

Books of the Week

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PROGRAMS AND SERVICES: U. S. Department of Health, Education and Welfare—GPO, 374 p., paper, \$2. Description of the functions of the operating agencies and detailed listing of their more than 200 separate programs.

THE QUINTESSANCE OF IRVING LANGMUIR—Albert Rosenfeld—Pergamon, 369 p., portrait, paper, \$4.50. Highly readable biography describing enough of the scientist's work to convey to the nonscientist the nature of his achievement.

RESIDUE REVIEWS, Vol. 16—Francis A. Gunther, Ed.—Springer-Verlag, N.Y., 158 p., \$7.40. Provides critical reviews of research on residues of pesticides and other foreign chemicals in foods and feeds.

REVIEW OF RESEARCH ON LATERITES—R. Maignien—UNESCO (Unesco Pubns. Center, N.Y.), 148 p., 8 plates, diagrams, paper, \$5. A monograph on the morphological and analytical characteristics of laterites, their global distribution, origin, classification and utilization.

REVIEW OF CHILD DEVELOPMENT RESEARCH, Vol. 2—Lois Wladis Hoffman and Martin L. Hoffman, Eds.—Russell Sage Foundation, 598 p., \$8. Prepared under the auspices of the Society for Research in Child Development, collated and interpreted especially for the general practitioner working with children.

ROTIFERS—Josef Donner, transl. from German by H. G. S. Wright; foreword by A. L. Galliford—Warne, F., 80 p., illus., \$3.95. A work of value to beginners as a guide to the microscopic study of the diversity of habits and the identification of the genera of rotatoria.

SCIENCE POLICY AND ORGANIZATION OF RESEARCH IN NORWAY—Per Kleppe and others—UNESCO (Unesco Pubns. Center, N.Y.), 100 p., diagrams, paper, \$1.50. A monograph presenting historical outline, administrative structures and financing of scientific research in Norway, the training and utilization of personnel, and Norwegian research policy.

SCIENCE YEAR: The World Book Science Annual 1966—William H. Nault, Edit. Dir.—Field Enterprises Educ. Corp., 443 p., illus., \$6.95 direct to publisher, 510 Merchandise Mart Plaza, Chicago, Ill. 60654. Features essays and special reports on outstanding advances in science such as the photographs of Gemini space flights and a transvision-illustrated case history of a heart attack. Reviews major events in all fields of science, and includes biographies of men of science and awards.

SEASHORE PLANTS of Northern California. SEASHORE PLANTS of Southern California—E. Yale Dawson—Univ. of Calif. Press, 103 p., 101 p., color plates, illus., paper \$1.75 each. Excellent regional field guides to algae and sea grasses.

THE SEARCH FOR ORDER, 1877-1920—Robert H. Wiebe—Hill & Wang, 333 p., \$5.75. Sociological analysis of an era in U.S. history, offering new interpretations.

SEXUAL ADJUSTMENT IN MARRIAGE—Richard H. Klemmer and Margaret G. Klemmer—Public Affairs Committee, 28 p., illus., paper, 25¢ direct to publisher, 381 Park Ave. S., New York 10016. Sound and sensitive discussion of conditioning, communication and normal behavior.

SPEAKING WILDLY—Jack Denton Scott—Morrow, 289 p., illus. by Lydia Rosier, \$5.95. Observations of wild animals, from peacock and shrew to hyena and tiger.

STRENGTH UNDER HIGH TRANSIENT LOADS—Kh. A. Rakhmatulin and Yu. A. Dem'yanov, transl. from Russian—IPST (Davey,

D.), 342 p., illus., \$14. Attempts to give the essence of certain theoretical and experimental investigations related to the problem of dynamic strength.

SUPPLEMENT TO SMITH'S MARINE ALGAE OF THE MONTEREY PENINSULA—George J. Hollenberg and Isabella A. Abbott—Stanford Univ. Press, 130 p., illus., map, \$3.50. Includes 259 entries, emphasis is upon describing genera and species new to the Monterey algal flora, and on noting changes in nomenclature.

