

Books of the Week

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AS I LIVE AND BREATHE—Kenneth Kingery—Grosset & Dunlap, 253 p., \$3.95. The personal history of a man paralyzed by polio who did not let the physical handicap imprison his mind or keep him from leading a useful life.

ATTITUDES: Selected Readings—Marie Jahoda and Neil Warren—Penguin Bks., 375 p., paper, \$1.95. Excerpts from important studies on the concept of attitude, on research in attitudes, and on theory and methodology.

COMPARATIVE OSTEOLOGY OF THE SNAKE FAMILIES TYPHLOPIDAE AND LEPTOTYPHLOPIDAE—James Carl List—Univ. of Ill. Press, 112 p., illus., \$4.75; paper, \$3.75. Study of two families of small, burrowing snakes found in both tropical forest and semi-desert conditions.

COPYING METHODS MANUAL—William R. Hawken—Library Technology Program, A.L.A., 375 p., illus., \$15. Reports on a comprehensive study of processes that can be used to copy library materials and documents, with tables showing characteristics of the process and its suitability for reproducing various kinds of materials.

DRUG ADULTERATION: Detection and Control in Nineteenth-Century Britain—Ernst W. Stieb with Glenn Sonnedecker—Univ. of Wis. Press, 335 p., illus., \$7.50. Detailed study of the period from 1820, when the problem of drug adulteration and its possible detection through science and technology were first publicized by a Treatise on Adulterations in Great Britain, to 1906, when the United States enacted its first Pure Food and Drug Law.

THE EARTH—Carl O. Dunbar—World Pub. Co., 252 p., photographs, 32 plates, diagrams, maps, \$12.50. Presents in nontechnical language for layman and nonspecialist a comprehensive treatment of the earth as an environment of life, dealing with time, the universe around us, hydrosphere and atmosphere, origin and formative stages of the earth, climates, magnetic fields and life's record in rocks.

EXPERIMENTS IN VISUAL PERCEPTION: Selected Readings—M. D. Vernon, Ed.—Penguin Bks., 443 p., illus., paper, \$1.95. Reviews four central topics in the psychology of vision—the perception of form, space and distance, "constancy" phenomena, and movement, showing the exact manner in which experiments have been performed.

EXPLORING PACIFIC COAST TIDE POOLS—Vinson Brown—Naturegraph, 56 p., 40 color plates by Ernest Braun, drawings, paper, \$1.95. Field guide for identifying forms of life where the rocky shore is washed by the waters of the Pacific.

A FIELD GUIDE TO SHELLS of the Pacific Coast and Hawaii including Shells of the Gulf of California—Percy A. Morris—Houghton Mifflin, 2nd rev. ed., 297 p., 72 plates, \$4.95. Completely rewritten reference work, describes 945 species of shells, illustrated with 1396 photographs, 83 in full color.

FUEL CELL SYSTEMS: Symposia sponsored by the Division of Fuel Chemistry of the American Chemical Society, 1963 and 1964—George J. Young and Henry R. Linden, Chmn., Robert F. Gould, Ed.—Am. Chemical Soc., 360 p., illus., \$8. Papers cover such topics as fuel cells for submarines and satellites, porous electrodes, hydrogen-bromine fuel cells and solid-electrolyte fuel cells.

GROWING UP WITH CHILDREN—Maria W. Piers—Quadrangle Bks., 273 p., \$5.95. Pediatric psychiatrist offers parents explanations about their own attitudes toward children and why they react in certain ways to their children's problems.

HOW WE GOT OUR FLOWERS—A. W. Anderson—Dover, 283 p., illus., paper, \$1.75. Reprint (1951), about the origins, travels and development of such flowers as carnations, lilac, poppies and many others.

IAEA LABORATORY ACTIVITIES—International Atomic Energy Agency (Internat'l Pubns., N.Y.), 3rd ed., 157 p., \$1. Describes work done in 1965 at the Agency's four laboratories in Austria, Monaco, Trieste and Cairo.

THE JOB FINDER: It Pays to Advertise—S. Norman Feingold—Bellman, 37 p., paper, \$2.25. Contains career description key, list of 377 trade and professional journals, outlines the answering procedure, resume, job letter and situation wanted ad.

JOHN DALTON AND THE ATOM—Frank Greenaway—Cornell Univ. Press, 244 p., 10 plates, \$6.95. Biography focusing on the importance of the 18th century British scientists's discoveries.

KNOW YOUR RIVERS OF THE WORLD—Philip S. Egan—Rand McNally, 80 p., photographs, maps, \$1.95. Describes the geography and history of the more important rivers of Europe, Asia, Africa, Australia, South and North America.

LANGLEY: Man of Science and Flight—J. Gordon Vaeth—Ronald Press, 117 p., illus., \$4.50. Tells the story of the American whose name was given to a scientific unit of measurement, the first U.S. aircraft carrier, a flying field and a major NASA research center.

LIGHT AND VISION—Conrad G. Mueller, Mae Rudolph and the Editors of LIFE—Time-Life Bks. (Silver-Burdette) 200 p., photographs, diagrams, \$4.95. Tells what science has learned about light and vision with the help of striking illustrations.

LIVING ISLAND—Evelyn M. Richardson—Ryerson Press, 216 p., \$4.95. Observations of sea, season, birds and wild flowers on a small Nova Scotia island whose only human inhabitants lived in the lighthouse.

