

Books of the Week

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ALUMINUM FROM MINE TO SKY—June Metcalfe—*Whittlesey House*, 128 p., illus., \$2.50. History, processing and manufacture of this man-made, "new" metal.

THE BOOK OF NATURE HOBBIES—Ted Pettit—*Didier*, 280 p., illus., \$3.50. Study information and hints on many worthwhile collections and activities for outdoors.

CAVES OF THE UPPER GILA AND HUECO AREAS IN NEW MEXICO AND TEXAS—C. B. Cosgrove—*Peabody Museum of American Archaeology and Ethnology*, Vol. XXIV—No. 2, 181 p., collotype figures unpaginated, illus., paper, \$6.25.

THE CHEMISTRY AND TECHNOLOGY OF WAXES—Albin H. Warth—*Reinhold*, 519 p., illus., \$10.00. A convenient reference manual.

CONGENITAL MALFORMATIONS—Douglas P. Murphy—*Lippincott*, 2nd ed., 127 p., \$5.00. Study of parental backgrounds likely to lead to physical and mental abnormalities in offspring.

DIRECTORY OF COMMERCIAL AND COLLEGE LABORATORIES—Natl. Bur. of Stand., Misc. Publ. M187—*Govt. Printing*, 65 p., paper, 30 cents.

ENERGY UNLIMITED: The Electron and Atom in Everyday Life—Harry M. Davis—*Murray Hill*, 273 p., illus., \$4.00. New advances and inventions in applied physics which are affecting modern life.

EXCAVATION OF A YOKUTS INDIAN CEMETERY—Edwin F. Walker—*Kern County Historical Soc.*, 57 p., illus., paper, \$1.50.

FAMILY SKELETONS—David D. Whitney—*Univ. of Nebraska* 284 p., illus., \$4.00. Descriptions of about 250 abnormal and undesirable traits which appear to be heritable.

FATIGUE AND IMPAIRMENT IN MAN—S. Howard Bartley and Eloise Chute—*McGraw-Hill*, 429 p., \$5.50. The authors call attention to psychological as well as physiological aspects of fatigue.

GREAT MEN OF MEDICINE—Ruth Fox—*Random House*, 240 p., illus., \$2.50. The careers and discoveries of men who revolutionized medicine, from Vesalius to the present.

HIGH FREQUENCY MEASURING TECHNIQUES USING TRANSMISSION LINES—E. N. Phillips, W. H. Sterns, N. J. Gamara—*Rider Publ. Co.*, 58 p., paper, \$1.50.

INDUSTRIAL EXPERIMENTATION—K. A. Brownlee—*Chemical Publ. Co.*, 151 p., \$3.75. Statistical methods, applied to large-scale industry.

AN INTRODUCTION TO PALEOBOTANY—Chester A. Arnold—*McGraw-Hill*, 433 p., \$5.50.

AN INTRODUCTION TO PLANT ANATOMY—Arthur J. Eames and Laurence H. McDaniels—*McGraw-Hill*, 2nd ed., 427 p., illus., \$4.50. Fundamentals for a first course in botany.

LABORATORY CHEMISTRY—William E. Price—*World Book*, 133 p., illus., paper, 92 cents. Manual of experiments for high school.

MANUAL FOR PROCESS ENGINEERING CALCULATIONS—Loyal Clarke—*McGraw-Hill*, 438 p., \$6.00.

MANUAL OF QUANTITATIVE ANALYSIS—Donald R. Clippinger—*Ginn and Co.*, 339 p., \$3.50. Basic principles presented as a laboratory workbook.

MICHIGAN WILDLIFE SKETCHES—G. W. Brat and Charles E. Schafer—*Michigan Department of Conservation*, unpaginated, illus., paper, 25 cents. Profusely illustrated with sketches of Michigan's animal life.

MILK AND DAIRY PRODUCTS—Lincoln M. Lampert—*Chemical Publ. Co.*, 291 p., illus., \$7.00. Various aspects of dairy science, presented in non-technical language.

THE NAVAHO—Clyde Kluckhohn and Dorothy Leighton—*Harvard Univ.*, 258 p., illus., \$4.50. A timely study of the life, beliefs and language of a people for which President Truman has just asked Congress to provide.

PLYWOOD: What It Is—What It Does—Louis H. Meyer—*McGraw-Hill*, 250 p., illus., \$3.50. For engineers, architects, industrial designers and others.

PYROTECHNICS—George W. Weingart—*Chemical Publ. Co.*, 2nd ed., 244 p., illus., \$7.00.

RESEARCHES OF THE DEPARTMENT OF TERRESTRIAL MAGNETISM: Vol. VIII—Land and Ocean Magnetic Observations, 1927-1944—W. F. Wallis and J. W. Green—*Carnegie Inst.*, 243 p., paper, \$1.25; cloth, \$1.75.

RESEARCHES OF THE DEPARTMENT OF TERRESTRIAL MAGNETISM: Vol. XII—*Carnegie Inst.*, Publication 175, 397 p., paper, \$1.85. Part I covers "Ionospheric Research at College, Alaska: July, 1941-June, 1946;" Part II surveys "Auroral Research at College, Alaska: 1941-1944."

A STUDY OF THE FE'I BANANA AND ITS DISTRIBUTION WITH REFERENCE TO POLYNESIAN MIGRATIONS—L. H. MacDaniels—*Bernice P. Bishop Museum*, Bulletin 190, 56 p., pictures unpaginated, illus., paper, \$1.00.

SUCCESSFUL PART-TIME FARMING—Haydn S. Pearson—*Whittlesey House*, 322 p., illus., \$3.00. Tells what equipment is necessary, and which crops and crafts are adapted to part-time farming.

TECHNICAL AERODYNAMICS—Karl D. Wood—*McGraw-Hill*, 2nd ed., 472 p., illus., \$5.50. An advanced course, presupposing considerable background.

TERMINAL RESEARCH REPORTS ON ARTIFICIAL LIMBS: Covering the Period from 1 April 1945 Through 30 June 1947—Committee on Artificial Limbs, *National Research Council*, 95 p., illus., paper, free from publisher at: 2101 Constitution Ave., N. W., Washington, D. C.

TIME AND THERMODYNAMICS—A. R. Ubbelohde—*Oxford Univ.*, 110 p., \$2.25. The trend of events in time, as measured by the concept of entropy.

TUAMOTUAN RELIGIOUS STRUCTURES AND CEREMONIES—Kenneth P. Emory—*Bernice P. Bishop Museum*, Bulletin 191, 102 p., illus., paper, \$2.00.

ZACULEU: Restoration by United Fruit Company—*Middle America Information Bureau*, 31 p., illus., paper, free from publisher at: Box 93, Lenox Hill Station, New York 21, N. Y. Report on archaeological explorations and research on this Mayan community in Guatemala.

Science News Letter, December 20, 1947

BIOCHEMISTRY

Atom Explosion Does Not Affect Life on Bikini

See Front Cover

► A NAVY expedition to Bikini last summer found little change in the life of the island. Seemingly ignoring man's destructive weapon, the atom bomb, the giant man-killing clam on this week's cover of the SCIENCE NEWS LETTER is growing on a Bikini reef. The clam *tridacna*, is approximately two feet across and was photographed underwater. Few people have seen it alive; it is the dread of pearl divers because it is likely to clamp onto their leg, causing drowning. (See also p. 391 and SNL, Nov. 29).

Science News Letter, December 20, 1947

A giant healthy sponge found a few years ago in Tortugas had within it over 16,000 shrimp and thousands of lesser animals, all living on food in the water sucked in by the sponge to get food for itself.



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