

Books of the Week

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ADVANCES IN HETEROCYCLIC CHEMISTRY, Vol. 2—A. R. Kapitzky, Ed., A. J. Boulton and J. M. Lagowski—Academic Press, 458 p., diagrams, \$14. Includes articles on recent developments in free-radical substitutions, in quinoxaline and isoxazole.

ALBERT EINSTEIN: Theoretical Physicist—Aylesa Forsee—Macmillan, 202 p., photographs, diagrams, \$4.95. Biography for students and the general reader.

ALL ABOUT HEREDITY—Judith Randal—Random House, 139 p., photographs, diagrams by Robert Demarest, \$1.95. Handsome book for young people, explains the framework of heredity and recent breakthroughs in genetics.

ALL ABOUT MAPS AND MAPMAKING—Susan Marsh—Random House, 143 p., maps, photographs, \$1.95. Excellent introduction to the subject, for boys and girls.

ALL ABOUT THE HUMAN MIND—Robert M. Goldenson—Random House, 142 p., photographs, diagrams, \$1.95. Tells in simple terms how the mind works.

ALL CREATURES GREAT AND SMALL—Daniel P. Mannix—McGraw, 241 p., photographs, \$5.95. Personal experiences of friendship between man and animals.

AMERICAN EDUCATION, A NATIONAL FAILURE: The Program of Our Schools and What We Can Learn From England—H. G. Rickover—Dutton, 502 p., \$3.50; paper, \$1.95. Concerned with a higher national standard for our children's education.

BASIC ELECTRONIC TEST INSTRUMENTS: Their Principles of Operation—Rufus P. Turner—Holt, rev. ed., 297 p., illus., \$8. Updated text includes advances in the field since 1958.

BRICK AS AN ELEMENT OF DESIGN—Gerd Zimmerschied, transl. from German—Interbuch Berlin (Renouf Pub. Co.), 190 p., photographs by Heinz Gaertner and others, \$9.50. Illustrates in buildings and in detail the most effective contemporary uses of this building material in Europe, Mexico and Australia.

THE CHANGING CONCEPT OF THE UNIVERSE—Aligarh Muslim University Program of Readings—Asia Pub. House (Taplinger), 108 p., diagrams, \$4.75. Selection of readings ranges from Lucretius to Fred Hoyle.

CLASSIFICATION OF THE ANIMAL KINGDOM—Richard E. Blackwelder—Southern Ill. Univ. Press, 94 p., \$7. Simplified and complete lists of phyla, classes and orders, notes on the taxa and index to common and Latin names.

CLINICAL TOXICOLOGY OF COMMERCIAL PRODUCTS: Acute Poisoning (Home & Farm)—Marion N. Gleason, Robert E. Gosselin and Harold C. Hodge—Williams & Wilkins, 2nd ed., 1,198 p., \$22. Authoritative and up-to-date handbook, with sections on general emergency treatment, indexes of ingredients,

therapeutics, trade names, general formulations, manufacturers index, and classification of poisons.

CONSTRUCTIVE ASPECTS OF ANXIETY—Seward Hiltner and Karl Menninger, Eds.—Abingdon Press, 173 p., \$3.50. Working papers of an interdisciplinary discussion by clergymen and psychiatrists probing the positive aspects of anxiety.

DIRECTORY OF SELECTED SCIENTIFIC INSTITUTIONS IN THE U.S.S.R.—Batelle Memorial Institute—Merrill, 1,216 p., \$14.75. Commissioned by the National Science Foundation, directory lists information on 1,180 Soviet scientific institutions, 6,000 research subjects and 8,000 Russian scientists. Includes articles on the administration of science and technology in the U.S.S.R.

EARTH, MOON AND PLANETS—Fred L. Whipple—Harvard Univ. Press, rev. ed., 278 p., photographs, diagrams, \$6.50. Presents for the layman in nontechnical and readable style the latest information on the solar system.

THE EFFECTS OF ULTRASOUND ON THE KINETICS OF CRYSTALLIZATION—A. P. Kapustin, transl. from Russian—Consultants, 65 p., illus., paper, \$12.50. For specialists in the nucleation, growth and dissolution of crystals.

