

# books OF THE WEEK

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**IN THE SCIENCE MUSEUM**—John van Riemsdijk—HMSO (Brit. Inform. Services, N.Y.), 1968, 128 p., illus. by Paul Sharp, paper, \$1.50. Description of developments in science and technology as illustrated by the exhibits in the Science Museum in London.

**THE MACHINE TOOL: An Interlingual Dictionary of Basic Concepts, English-French Master Vol. 1**—Eugen Wuster, Dir.—Technical Press, London, 1968, 756 p., 570 illus., \$30. Vol. 2, The German Supplement GRUNDBEGRIFFE BEI WERKZEUGMASCHINEN (160 p., \$7.50). Both volumes were prepared under the auspices of United Nations Economic Commission for Europe, pioneering in new lexicographic method of arranging systems of terms in accordance with their conceptual interrelationship. Defines more than 1,400 concepts in two languages, identifies 3,000 words and phrases expressing these concepts in English, French and German, translating 8,000 terms in each of these languages.

**MACROMOLECULES OF LIVING SYSTEMS: Structure and Chemistry**—Herbert S. Rhinesmith and Luigi A. Cioffi—Reinhold, 1968, 164 p., diagrams, paper, \$4.75. Considers the relationships between monomers, polymers and macromolecules primarily from the structural point of view, and examines proteins in terms of primary, secondary, tertiary and quaternary structure.

**METEORITES AND THE ORIGIN OF PLANETS**—John A. Wood—McGraw-Hill, 1968, 117 p., illus., \$4.95; paper, \$2.95. Up-to-date discussion of what these most ancient pieces of planetary matter known are made of, their source and the parent meteorite planets, ages of the meteorites and formation of the planets.

**MOLECULAR BASIS OF VIROLOGY**—H. Fraenkel-Conrat, Ed.—Reinhold, 1968, 642 p., illus., \$18. Aimed at complete and integrated coverage of the fields of plant, animal and bacterial viruses, to the extent that these have been studied by modern chemical, physicochemical or biochemical methods.

**NICOLE ORESME: Le Livre du ciel et du monde**—Albert D. Menut and Alexander J. Denomy, Eds., transl. with introd. by Albert D. Menut—Univ. of Wis. Press, 1968, 778 p., diagrams, \$17.50. Makes available the 14th century French scholastic's scientific treatise with parallel English translation.

**OCEANOGRAPHY IN PRINT: A Selected List of Educational Resources**—Lynn Forbes, Compiler; Mary Sears, Consultant—Oceanographic Education Center, 1968, 58 p., paper, 75c direct to publisher, P.O. Box 585, Falmouth, Mass. 02541. Listings range from elementary level books to technical journals and articles, films, maps, and catalogs.

**OFFICE PLANNING AND DESIGN**—Michael Saphier—McGraw-Hill, 1968, 193 p., photographs, layouts, \$14. A guide to office planning for architectural students and practitioners, covers all the phases of procedure required.

**OLD PEOPLE IN THREE INDUSTRIAL SOCIETIES**—Ethel Shanas, Peter Townsend and others—Atherton Press, 1968, 478 p., \$15. Presents the findings of a cross-national survey of living conditions and behavior of elderly people in Denmark, Britain and the United States.

**PERSPECTIVES ON HUMAN EVOLUTION, Vol. 1**—S. L. Washburn and Phyllis C. Jay, Eds.—Holt, 1968, 287 p., illus., paper, \$3.95. Selected papers include Simpson's "The Biological Nature of Man," Leakey's "An Early Miocene Member of Hominidae" and Freedman's "Personality Development in Infancy: A Biological Approach."

**THE PHYSICAL PRINCIPLES OF ULTRA-HIGH VACUUM: Systems and Equipment**—Norman W. Robinson—Chapman & Hall (Barnes & Noble), 1968, 270 p., diagrams, \$12. Presents the fundamentals underlying the attainment and measurement of ultra-high vacuum with pressures less than  $10^{-8}$  torr, and the ionic and cryogenic techniques used.

**A PICTORIAL TREASURY OF THE MARINE MUSEUMS OF THE WORLD**—Brandt Aymar—Crown Pubs., 1967, 248 p., 470 photographs, \$10. A guide to the maritime collections, restorations, replicas and marine museums in 23 countries.

**PLANT PROPAGATION: Principles and Practices**—Hudson T. Hartmann and Dale E. Kester—Prentice-Hall, 1968, 2nd ed., 702 p., illus., \$14. Provides information concerning the fundamental principles involved in plant propagation and serves as a manual that describes useful techniques for propagating the higher plants.

**SCOTLAND**—Introd. by Eric Linklater, notes on plates by Olive Cook—Viking Press, 1968, 224 p., 134 photographs by Edwin Smith, maps, \$12.50. A Studio book that renders vividly the landscapes, architecture and historical landmarks of Scotland.

**THE STAR ALMANAC FOR LAND SURVEYORS for the Year 1969**—H. M. Nautical Almanac Office—HMSO (Brit. Inform. Services, N.Y.), 1968, 70 p., paper, \$1.30. Designed to provide the surveyor with the astronomical data tabulations he requires, in compact form.

**TUNNELING TECHNOLOGY: Its Past and Present**—Thomas M. Nasiatka—Bureau of Mines circular 8375 (GPO), 12 p., tables, paper, 45c. See SN 6/22/68, p. 598.

**U.S. ENERGY POLICIES: An Agenda for Research—Resources for the Future Staff Report**—Johns Hopkins Press, 1968, 152 p., paper, \$4. Assembles and describes within over-all framework the energy policy questions which would profit from study and analysis, in regard to oil, natural gas, coal, electricity, nuclear energy and shale oil.

**THE WORLD OF RADIOISOTOPES**—J. N. Gregory—Angus & Robertson (Philosophical Lib.), 1968, 204 p., 52 plates, diagrams, \$15. Published in association with the Australian Atomic Energy Commission, the author, Chief of their Isotope Division, explains what radioactive isotopes are and how they may be used in industry, hydrology, agriculture, medicine and the physical sciences.

## TEXTBOOKS

**ELEMENTARY PARTICLES AND THEIR CURRENTS**—Jeremy Bernstein—Freeman, 1968, 322 p., \$12. Graduate level textbook, treats the theory of elementary particles in a unified way under the general theme of currents, concentrating on three types of currents and their interactions—the electromagnetic, the weak and those that couple strongly to vector mesons.

**INTRODUCTION TO PROBABILITY AND STATISTICS**—Henry L. Alder and Edward B. Roessler—Freeman, 1968, 4th ed., 333 p., diagrams, \$7. Written to serve as a text for a one-semester introductory course for students of varied backgrounds and interests in the natural and social sciences.

**MATHEMATICS: The Alphabet of Science**—Margaret F. Willerding and Ruth A. Hayward—Wiley, 1968, 285 p., illus., \$6.95. Intended for liberal-arts students and other students who wish to know what mathematics is about.

**THE PRIMARY STRUCTURE OF PROTEINS: Principles and Practices for the Determination of Amino Acid Sequence**—Walter A. Schroeder—Harper, 1968, 210 p., illus., paper, \$5.95. Covers the subject in detail for the senior undergraduate or the graduate student, evaluates useful procedures for determining sequences and catalogues the most complete results to date.

**PRINCIPLES OF GEOLOGY**—James Gilluly, Aaron C. Waters and A. O. Woodford—Freeman, 1968, 3rd ed., 687 p., 520 illus., \$9.75. This revision of well established text incorporates the more important aspects of advances in quantitative studies of erosional processes and rates especially in stream dynamics.

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