

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. books in print, send a remittance to cover retail price (postage will be paid in U. S.) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

ACROSS THE SPACE FRONTIER—Joseph Kaplan and others—*Viking*, 147 p., illus., \$3.95. In this field, scientific possibility is more exciting than fiction. Here we learn what scientists plan for the future exploration of space.

AN AUTOBIOGRAPHICAL STUDY — Sigmund Freud, translated by James Strachey—*Norton*, 141 p., \$2.50. A new edition of a book that has been out of print for some years.

THE BIRTH AND DEATH OF THE SUN: Stellar Evolution and Subatomic Energy — George Gamow—*New American Library*, 219 p., illus., paper, 35 cents. Telling of the relation between events taking place on the sun and other stars and the threat of future war horrors on earth as well as the promise of better things in peacetime. Originally published by Viking.

THE CHEMISTRY AND CHEMICAL UTILIZATION OF BEECH — George J. Ritter — *Northeastern Forest Experiment Station*, 17 p., paper, free upon request of publisher, Upper Darby, Pa. In chemical make-up this wood is similar to birch and maple. Its ash makes a fertilizer especially useful for growing large potatoes.

DESIGN FOR THERAPY: An Investigation Into the Possibilities of Collaboration Between Psychiatrists and Architects in Developing Basic Information for Mental Hospital Design, Construction and Equipment — Proceedings of a Conference — *American Psychiatric Association*, 80 p., illus., paper, \$1.25.

EFFICIENCY OF CRITERIA OF STRESS IN TOXICOLOGICAL TESTS—Henry F. Smyth, Jr., and others—*Mellon Institute*, 5 p., paper, free upon request to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa.

THE EPIGENETICS OF BIRDS—C. H. Waddington—*Cambridge University Press*, 272 p., illus., \$7.00. Reviewing research tracing the origin of various parts of the chick in locations on the chick embryo and the cause of various abnormalities in injuries to appropriate parts of the embryos.

FELL'S UNITED STATES COIN BOOK—Jacques Del Monte—*Fell*, rev. ed., 127 p., illus., \$1.50. For hobbyists.

THE FORAMINIFERAL GENUS *TRIPLASIA* REUSS, 1854—Alfred R. Loeblich, Jr., and Helen Tappan

The Mathematics Magazine

bridges the gulf between ordinary interest in mathematics and research work.

Send \$3.00 for a Yr's Subs. and your choice of a semi-popular article on any one of the following subjects: **El.**, or **Adv.**, **Alg.**; **Trig.**; **Geom.**; **Analytic Geom.**; **Cal.**; **Topology**; **Infinite Series**; **Abstract Sets**, **Abstract Spaces and General Analysis**; et cetera (Inquire).

Address: **Mathematics Magazine Dpt. c**
14068 Van Nuys Blvd.
Pacoima, California

—*Smithsonian*, 61 p., illus., paper, 60 cents. The 37 species described include nine new ones. They are from strata ranging in age from Lower Jurassic to Recent.

FOUR LATE PREHISTORIC KIVAS AT POINT OF PINES, ARIZONA—Terah L. Smiley—*University of Arizona Press*, 72 p., illus., paper, 75 cents. Kivas were not believed to exist in this area until they were located through the type of vegetation growing there.

GEOLOGY AND WATER RESOURCES OF PRINCE GEORGES COUNTY—C. Wythe Cooke, Robert O. R. Martin and Gerald Meyer—*Maryland Board of Natural Resources*, 270 p., illus., paper \$1.00 cloth \$2.00. A report of particular interest to geologists and to residents of the District of Columbia and nearby Maryland.

HANDBOOK OF EMERGENCY DEFENSE ACTIVITIES—Federal Register Division—*Govt. Printing Office*, 119 p., paper, 30 cents. A directory of value to those engaged in the defense program or wishing to do business with those agencies.

HOW TO LIVE WITH HEART TROUBLE—Alton L. Blakeslee—*Public Affairs Committee*, 32 p., illus., paper, 25 cents. Reassuring guidance for heart patients telling them what they can and should not do.

INSIGHT INTO ASTRONOMY—Leo Mattersdorf—*Lantern Press and Sky Publishing Corp.*, 223 p., illus., \$3.50. The leader of an amateur astronomer's group writes this book for the layman or young persons interested in the wonders of the heavens.