ELEMENTS OF GENERAL TOPOLOGY—D. Bushaw—Wiley, 166 p., diagrams, \$6.95. Brief introduction to the theory of topological and uniform spaces and their transformations.

EXPERIMENTS WITH DRUGS: Studies in the Relation Between Personality, Learning Theory and Drug Action—H. J. Eysenck, Ed.—Pergamon Press, 421 p., \$15. Reports on a series of experiments designed to test a theory linking certain behavior effects with the depressant and stimulant drugs.

FINS AND TAILS: A Story of Strange Fish—Elizabeth A. Campbell—Little, 60 p., illus. by Leonard Weisgard, \$3. For young children.

THE FIRST BOOK OF WILDLIFE SANCTUARIES—C. William Harrison—Watts, F., 61 p., photographs, maps, \$2.50. About our vanishing wildlife and the various kinds of wildlife refuges.

FORESTERS AND WHAT THEY DO—John Perry and Jane Greverus Perry—Watts, F., 182 p., \$3.95. A career guide to the various professions in forestry.

GUIDE TO MODERN ARCHITECTURE—Reyner Banham—Van Nostrand, 159 p., photographs, \$6.75. Depicts and discusses important modern buildings as examples of the creative skill of man in each particular situation.

A GUIDE TO SAN FRANCISCO AND THE BAY REGION—James Benet—Random House, 498 p., 15 maps, paper, \$1.95. A detailed guidebook covering the area including Berkeley, Palo Alto and Monterey Peninsula.

GYROSCOPES: What They Are and How They Work—James C. Sparks Jr.—Dutton, 91 p., photographs, diagrams by Denys McMains, \$3.50. For young people.

HIGH SCHOOL BIOLOGY: BSCS Green Version—Biological Sciences Curriculum Study, AIBS—Rand McNally, 749 p., illus., \$7.20. Secondary school biology course stressing the ecological approach; text is the result of cooperation between research biologists and high school teachers, fully revised after several years of trial editions.

A HOUND, A BAY HORSE AND A TURTLEDOVE: A Life of Thoreau for the Young Reader—James Playsted Wood—Pantheon Bks., 174 p., illus. by Douglas Gorsline, \$3.75. A handsome gift book.

HUMAN AGING: A Biological and Behavioral Study—James E. Birren and others, Eds.—PHS (GPO), 328 p., \$3. Presents the efforts of 22 clinical investigators and the results of research primarily directed toward the understanding of the aging experience and the processes it involves.

THE HUMAN CRISIS—Julian Huxley—Univ. of Wash. Press, 88 p., \$2.95. Comments on the world population problem and the need for scientific studies concerned with man's potentialities and their realization.

ISA TRANSDUCER COMPENDIUM—Emil J. Minnar, Ed., with P. A. Rechione—Instrument Society of America (Plenum Press), 567 p., \$25.

EXPLORE THE SKIES!

COLOR MAP OF THE NORTHERN HEAVENS: 30"x34 1/2" shows stars to magnitude 5.1. \$1.00
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 SKY AND TELESCOPE Cambridge 38, Mass.

Presents readily accessible transducer reference source on performance data, with descriptive chapters on the state of the art with respect to each of the variables.

THE IMPACT AND IMPROVEMENT OF SCHOOL TESTING PROGRAMS: The Sixty-Second Yearbook of the National Society for the Study of Education, Part II—Warren G. Findley, Ed.—Univ. of Chicago Press, 304 p., \$4.50. Presents materials in the form of recommendations with supporting arguments based upon research and practice.

IN THE BEGINNINGS: Early Man and His Gods—H. R. Hays—Putnam, 575 p., photographs, maps, \$10. Recreates the religious world of primitive man in all five continents, from Paleolithic Europe to contemporary Oceania.

JET-STREAM METEOROLOGY—Elmar R. Reiter—Univ. of Chicago Press, 515 p., illus., \$17.50. A reference book dealing with the theory of the wind field, methods of upper-level wind measurement, jet stream analysis, the forecasting of jet streams, their relation to weather, climate and aeronautics.

