

# 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.

ASTM STANDARDS ON TEXTILE MATERIALS (WITH RELATED INFORMATION): Specifications, Tolerances, Methods of Testing, Definitions and Terms—ASTM Committee D-13—*American Society for Testing Materials*, 761 p., illus., paper, \$5.75. Of the 118 standards and tentatives, 22 are new or revised since the previous edition.

THE AMERICANA ANNUAL 1956: An Encyclopedia of the Events of 1955—Lavinia P. Dudley and John J. Smith, Eds.—*Americana Corp.*, 866 p., illus., \$12.00. Topics are arranged in alphabetical order.

BACTERIAL ANATOMY: Papers to be discussed at Sixth Symposium of the Society for General Microbiology—E. T. C. Spooner and B. A. D. Stocker, Eds.—*Cambridge University Press*, 360 p., illus., \$6.00. Of interest to zoologists, botanists and anyone concerned with the relationship between bacteria and other living things.

BRYOZOA OF THE UNITED STATES NAVY'S 1947-1948 ANTARCTIC EXPEDITION, I-IV—Mary D. Rogick—*Smithsonian*, 97 p., 35 plates, paper, free upon request direct to publisher, Washington 25, D. C.

COLOR ATLAS OF ORAL PATHOLOGY—U. S. Naval Dental School—*Lippincott*, 188 p., illus. in color, \$12.00. A book of pictures with supplementary text presenting fundamental facts in concise form.

CURRENT ANTHROPOLOGY: A Supplement to Anthropology Today—William L. Thomas Jr., Ed.—*University of Chicago Press*, 377 p., cloth \$5.00, paper \$3.50. Nineteen contributed articles cover both new discoveries and theories developed by leaders in the field.

DEVELOPMENT, GROWTH, AND STATE OF THE ATOMIC ENERGY INDUSTRY: Part I—Hearings before the Joint Committee on Atomic Energy, Congress of the United States—*Govt. Printing Office*, 320 p., illus., paper, 75 cents.

AN ENCYCLOPEDIA OF THE CHEMICAL PROCESS INDUSTRIES—Jeffrey R. Stewart—*Chemical Publishing Co.*, 820 p., \$12.00 plus postage. A reference book on practical aspects of the chemical process industries, together with definitions of frequently encountered scientific and technical terms.

## MATH IS FUN

By Joseph Degrazia, Ph.D.

Here is a treasury of brain-teasers. You need not be a mathematical genius to solve these problems and puzzles. What you need is to know how to THINK LOGICALLY—how to REASON. This is practically a "course" in applied logic and reasoning—besides being an immense amount of fun that will keep you absorbed for many hours. You will find not only that MATH IS FUN, but also that learning math can be fun!

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EVERY OTHER BED—Mike Gorman—*World Publishing Co.*, 318 p., \$4.00. The executive director of the National Mental Health Committee tells what is happening to the mentally ill who fill "every other bed" in the nation's hospitals.

EXPANDING UNIVERSES—Erwin Schrodinger—*Cambridge University Press*, 93 p., illus., \$3.50. A brief course of lectures delivered to an advanced seminar group.

THE FIRST BOOK OF CAVES—Elizabeth Hamilton—*Franklin Watts*, 63 p., illus., \$1.95. Describing for children some of the wonders to be found in caves.

GENETICS: The Modern Science of Heredity—Edward O. Dodson—*Saunders*, 329 p., illus., \$6.50. Based on a course first given at the Dominican College, San Rafael, Calif., and later developed at Notre Dame.

GYPSUM IN KANSAS—Robert O. Kulstad, Paul Fairchild and Duncan McGregor—*University of Kansas, State Geological Survey Bulletin* 113, 110 p., illus., paper, 25 cents. Deposits are relatively extensive in Kansas and there is a growing demand for products made from it.

THE LARVAL TROMBICULID MITES OF CALIFORNIA (ACARINA: TROMBICULIDAE)—Douglas J. Gould—*University of California Press, Publications in Entomology* Vol. 11, No. 1, 115 p., illus., paper, \$2.00. You may know these creatures better under the name of chiggers.

THE LAWS OF NATURE—R. E. Peierls—*Scribner's*, 284 p., illus., \$4.50. Presenting the principles of modern physics in simple language and without assuming any previous knowledge of this field.