THE LOST DISCOVERY: Uncovering the Track of the Vikings in America—Frederick J. Pohl—*Norton*, 346 p., illus., \$3.75. The Kensington runestone was the inspiration that led the author to hunt out the history and myth of the early Norse explorers of America.

MAN IN OUR CHANGING WORLD—Division of History and Anthropology, Los Angeles County Museum—*LACM Bookstore*, 36 p., illus., paper, 35 cents. Describing a museum exhibit giving the facts about race differences and likenesses.

METHODS OF APPLIED MATHEMATICS—F. B. Hildebrand—*Prentice Hall*, 523 p., \$7.75. Providing for the engineer or physicist techniques useful to them.

OPERATIVE NEUROSURGERY: With Emphasis on Procedures in Trauma—Elisha Stephens Gurdjian and John E. Webster—*Williams & Wilkins*, 422 p., illus., \$10.00. Giving surgeons pertinent anatomic, diagnostic and technical information for certain operative procedures for surgery on the head, spine, sympathetic nervous system and peripheral nerves.

PHYSICS FOR MODERN TIMES—Abraham Marcus—*Prentice-Hall*, 762 p., illus., \$4.90. A high-school text designed to give students, including those not planning to go to college, a better understanding of the world they live in.

PLAY WITH LEAVES AND FLOWERS—Millicent E. Selsam—*Morrow*, 64 p., illus., \$2.00. A book

for children describing plants that open and close their leaves, pop their seed pods or perform other actions.

A PROPOSED GOVERNMENT INCENTIVES, AWARDS AND REWARDS PROGRAM WITH RESPECT TO GOVERNMENT EMPLOYEES — Report of Interagency Working Committee on Incentives, Awards and Rewards—*Govt. Printing Office*, 27 p., paper, 15 cents. Report of a study developing out of the desire to give appropriate recognition to Government employees who have creative ideas.

THE RIGHT WAY TO PLAY CHESS—D. Brine Pritchard—*Emerson Books*, 237 p., illus., \$2.50. A clearly written book for beginners in this famous game.

THE RUTGERS FOOD SAVER—Walter A. MacLinn—*Rutgers University Press*, 127 p., \$2.95. Tables show in convenient form the best way to keep different kinds of food, the length of time it is safe to keep them, and how to tell whether they are unsafe to eat.

A SOURCE BOOK IN CHEMISTRY 1400-1900—Henry M. Leicester and Herbert S. Klickstein—*McGraw-Hill*, 554 p., illus., \$7.50. Original writings of famous chemists from Biringuccio and Agricola to Marie Curie.

SUN, MOON, AND PLANETS—Roy K. Marshall—*Holt*, 129 p., illus., \$2.50. A simply written book for laymen.

TAILORING AND DRESSMAKING MADE EASY—S. Palestrant—*Fell*, 159 p., illus., \$3.00. A book for beginners. Includes basic embroidery stitches and sections on the care and mending of clothing.

THE UNITED STATES AND THE INTERNATIONAL ORGANIZATIONS—Robert E. Summers, Ed.—*H. W. Wilson*, 194 p., \$1.75. Expressions of opinion by many prominent persons are here gathered from various magazines and newspapers to show the various thinking about UN, NATO and other international organizations.

UNITED STATES GOVERNMENT ORGANIZATION MANUAL 1952-53: Revised As of July 1, 1952—Federal Register Division—*Govt. Printing Office*, 742 p., paper, \$1.00. A directory of the complicated structure that is the United States Government.

WARWICK AND TUNSTALL'S FIRST AID TO THE INJURED AND SICK: An Advanced Ambulance Handbook—A. P. Gorham, Ed.—*John Wright & Sons (Williams & Wilkins)*, 19th Ed., 278 p., illus., \$1.50. A reference book for teachers and first-aid workers.

Science News Letter, September 27, 1952

GENERAL SCIENCE

Army Ordnance Research Office Backs 200 Projects

►SOME 200 basic research contracts, totaling more than \$2,400,000, have been made with universities by the Office of Ordnance Research of the Army during its first year of operation.

Intended to add to the store of the nation's scientific knowledge upon which the arms and the industry of the future will be based, the center is near Duke University, Durham, N. C.

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