letter, November 16, 1940*

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## GENERAL SCIENCE

**THE SOUL OF THE UNIVERSE**—Gustaf Strömberg—*McKay*, 244 p., \$2. One of the leading astronomers at the Mt. Wilson Observatory has applied the quantum theory and the theory of relativity to the age-old problem of the relationship between mind and matter. He comes to the conclusion that "the individual memory is probably indestructible and that the essence of all living elements is probably immortal." The study, according to the author, "leads to the inevitable conclusion that there exists a World Soul or God."

*Science News Letter, November 16, 1940*

## BOTANY

**ILLUSTRATED FLORA OF THE PACIFIC STATES**, Vol. I, Ophioglossaceae to Aristolochiaceae, Ferns to Birthworts—LeRoy Abrams—*Stanford Univ. Press*, 538 p., illus., \$7.50. New printing on better paper at a reduced price. The publisher will accept copies of the first printing for \$3 credit toward the purchase of the new copy. Such exchanges must be sent directly to the publisher at Stanford University, Calif. Volume II (Buckwheats to Kramerias) will be published in December, and volumes III and IV are in preparation.

*Science News Letter, November 16, 1940*

## GENERAL SCIENCE

**ENGINES OF DEMOCRACY**, Inventions and Society in Mature America—Roger Burlingame—*Scribner*, 606 p., illus., \$3.75. The rise of American technology and industry with a strong background of economics and sociology is told by the author of "March of the Iron Men." It makes significant and enlightening reading. A conclusion: "The history of United States is fundamentally a history of invention."

*Science News Letter, November 16, 1940*

## HISTORY—ECONOMICS

**THE MINGLING OF THE CANADIAN AND AMERICAN PEOPLES**. Vol. I, Historical—Marcus Lee Hansen—*Yale Univ.*, 274 p., \$3. Solid and competent groundwork for the increasing cooperation between our neighbors to the North and ourselves.

*Science News Letter, November 16, 1940*

## GENERAL SCIENCE

**EXPLORING OUR WORLD**—Samuel Ralph Powers, Elsie Flint Neuner, Herbert Bascom Bruner and John Hodgdon Bradley—*Ginn*, 495 p., illus., \$1.28. One of a trilogy of texts for grades seven,

eight and nine, themed on the idea that living things, including man, are dependent on each other and on their physical environment. This volume is for the 7th grade.

*Science News Letter, November 16, 1940*

## GENERAL SCIENCE

**SCIENCE AND EVERYDAY LIFE**—J. B. S. Haldane—*Macmillan*, 284 p., \$2. Seventy articles by an effective British scientist and popularizer. They have previously appeared in a British newspaper.

*Science News Letter, November 16, 1940*

## ARCHITECTURE

**THE BOOK OF LOW COST HOUSES**—The Architectural Forum Editors—*Simon and Schuster*, 128 p., illus., \$1. Many practical suggestions, with plans, specifications, etc. are given for nearly a hundred houses, costing from \$1200 to \$7500.

*Science News Letter, November 16, 1940*

## BIBLIOGRAPHY

**BOOKS FOR TIRED EYES**, A List of Books in Large Print (3rd ed.)—Charlotte Matson and Dorothy Wurzburg—*Amer. Library Assn.*, 79 p., 65c.

Books for adults and books for children, all in 12 point type (this big) or larger.

*Science News Letter, November 16, 1940*

## AERONAUTICS

**FIGHTING PLANES OF THE WORLD**—Bernard A. Law—*Random House*, 66 p., illus., \$1. Sixty-five beautiful illustrations in color show the principal types, not only those in the fleets of the warring countries, but also in the ones that are still at peace.

*Science News Letter, November 16, 1940*

## MATHEMATICS

**AN INTRODUCTION TO ABSTRACT ALGEBRA**—Cyrus Colton MacDuffee—*Wiley*, 303 p., \$4. Intended as a textbook for beginning graduate students, this work includes some facts from number theory, group theory and formal algebra, to provide a background for understanding the generalized facts of abstract algebra.

*Science News Letter, November 16, 1940*

## ZOOLOGY

**ESSENTIALS OF ZOOLOGY**, Emphasizing Principles of Animal Biology—George Edwin Potter—*Mosby*, 526 p., illus., \$3.75. A new textbook, by the professor of biology at Texas A. and M. College.

*Science News Letter, November 16, 1940*

## EXPLORATION

**CENTENARY CELEBRATION**, The Wilkes Exploring Expedition of the United States Navy 1838-1842 and Symposium on American Polar Exploration—*Amer. Philosophical Soc.*, 331 p., illus., \$2.50 (Proceedings, Vol. 82, No. 5). On February 23 and 24, 1940, the American Philosophical Society celebrated the centenary of our first national exploring expedition, in which it played an important part. The papers presented, here published, provide a valuable summary of the results of that expedition and the important work done in the following century by polar explorers from the United States.

*Science News Letter, November 16, 1940*

## RADIO

**THE RADIO AMATEUR'S HANDBOOK** (8th ed.)—A. Frederick Collins; E. L. Bragdon, rev.—*Crowell*, 341 p., illus., \$2. This new edition brings up to date a book which tells how to make, operate and repair your own radio. Television, frequency modulation and radio facsimile are included.

*Science News Letter, November 16, 1940*

## CHEMISTRY

**LABORATORY MANUAL OF ELEMENTARY ORGANIC CHEMISTRY**—George H. Richter—*Wiley*, 128 p., diagrams, \$1.25. This manual is written to appeal particularly to students of the biological sciences, and includes the preparation of such modern compounds as sulfanilamide and pron-tosil.

*Science News Letter, November 16, 1940*

## PHOTOGRAPHY

**WALL'S DICTIONARY OF PHOTOGRAPHY** (15th ed.)—F. J. Mortimer, ed.; A. L. M. Sowerby, rev.—*Amer. Photographic Pub. Co.*, 701 p., illus., \$2.50. This 1940 edition of a valuable reference work that first appeared more than half a century ago takes into account many of the important advances of recent years.

*Science News Letter, November 16, 1940*

## PHYSICS

**INTRODUCTION TO POLARIZED LIGHT AND ITS APPLICATION**—Martin Grabau—*Polaroid Corp.*, 46 p., illus., 50c. This little booklet, listing a variety of polarized light experiments which are now easily possible with Polaroid film, will be especially valuable to students and teachers. Many novel uses of this fascinating material are suggested.

*Science News Letter, November 16, 1940*