

Books of the Week

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ADVANCES IN TRACER METHODOLOGY, Vol. 2—Seymour Rothchild, Ed.—Plenum Press, 319 p., illus., \$12.50. Newest developments in isotopically labeled tracers, their preparation, measurement and application.

AGING AND STABILIZATION OF POLYMERS—M. B. Neiman, Ed., transl. from Russian—Consultants, 365 p., \$25. In this systematic survey of research in polymer and polymer product deterioration and stabilization, 14 Soviet polymer specialists analyze current and proposed methods in combating deterioration processes.

ANIMAL LANGUAGE, BSCS Pamphlet 20—Nicholas E. Collias—AIBS (Heath), 36 p., illus., paper, 60¢; eight pamphlets per school year \$4. Zoologist describes and categorizes examples of animal communication and shows how with the help of sound spectrograph and tape recorder the scientific study of animal sounds is advancing.

ANIMAL TEETH—George F. Mason—Morrow, 96 p., illus. by author, \$2.75. An informative, well-illustrated book on mammal, fish and reptile teeth, for boys and girls.

BORES, BREAKERS, WAVES AND WAKES: An Introduction to the Study of Waves on Water—R. A. R. Tricker—Am. Elsevier Pub. Co., 250 p., color plates, photographs, diagrams, \$6.50. Gives the non-specialist an account of the tides, of river bores, Atlantic rollers, wakes caused by ships and waterfowl, and of reflections, giving explanations both in mathematical and experimental terms.

BUTTERFLIES OF THE SAN FRANCISCO BAY REGION—J. W. Tilden—Univ. of Calif. Press, 88 p., color plates, illus., paper, \$1.75. Information about treading specimen and description of the 122 species recorded in the area.

C. P. SNOW—Jerome Thale—Scribner, 160 p., \$3.50. A biographical and critical study of the lectures, essays and novels published by the British scientist and man of letters.

COLLECTED PAPERS ON ACOUSTICS—Wallace Clement Sabine, new introd. by Frederick V. Hunt—Dover, 279 p., illus., paper, \$2. Reprint of 1922 work by mathematician and recognized master of architectural acoustics.

CONCEPTS AND METHODS OF ARITHMETIC—Marvin C. Volpel—Dover, 352 p., diagrams, paper, \$2.25. Expanded version of work first published in 1960 under the title **FUNDAMENTAL CONCEPTS OF ARITHMETIC**.

DIRECT CREATIVITY with Attribute Listing—Robert P. Crawford—Fraser Pub. Co., 134 p., paper, \$2.45. An attempt to develop creativity based on methods developed at the University of Nebraska.

THE DOUBLEDAY FIRST GUIDE TO TREES—May Theilgaard Watts—Doubleday, 32 p., illus. by M. Bevans, \$1.50. Attractive identification guide to 25 common trees.

EARLY ENGINEERING REMINISCENCES (1815-40) OF GEORGE ESCOL SELLERS—Eugene S. Ferguson, Ed.—Smithsonian Inst. U.S. National Mus. (GPO), 203 p., illus., \$2.50. Describes the development of machines and mechanical skills in the United States during the first half of the 19th century.

ECOLOGY OF THE AFRICAN ELEPHANT, BSCS Pamphlet 21—Horace Quick—AIBS (Heath), 34 p., illus., paper, 60¢; eight pamphlets per school year \$4. Discussion based on field observations and mathematical analysis of the population dynamics in northern Uganda.

FOUNDATIONS OF THE THEORY OF ALGEBRAIC NUMBERS, Vol. I: Introduction to the General Theory. Vol. II: The General Theory—Harris Hancock—Dover, 602 p., 654 p., paper, \$2.75 each. Unabridged reprint of 1931 edition.

HANDBOOK OF PALEONTOLOGICAL TECHNIQUES—Bernhard Kummel and David Raup, Eds.—Freeman, 852 p., illus., \$18. An up-to-date and comprehensive sourcebook of field and laboratory techniques, with essays written by specialists, and bibliographies providing guide to the world literature.

