

Books of the Week

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

ALL ABOUT AIRCRAFT—D. M. Desoutter—*John de Graff*, 474 p., illus., \$5.00. To give the general reader a background for understanding current developments in the active field of aeronautics.

AMPHIBIANS OF ILLINOIS—Paul W. Parmalee—*Illinois State Museum*, 38 p., illus., paper, 25 cents. An aid to the identification and understanding of these coldblooded vertebrates.

ARTHRITIS EXPOSED: For Its Millions of Victims and for Others Who Wish to Prevent It—Millard Tufts—*Olsen*, 61 p., illus., \$1.50. A simple explanation of how this painful complaint develops and what you can do to prevent or alleviate it.

THE ATOM SPY HOAX—William A. Reuben—*Action Books*, 504 p., \$3.75. Questioning whether any of the persons accused of spying for Russia actually conveyed any atomic secrets.

THE DEVELOPMENT OF COLOR IN BUDGERIGARS—E. W. Brooks—*All-Pets Books*, 48 p., illus., \$2.00. For the experimental breeder.

THE DEVELOPMENT OF MODERN SOCIOLOGY: Its Nature and Growth in the United States—Roscoe C. Hinkle Jr., and Gisela J. Hinkle—*Doubleday*, Doubleday Short Studies in Sociology, 75 p., paper, 95 cents. To assist the student in attaining a more integrated understanding of contemporary American sociology.

ELECTRICITY AND MAGNETISM—Ralph P. Winch—*Prentice-Hall*, 755 p., illus., \$7.75. Text for a one-year course for college sophomores or juniors.

FRAGMENTS OF AN ANALYSIS WITH FREUD—Joseph Wortis—*Simon and Schuster*, 208 p., \$3.00. The analysis, described here from notes made at the time, was undertaken for professional training, not therapy. It provides an unusual view of the great psychiatrist.

THE HARVEY LECTURES: Delivered Under the Auspices of the Harvey Society of New York 1953-1954—Claude Fromaget and others—*Academic*, 299 p., illus., \$7.50. The Harvey Society is an institution for the diffusion of knowledge of the medical sciences.

INTRODUCING SEASHELLS: A Colorful Guide for the Beginning Collector—R. Tucker Abbott with illustrations by Frederick M. Bayer—*Van Nostrand*, 64 p., illus., paper, \$2.50. A beautiful book on a popular hobby.

AN INTRODUCTION TO PLANT TAXONOMY—George H. M. Lawrence—*Macmillan*, 179 p., illus., \$3.25. An aid to the amateur botanist and college student of local plants.

LABORATORY EXPLORATIONS IN GENERAL ZOOLOGY—Karl A. Stiles—*Macmillan*, 3d ed., 291 p., illus., paper, \$3.75. Designed to help the college freshman in the study of zoological materials and in the development of scientific thinking.

THE MACMILLAN WORLD GAZETEER AND GEOGRAPHICAL DICTIONARY—T. C. Collocott and J. O. Thorne—*Macmillan*, 792 p., \$6.95. Here you can look up facts about most of the places in the world and can read about spots you never heard of.

MATHEMATICS IN ACTION—O. G. Sutton—

Crowell, 226 p., illus., \$4.50. Explaining to the layman some of the uses of mathematics in science and practical affairs.

THE MONAGRILLO CULTURE OF PANAMA—Gordon R. Willey and Charles R. McGimsey with an appendix on Archaeological Marine Shells by Robert E. Greengo—*Peabody Museum*, 158 p., illus., paper, \$4.65.

MOSQUITOES: Their Bionomics and Relation to Disease—William R. Horsfall—*Ronald*, 723 p., \$16.00. Bringing together and summarizing what is known about mosquitoes, their relation to environment, and the part they play in human disease.

MY WAY OF BECOMING A HUNTER—Robert H. Rockwell—*Norton*, 285 p., illus., \$3.75. The scientist responsible for most of the habitat groups in the Akeley African Hall of the American Museum of Natural History gives the highlights of his life.

NATIONAL BUREAU OF STANDARDS BIENNIAL REPORT 1953 and 1954—A. V. Astin, Director—*Govt. Printing Office*, Miscellaneous Publication 213, 162 p., paper, 60 cents. Including the Ad Hoc Committee recommendations and describing changes made as a result of them.

NUCLEAR PHYSICS—Alex E. S. Green—*McGraw-Hill*, 535 p., illus., \$9.00. A textbook dealing with the characteristics, behavior and internal structure of the atom's nucleus.

OUR BEAUTIFUL WESTERN BIRDS: Observations of a Naturalist—Russell T. Congdon—*Exposition Press*, 408 p., illus., \$9.00. This beautiful book is the result of patient work with pen and camera.

PHYSICAL CHEMISTRY—Scott L. Kittsley—*Barnes & Noble*, College Outline series, 209 p., illus., paper, \$1.50. An aid for quick review of the subject. Includes a tabular index to leading standard textbooks.

REPORT OF THE ADVISORY COMMITTEE ON APPLICATION OF MACHINES TO PATENT OFFICE OPERATIONS—V. Bush, Chairman—*Department of Commerce*, 76 p., paper, \$1.00. Showing how electronic brains can be used to do much of the tedious work of patent searching.

THEORIES OF PERCEPTION AND THE CONCEPT OF STRUCTURE: A Review and Critical Analysis With an Introduction to a Dynamic-Structural Theory of Behavior—Floyd H. Allport—*Wiley*, 709 p., illus., \$8.00. A survey and clarification of the contributions of modern psychologists to the theory of perception.

VARIABLE STARS AND GALACTIC STRUCTURE—Cecilia Payne-Gaposchkin—*University of London (John de Graff)*, 116 p., illus., \$3.50. Based on lectures at the University of London by the Phillips Astronomer at Harvard.

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