MAINTENANCE ENGINEERING HANDBOOK—L. C. Morrow, Ed.—McGraw, 2nd ed., 1856 p., 1203 illus., \$30. Provides thorough coverage of management techniques and new engineering techniques for maintaining most types of service equipment in the manufacturing industries.

MATHEMATICAL ENTERPRISES FOR SCHOOLS—A. J. Cameron—Pergamon Press, 190 p., illus., \$4.50. Shows ways to make routine arithmetic interesting to young students through gummed paper work, nets and solids, ways with curves, teaching aids, calculators and topics for investigation.

MINERALS YEARBOOK 1964, Vol. IV of Four Volumes: AREA REPORTS: International—Bureau of Mines Staff—GPO., 1350 p., \$5. Portrays international mineral industry events on a country-by-country basis.

NATURE'S MEDICINES: The Folklore, Romance and Value of Herbal Remedies—Richard Lucas, foreword by Harry Benjamin, M.D.—Parker Pub. Co., 224 p., \$5.95. Modern herbalist reports on the uses man has made all over the world of certain roots, plants, barks and seeds that possess medicinal properties.

THE PARK AND THE TOWN: Public Landscape in the 19th and 20th Centuries—George F. Chadwick—Praeger, 388 p., photographs, plans, \$16.50. Shows the development of public gardens and parks, starting with Victorian England, the parks of London and Paris, and discussing in detail the American park movement from Central Park to Long Beach Marina, California.

PETS FOR PENNIES—Joy O. I. Spoczynska—Hawthorn Bks., 159 p., photographs, illus. by J. S. Adams, \$3.95. A biology teacher tells how children can house, feed and keep in good health pet rabbits, frogs and toads, guinea pigs, hamsters, raccoons, birds and turtles.

THE PHYSIOLOGY AND BIOCHEMISTRY OF MUSCLE AS A FOOD—E. J. Briskey, R. G. Cassens and J. C. Trautman, Eds.—Univ. of Wis. Press, 437 p., illus., \$8.50. Based on the proceedings of an interdisciplinary symposium (1965), reviewing the latest research in meat science, muscle structure and development, hormonal and nutritional effects on muscle, and postmortem changes in muscle.

PSYCHIATRIC RESEARCH AND THE ASSESSMENT OF CHANGE: Formulated by the Committee on Research—Robert Wallerstein, Chmn.—Group for the Advancement of Psychiatry, 130 p., paper, \$2.50. A book for professionals on methodology.

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THE ROMANCE OF PHYSICS—Keith Gordon Irwin—Scribner, 240 p., illus., by Anthony Ravielli, \$4.95. Attractively presented short history of physics, describes for young people the important theories and experiments through the stories of the investigators.

SEA RESCUE—Gardner Soule—Macrea Smith, 206 p., photographs, \$4.50. True stories of dramatic sea rescues with information about the most modern techniques and equipment used.

THEORY OF SELF-REPRODUCING AUTOMATA—John von Neumann, edited and completed by Arthur W. Burks—Univ. of Ill. Press, 388 p., diagrams, \$10. The late John von Neumann's conception of and last work on the theory of automata, edited from two unfinished manuscripts in which he viewed the theory as a coherent body of concepts and principles concerning the structure and organization of both natural and artificial systems, the role of language and information in such systems, and their programming and control.

TITANIUM: Its Occurrence, Chemistry and Technology—Jelks Barksdale—Ronald, 2nd ed., 691 p., diagrams, \$20. New edition emphasizes the more important recent pigment and metal developments, together with new studies of ore deposits and advances in the chemistry of titanium.

ULRICH'S INTERNATIONAL PERIODICALS DIRECTORY: First Annual Supplement—Marietta Chicorel, Ed.—Bowker, 11th ed., 110 p., \$6.95. Updates the information in the two current volumes of the 11th edition of ULRICH'S classified guide to periodicals, foreign and domestic.

THE UNITED KINGDOM: A New Britain—Marian Moore—Nelson, Th., 224 p., photographs, map, \$3.50. A look at contemporary Britain and its people, for the young adult.

WHEN AMERICANS COMPLAIN: Governmental Grievance Procedures—Walter Gellhorn—Harvard Univ. Press, 239 p., \$3.95. An extended form of the Oliver Wendell Holmes Lectures in 1966, surveys the problem of confining public administration without crippling it, the part of Congress, state and local governments, revealing shortcomings and proposing steps for overcoming them.

WINDOW ON THE UNKNOWN: History of the Microscope—Corinne Jacker—Scribner, 188 p., photographs, illus. by Mary Linn, \$3.95. Discusses microscope construction, the various early discoveries and important developments up to the age of specialization.

YOUR SCIENCE FAIR: An Opportunity for Youth. A Guidebook to Successful Science Exhibits—Arden F. Welte, James A. Dimond and Alfred E. Friedl—Burgess, 3rd ed., 162 p., illus., paper, \$3.25. Describes the why, what and how of the science fair, sample projects, methods and information sources.

ADVENTURE WITH FLOWERS—Elizabeth T. Billington—Warne, F., 60 p., illus. by Arnold Dobrin, \$2.95. Shows children how interesting the systematic study of flowers can be.

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