HORSES OF LONG AGO—Dahlov Ipcar—Doubleday, 62 p., illus. by author, \$3.50. A colorful panorama of man's use of horses, for boys and girls.

HUMAN GENETICS, Vol. XXIX of The Cold Spring Harbor Symposia of Quantitative Biology, 1964—Leonora Frisch, Ed.—Cold Spring Harbor Laboratory, 492 p., illus., \$15. This 1964 interdisciplinary meeting dealt with the genetics of human populations, of human cells in culture, and of human proteins.

ILLNESS IN THE HOME: A Study of 25,000 Illnesses in a Group of Cleveland Families—John H. Dingle, George F. Badger and William S. Jordan, Jr.—Press of Western Reserve Univ., 398 p., \$8.50. An attempt to determine and define the behavior of illness and health in a selected and stable group of families over a period of years.

KINULI—Vera Chaplina—Walck, H. Z., 95 p., photographs, \$3. Story of a lion cub born in the Moscow Zoo, abandoned by its mother and raised by the author.

A LABORATORY TEXT FOR PHYSICAL SCIENCE: Pilot Edition—Fred T. Weisbruch and others—Heath, 282 p., illus., paper, \$2.76. Designed to fit into the ninth grade science curriculum, emphasizes method, ideas and student participation. Teacher edition with guide and answers also available.

LAPLACE TRANSFORMS: Theory and Problems—Murray R. Spiegel—Schaum Publishing Co., 261 p., paper, \$3.75. This outline of operational calculus includes 450 solved problems, designed as a supplement to standard texts.

MATH AND AFTERMATH—Scientists of the Westinghouse Research Laboratories, Robert Hooke and Douglas Schaffer, foreword by Frederick Mosteller—Walker & Co., 233 p., illus., \$5.95. Treats the application of mathematics to research problems, describing the process of creating models to bridge the gap between physical explorations and mathematical problems.

MIRRORS, PRISMS AND LENSES: A Text-Book of Geometrical Optics—James P. C. Southall—Dover, 806 p., illus., paper, \$3.50. Unabridged reprint of third edition (1933).

NO TURNING BACK—Poligaysi Qoyawayma (Elizabeth Q. White) as told to Vada F. Carlson—Univ. of New Mexico Press, 180 p., photographs, \$5. True account of a Hopi Indian girl's struggle to bridge the gap between the world of her people and the world of the white man.

OF HUMAN SOVEREIGNTY—Arthur Freud—Philosophical Lib., 341 p., \$6. Reflections on nationalism and national sovereignty.

OPTICAL ROTARY POWER—T. Martin Lowry—Dover, 483 p., diagrams, paper, \$2.75. Reprint (1935).

PATHWAY TO YOUR FUTURE: The Job Resume and Letter of Application—Kenneth R. Adler—Bellman Pub. Co., 33 p., paper, \$1.75. Helpful aid to job hunting.

PICTORIAL GUIDE TO THE PLANETS—Joseph H. Jackson—Crowell, 216 p., photographs, maps, diagrams, \$7.95. An up-to-date handbook for the layman and student, to aid his orientation among planets, moons, asteroids, meteors and comets.

PLANNING FOR COLLEGE: A Complete Guide to Selection, Admissions, Financing—Sidney Margolius—Avon Bks., 304 p., paper, 75¢. Practical, realistic and up-to-date information for students and parents.

PROGRAMMED LEARNING IN PERSPECTIVE: A Guide to Program Writing—C. A. Thomas and others, foreword by Lawrence M. Stolorow—Educational Methods (Aldine Pub. Co.), 183 p., diagrams \$7.95. Analyzes the uneven pattern of development

and offers teachers and beginning programmers a frame of reference for the interpretation of good program writing.

RANGER VII PHOTOGRAPHS OF THE MOON, Part II: Camera "B" Series—Jet Propulsion Laboratory, California Institute of Technology—NASA (GPO), 11"x14", 18 p. text, 200 plates, paper, \$6.50. Atlas of 200 moon photographs taken with the full-scan B camera.

