

# 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 GUPPIES**—Leon F. Whitney—*Practical Science* (Garden City) 99 p., illus., paper, \$1.50. Presents facts for the better breeding, feeding, care and exhibiting of these minute fish.

**AMERICA'S ANCIENT CIVILIZATIONS**—A. Hyatt Verrill and Ruth Verrill—*Putnam*, 334 p., illus., \$5.00. Discusses current theories, discoveries, and the probable influence of Asia on the civilizations of the Mayas, the Aztecs and the Incas.

**BIRDS OF MEXICO: A Guide for Field Identification**—Emmet R. Blake—*University of Chicago Press*, 644 p., illus., \$6.00. Treats all of the 967 species and 2,000-odd geographical varieties that constitute a part of the landscape of Mexico.

**CERAMICS HANDBOOK**—N. Richard Hyman—*Sterling*, 144 p., illus., \$2.95. A pictorial presentation showing how to make all types of pottery-ware, ceramic sculpture and jewelry.

**CHARTERS OF FREEDOM**—*National Archives*, 16 p., illus., paper, 25 cents. Readable facsimiles of the Declaration of Independence, the Constitution and the Bill of Rights with a brief historical sketch of each.

**THE COMETS AND THEIR ORIGIN**—R. A. Lyttleton—*Cambridge University Press*, 173 p., illus., \$5.00. Presents known observational facts about comets, a theory of their origin, and explains how their tails are formed.

**DRAFTING BY THE MODEL METHOD**—John B. Musacchia, Henri A. Fluchere and Melvin J. Grainger—*Arco Publishing*, 143 p., illus., paper \$3.50, cloth \$5.00. A complete course in drafting employing cut-out three-dimensional models.

**THE EFFECT OF QUENCHING AND TEMPERING ON RESIDUAL STRESSES IN MANGANESE OIL HARDENING TOOL STEEL**—Harold J. Snyder—*Mellon Institute of Industrial Research*, 17 p., illus., paper, free upon request to publisher, 4400 Fifth Avenue, Pittsburgh 13, Pa.

**EX-PRODIGY: My Childhood and Youth**—Norbert Wiener—*Simon and Schuster*, 309 p., illus., \$3.95. The autobiography of a great mathematician and the creator of cybernetics.

**FOOD-BORNE INFECTIONS AND INTOXICATIONS**—Fred W. Tanner and Louise P. Tanner—*Gar-*

*land Press*, 2nd ed., 769 p., \$12.00. Includes chapters on food hygiene, ptomaine poisoning, the dysenteries, brucellosis, botulism, etc.

**FRESH-WATER INVERTEBRATES OF THE UNITED STATES**—Robert W. Pennak—*Ronald Press*, 769 p., illus., \$14.00. Covers the free-living fauna (including aquatic insects), with emphasis on natural history, ecology and taxonomy.

**HISTORY OF ANESTHESIA: With Emphasis on the Nurse Specialist**—Virginia S. Thatcher—*Lippincott*, 289 p., illus., \$5.00. A history of the pioneer anesthetists.

**INTRODUCTION TO PSYCHOLOGY**—Ernest R. Hilgard—*Harcourt, Brace*, 659 p., illus., \$7.50. For the general student and the intended major in psychology, this deals with topics which concern the contemporary psychologist.

**JUNG'S PSYCHOLOGY AND ITS SOCIAL MEANING**—Ira Progoff—*Julian Press*, 299 p., \$5.00. An interpretation of Jung's concepts and their significance for the social sciences.

**KIVA MURAL DECORATIONS AT AWATOWI AND KAWAIKA-A: With a Survey of Other Wall Paintings in the Pueblo Southwest**—Watson Smith—*Peabody Museum of American Archaeology and Ethnology*, 421 p., illus., paper \$7.50, cloth \$10.00. A description and analysis of the layouts, patterns, design elements and ceremonial significance of the murals.

**A NATURAL HISTORY OF WESTERN TREES**—Donald C. Peattie—*Houghton Mifflin*, 751 p., illus., \$6.00. The lore, romance, economic facts and guide to over two hundred kinds of trees in western North America.

**THE NATURAL SUPERIORITY OF WOMEN**—Ashley Montagu—*Macmillan*, 205 p., \$3.50. A plea for more mutual love and understanding, and complete social equality of the sexes.