TELESCOPES: How to Make Them and Use Them—Thornton Page and Lou Williams Page, Eds.—Macmillan, 338 p., 120 illus., \$7.95. Covers the history, theory and practice of the art of telescope making, of particular interest to the amateur astronomer.

TIME—Samuel A. Goudsmit, Robert Clairborne and the Editors of LIFE—Time-Life Bks., 200 p., illus., 72 p. in full color, \$3.95 direct to publisher, Time & Life Bldg., Chicago, Ill. 60611. Discusses time as a measurable phenomenon, biological clocks, ancient calendars, measuring what the eye cannot see, relativity and other aspects of time.

TOOLS, SHAPERS OF CIVILIZATION—Arnulf K. Esterer—Messner, 191 p., 16 plates, \$3.95. Deals with the development of man's inventions from early stone tools to photomicrographic cameras.

UNDERSTANDING EVOLUTION—Herbert H. Ross—Prentice-Hall, 175 p., illus., \$4.95. Explains the processes that have led to the increasing complexity of life, shows with a minimum of technical terms the interplay of various causal factors in the course of evolution, such as mutation, species fission, and climatic and topographic changes of the earth.

VIEWPOINTS FOR THE STUDY OF THE ADMINISTRATION OF HIGHER EDUCATION—Harold W. Stoke—CASEA, Univ. of Ore., 40 p., \$1 direct to publisher, Eugene, Ore. 97403. Monograph identifies and explores the complex problems faced by administrators and suggests areas for research.

VIEWS OF AMERICA—Alan F. Westin, Ed.—Harcourt, 375 p., \$6.50. Collection of foreign commentaries on American life, with historical and contemporary reactions of Americans to the sources and meaning of foreign commentary.

THE WAY OF THE SCIENTIST: Interviews from the World of Science and Technology—Selected and annotated by the Editors of International Science and Technology, introd. by Robert Colborn—Simon & Schuster, 382 p., photographs, diagrams, \$8.95. Intimate and thoughtful conversations with eminent scientists, revealing their ways of thinking, their working methods, public concern and opinions.

A WORLD OF NUCLEAR POWERS—The American Assembly, Alastair Buchan, Ed.—Prentice-Hall, 176 p., \$3.95. Informed discussion of the problems of proliferation of nuclear weapons within the context of international relations.

ALUK: An Alaskan Caribou—Robert H. Redding—Doubleday, 107 p., illus. by Kiyooki Komoda, \$2.95. For young boys and girls.

THE BOYS' BOOK OF MODERN CHEMICAL WONDERS—Frank Giffin with Ewald Osers—Roy Pubs., 128 p., photographs, \$3.95. Describes some of the key discoveries of previous centuries, but mainly 20th century applications of research in chemistry.

EXPLORING SOLAR ENERGY—Raymond A. Wohlrahe—World Pub. Co., 94 p., photographs, diagrams, \$3.75. For boys and girls.

PUSH AND PULL: The Story of Energy—Paul Blackwood—McGraw, rev. ed., 192 p., illus. by William D. Hayes, \$3.95. For young people, revision includes new discoveries in the field of energy.

Textbooks

BASIC PRINCIPLES AND LAWS OF MECHANICS—Alfred Zajac—Heath, 417 p., diagrams, \$10.50. Text for advanced undergraduate and first-year graduate students, assumes familiarity with differential and integral calculus.

INTRODUCTORY ANALYTICAL CHEMISTRY—Alexander I. Popov and Ronald T. Pflaum—Heath, 310 p., illus., \$6.50. Text deals with principles and laboratory practice, may serve either for quantitative analysis in the freshman general chemistry course or for a one-semester quantitative analysis course.

PRINCIPLES OF IDEAL-FLUID AERODYNAMICS—Krishnamurty Karamcheti—Wiley, 636 p., illus., \$20. This first-year graduate text explains the principles and theoretical methods of the motion of an inviscid incompressible fluid, and develops the topic as a branch of theoretical physics.

PROBLEMS IN DIFFERENTIAL EQUATIONS—J. L. Brenner—Freeman, 2nd ed., 172 p., diagrams, paper, \$2.50. Adapted from the Russian book by A. F. Filippov, it is designed as an adjunct text for elementary and intermediate courses.

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