REALITY THERAPY: A New Approach to Psychiatry—William Glasser, foreword by O. H. Mowrer—Harper, 166 p., \$3.95. Explains the theory of Reality Therapy and contrasts it with conventional treatment, then shows it in successful application to delinquent adolescents and psychotic patients in the hospital.

SCIENCE, THE NEVER-ENDING QUEST—William C. Vergara—Harper, 434 p., 155 diagrams by author, \$5.95. Without a great deal of mathematics, the author explains the high points in the growth of the exact sciences, showing how they relate to each other and to man's progress and needs.

SCIENTISTS AND SOUNDBREDS: A Book of Hoaxes—Robert Silverberg—Crowell, 251 p., illus. by J. Snyder, \$3.95. Tells a dozen stories about such hoaxes as the Kensington Stone and the Etruscan sculptures which the public was led to believe were genuine until evidence proved them false.

SPECIFICATION FOR THE IDENTITY AND PURITY OF FOOD ADDITIVES AND THEIR TOXICOLOGICAL EVALUATION: Emulsifiers, Stabilizers, Bleaching and Maturing Agents—Joint FAO/WHO Expert Committee on Food Additives—WHO (Internat'l Doc. Serv., Columbia Univ. Press), 189 p., paper, \$2. Seventh report, with monographs ranging from monosodium monophosphate to potassium bromate.

SPRING WILDFLOWERS OF THE SAN FRANCISCO BAY REGION—Helen K. Shanks—Univ. of Calif. Press, 192 p., color plates, illus., paper, \$2.25. A detailed guide to more than 300 species.

STRUCTURE AND ACTIVITY OF ENZYMES—T. W. Goodwin, J. I. Harris and B. S. Hartley, Eds.—Academic Press, 190 p., illus., \$6. Papers of the first symposium of the Federation of European Biochemical Societies, covering advances in ribonuclease, chymotrypsin, active sites and haemoglobin research.

SYMMETRY AND MAGNETISM—Robert R. Birss—Interscience, 252 p., diagrams, \$9.50. Monograph devoted to the explanation of spatial symmetry, time inversion, symmetry in space-time, magnetic properties of antiferromagnetic and of ferromagnetic materials.

TEILHARD DE CHARDIN: A Biographical Study—Claude Cuenot, transl. from French—Helicon, 492 p., 16 plates, \$9.75. Annotated biography of Father Teilhard, the Jesuit geologist and anthropologist, including 75-page French bibliography of his published works.

THE VOLGA: Lifeline of Russia—Elvrajan Hall—Rand McNally, 112 p., illus. by Emil Weiss, maps, \$3.95. A look at the Russians and the cities they built along the River Volga, for young readers.

YEARBOOK OF ASTRONOMY 1965—Patrick Moore, Ed.—Norton, 193 p., illus., \$4.50. Gives amateur astronomer a comprehensive picture of the astronomical events in the next eight months.

YOUNG EAGLE—Berniece Freschet—Scribner, unpagd., illus., \$3.25. Acquaints children with the life cycle of the Golden Eagle.

YOUR ALLERGIC CHILD—Herman Hirschfeld—Arc Bks., 142 p., illus., paper, \$1.45. Covers in simple language the field of pediatric allergy.

• Science News Letter, 87:236 April 10, 1965

Do You Know?

"Redundancy" in its space age use means the duplication of equipment to insure safety and reliability in completing a mission.


Since the end of World War II, average corn yields in the U.S. have doubled.

Asia produces and consumes more than 92% of the world's rice.

Increasing thirst, weight loss, unwarranted hunger and fatigue, eyesight changes and delayed healing of scratches and cuts may be symptoms of diabetes.

Fossil records show that primates disappeared from most of North America about the time the grass family began its most rapid evolution.

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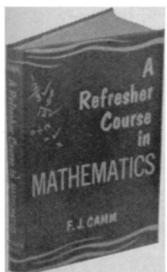


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