JOSIAH W. GIBBS: American Theoretical Physicist—Benedict A. Leiberger Jr.—Watts, F., 118 p., illus., \$2.95. Biography for young people.

THE KITE THAT WON THE REVOLUTION—Isaac Asimov—Houghton, 148 p., illus. by Victor Mays, \$3. Moving from scientific to political history, author builds an interesting case for Benjamin Franklin's crucial role in winning the American Revolution.

THE LAWS OF PHYSICS—Milton A. Rothman—Basic Bks., 254 p., diagrams, \$4.95. An authoritative introduction to the laws of conservation of energy and of momentum, the laws of relativity, probability and quantum physics, written by research physicist for the nonspecialist.

MAMMALS AND HOW THEY LIVE—Robert M. McClung—Random House, 83 p., photographs, \$1.95. For young children.

READER'S DIGEST GREAT WORLD ATLAS—Charles B. Hitchcock and Frank Debenham, Eds.—Reader's Digest Assn., 232 p., illus., maps, \$17. A family atlas with space and relief maps of the earth, maps of the U.S. and other world regions, articles on geology, explorations and population.

THE RISE AND FALL OF THE DINOSAURS—Anthony Ravielli—Parents' Magazine Press, unpagged, illus. by author, \$2.75. Beautifully illustrated story of the Age of Reptiles, for young boys and girls.

THE ROCKS REMAIN—Gavin Maxwell—Dutton, 209 p., photographs, \$4.95. A sequel to "Ring of Bright Water," tells about life in the Scottish Highlands, in North Africa and Majorca.

SCIENCE MARVELS OF TOMORROW—William H. Crouse—McGraw, 192 p., illus. by Dabney Mahanes, \$3.50. Informed speculations about future applications of such developments as lasers, computers, space communication, and new surgical techniques.

SCIENTIFIC ACTIVITIES FROM A TO Z—Helen J. Chaland and Elizabeth R. Brandt—Childrens Press, 221 p., illus. by Herb Ruud, \$5.50. Describes some 375 elementary experiments, from testing light absorption to watching a zygote.

SMOKE SCREEN: Tobacco and the Public Welfare—Maurine B. Neuberger—Prentice-Hall, 151 p., illus., \$3.95. A U.S. Senator examines the controversial relationship between cigarette smoking and health.

SNAKES—H. W. Parker—Norton, 191 p., photographs, \$5.95. Zoologist presents a rational picture of snakes as creatures competing in a great variety of ways in various environments and among many enemies.

SUBMARINE GEOLOGY—Francis P. Shepard with chapters by D. L. Inman and E. D. Goldberg—Harper, 2nd ed., 557 p., illus., folded chart of the world, \$11.50. Rewritten and expanded edition, incorporates new data of recent explorations, marine geochemistry and marine sedimentation.

SYMBOL, STATUS AND PERSONALITY—S. I. Hayakawa—Harcourt, 188 p., \$4.50. Collection of writings by well-known semanticists, challenges the reader to pay closer attention to the meaning of words.

THE TECHNOLOGY OF URBAN TRANSPORTATION—Donald S. Berry and others—Transportation Center, Northwestern Univ., 145 p., diagrams, \$6. Information on capacity, performance, costs and ranges of different types of facilities, and on their capabilities and best combinations for different types of metropolitan areas.

THIN LAYER CHROMATOGRAPHY—James M. Bobbitt, foreword by J. G. Kirchner—Reinhold, 208 p., illus., \$8.50. Detailed discussion of experimental techniques, procedures, types and various binders, listing reagents with specific directions for preparation.

THE TREATMENT OF RADIATION INJURY: Report of Subcommittee—Frederick Stohlman Jr., Chmn.—NAS-NRC, 23 p., paper, \$1 direct to Nat. Acad. of Sciences, 2101 Constitution Ave., Washington 25, D. C. Based on the most recent and authoritative information available.

WATER AND ITS IMPURITIES—Thomas R. Camp—Reinhold, 355 p., diagrams, \$18. Presents fundamental scientific information on the physical, chemical and biochemical properties of water and its impurities, making possible a rational evaluation of water quality problems.

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