LIFE, THE GREAT ADVENTURE—Jean Rostand and Paul Bodin, foreword by Marston Bates—*Scribner's*, 228 p., \$3.50. A dialogue between a writer, also a scientist, who asks questions, and another writer, philosopher and scientist, who answers them.

METROPOLITAN GROWTH AND THE CONVERSION OF LAND TO NONAGRICULTURAL USES—Donald J. Bogue—*Scripps Foundation for Research in Population Problems and Population Research and Training Center*, 33 p., illus., paper, 60 cents. At present the fringes of metropolitan areas are being settled by persons from all social strata.

MODERN CHEMICAL PROCESSES: A Series of Articles Describing Chemical Manufacturing Plants, Volume IV—Editors of Industrial and Engineering Chemistry—*Reinhold*, 202 p., illus., \$5.00. Bringing to 88 the number of detailed descriptions of operating plants in the chemical process industries.

NEW CONCEPTS IN FLOWERING-PLANT TAXONOMY—J. Heslop-Harrison with a foreword by W. B. Turrill—*Harvard University Press*, 135 p., illus., \$1.25. Summarizing results of a great deal of modern research in the border areas of taxonomy, ecology and cytogenetics.

OUR SENSES AND HOW THEY WORK—Herbert S. Zim—*Morrow*, 64 p., illus., \$2.00. Interesting facts for children about the senses in man and also in lower animals.

POLICE DRUGS—Jean Rolin, translated with a foreword by Laurence J. Bendit—*Philosophical Library*, 194 p., \$4.75. Discussing the use in police work of various types of "truth serum" and other drugs.

THE PREVENTION OF CRUELTY TO CHILDREN—Leslie George Housden—*Philosophical Library*, 406 p., \$7.50. Describing the sad lot of neglected and abused children in the past and present, and anticipating better days in the future.

THE SEARCH WITHIN: The Inner Experiences of a Psychoanalyst—From the Works of Theodor Reik—*Farrar, Straus and Cudahy*, 657 p., \$7.50. Among the selections is an account of the author's 30 years with Freud.

THE SEXUAL RESPONSIBILITY OF WOMAN—Maxine Davis—*Dial*, 299 p., \$4.00. Telling women how to get the greatest joy out of marriage from the honeymoon to the later years. The author is a medical writer of books and magazine articles.

STATISTICS: A New Approach—W. Allen Wallis and Harry V. Roberts—*Free Press*, 646 p., illus., \$6.00. An attempt to bring liveliness into an ordinarily dull study.

STRESS, FIFTH ANNUAL REPORT 1955-56—Hans Selye and Gunnar Heuser, Eds.—*MD Publications*, 815 p., illus., \$20.00. A new volume of this important reference work.

SURVIVAL IN THE SKY—Charles Coombs—*Morrow*, 256 p., illus., \$3.75. Describing some of the stressful conditions faced by the pilot of the new high-speed, high-altitude airplanes, and the equipment intended to protect him.

VERTICAL SAND DRAINS FOR STABILIZATION OF EMBANKMENTS—Ray Webber and others—*Highway Research Board, Bulletin* 115, 52 p., illus., paper, 90 cents.

Science News Letter, April 28, 1956

## WILDLIFE

### Family Fish Ponds Gaining Popularity

► FAMILY-SIZED FISH ponds are gaining in popularity in the United States. Fish and Wildlife Service records show family fish ponds are found in 42 states.

Federal and state governments have encouraged private construction of fish ponds to relieve pressure on natural fishing areas. Last year the Fish and Wildlife Service provided more than 30,000,000 fish for approximately 28,000 non-commercial ponds.

The Federal Government and many states furnish the necessary fish for stocking, plus information on the management and development of ponds.

Fish and Wildlife Service reports show a one-acre pond can yield up to 200 pounds of fish a year. This, Fish and Wildlife authorities say, means 400 hours of good fishing.

Ponds of one to three acres make ideal fishing for an average family. Larger ponds cost more and require more management.

For best results, a small pond should be stocked only with hatchery fish of the kinds, sizes and numbers recommended by state or Federal biologists. Freely putting in wild fish will reduce the number and size of fish caught.

Ponds larger than three acres may give better results if opened to the public, since heavy fishing at the right time usually improves the sport.

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