**ORGANIZING FOR IMPROVED PRODUCTION AND COST CONTROL**—*American Management Association*, 68 p., illus., paper, \$1.25. Papers on "Organization of the Manufacturing Executive's Job," "Preventive Maintenance," "Maintenance Costs," etc.

**PATHS OF LONELINESS: The Individual Isolated in Modern Society**—Margaret M. Wood—*Columbia University Press*, 250 p., \$3.75. Shows how modern society creates lonesomeness, and analyzes isolating situations encountered by such groups as the aged, the single, the unemployed, etc.

**THE PHILOSOPHY OF NATURE**—Andrew G. Van Melsen—*Duquesne University Press*, 253 p., paper \$3.75, cloth \$4.50. Discusses the status and specific problems of the philosophy of nature and its relationship to science.

**THE PRIMITIVE CITY OF TIMBUCTOO**—Horace Miner—*Princeton University Press*, 295 p., illus., \$5.00. A sociological study of primitive urban life in this African city in which three well-differentiated racial strains live.

**PSYCHIATRIC TREATMENT**—Association for Research in Nervous and Mental Diseases—*Wil-*

*liams & Wilkins*, Vol. XXXI, 451 p., illus., \$9.00. Proceedings of the Association in a symposium at which some of the strengths, weaknesses and omissions in present-day psychiatric treatment were covered.

**THE PSYCHIATRIST AND THE LAW**—Winfred Overholser—*Harcourt, Brace*, 147 p., \$3.50. Considers the four main aspects of forensic psychiatry.

**RADIOISOTOPES IN INDUSTRY**—John R. Bradford, Ed.—*Reinhold*, 309 p., illus., \$8.00. Covers the many uses of radioisotopes, laboratory construction, shielding, personnel protection, handling techniques and radioactive waste disposal.

**REGISTER OF NEW FRUIT AND NUT VARIETIES, 1920-1950**—Reid M. Brooks and H. P. Olmo—*University of California Press*, 206 p., \$3.00. Information on origin, parentage and most valuable characteristics.

**THE RIVER HORSE**—Nina Ames Frey—*William R. Scott*, 150 p., illus., \$2.50. For children, this is the story of a danta, a little wild river horse native to Guatemala, and a young descendant of the Mayan Indians. Ages 10 up.

**SCIENTIFIC BOUNDARIES IN AIR POLLUTION STUDIES**—W. C. L. Hemeon—*Mellon Institute of Industrial Research*, 6 p., illus., paper, free upon request to publisher, 4400 Fifth Avenue, Pittsburgh 13, Pa.

**SOLITUDE AND PRIVACY: A Study of Social Isolation, Its Causes and Therapy**—Paul Halmos—*Philosophical Library*, 181 p., \$4.75. A study based on the assumption that isolation is a central issue in man's neurosis and material insecurity.

**STUDIES OF ARCTIC FORAMINIFERA**—Alfred R. Loeblich and Helen Tappan—*Smithsonian Institution*, Vol. 121, No. 7, 150 p., illus., paper \$2.00. Primarily a taxonomic study of Arctic fauna.

**THE THEORY OF HOMOGENEOUS TURBULENCE**—G. K. Batchelor—*Cambridge University Press*, 197 p., illus., \$5.00. Covers mathematical representation, kinematics, the general dynamics of decay, etc., in the field of homogeneous turbulence in fluids.

**TO LIVE AND TO WORK**—*American Heart Association*, 37 p., illus., paper, free upon request to publisher, 44 E. 23rd Street, New York 10, N. Y. This 1952 annual report indicates progress in the fight against heart disease.

**TRAINS ROLLING: Stories on Railroads at Home and Abroad**—H. A. McBride—*Macmillan*, 269 p., illus., \$5.00. For railroad enthusiasts, this concerns the smaller, important Eastern railroads, and the foreign systems of Spain, Western Germany and Morocco.

**TRILOBITES FROM THE LOWER CHAMPLAINIAN FORMATIONS OF THE APPALACHIAN VALLEY**—Byron N. Cooper—*Geological Society of America, Memoir* 55, 69 p., illus., \$1.75. Describes and illustrates 45 species of lower Middle Ordovician trilobites.

**YOUR GUIDE TO A GREENER LAWN**—Geoffrey S. Cornish—*Massachusetts Horticultural Society*, 63 p., illus., paper, 75 cents. Assists the home owner in solving his lawn problems.

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## HOUSES OF EARTH

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