

books OF THE WEEK

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APPROACHES TO THE SCIENCE OF SOCIO-ECONOMIC DEVELOPMENT—Peter Lengyel, Ed.—Unesco (UNIPUB, N.Y.), 1972, 383 p., \$11. Surveys divergent approaches among social scientists considering such topics as family planning attitudes, urbanization, achievement motivation, the modern international economy, and political planning.

THE ARMIES OF THE ANT—Charles L. Hogue and Alan Landsberg Productions—World Pub. Co., 1972, 234 p., photographs in color by Julian P. Donahue and the author, \$12.50. Edited transcript recording the personal experiences of entomologist conducting studies in the rain forest of southeastern Costa Rica.

MEMBRANE STRUCTURE AND ITS BIOLOGICAL APPLICATIONS—David E. Green, Ed.—N.Y. Acad. of Sciences, Annals, Vol. 195, 1972, 519 p., illus., paper, \$34. Series of papers discussing models of membrane structure, the structure of membrane proteins, physical probes, X-ray and electron

microscopic studies of membrane systems, and biological applications of membrane structure.

THE STUDY OF TIME: Proceedings of the First Conference of the International Society for the Study of Time—J. T. Fraser, F. C. Haber and G. H. Muller, Eds.—Springer-Verlag, N.Y., 1972, 550 p., illus., \$20.30. Presents scholarly and scientific papers on the results of research, cutting across all disciplines, from theoretical physics to life sciences, philosophy and sociology.

THE TAMING OF TECHNOLOGY—David Loth and Morris L. Ernst—Simon & Schuster, 1972, 256 p., \$6.95. Deals with the legal restrictions that can be used to curb environmentally destructive aspects of technological growth, and cites samples of confrontations between science and law in fields ranging from medicine to computers.

TOMORROW'S MATH: Unsolved Problems for the Amateur—C. Stanley Ogilvy—Oxford U. Press, 1972, 2nd ed., 198 p., illus., \$7.50. Describes in layman's terms the meaning of the unsolved problem, followed by selection of more than 150 puzzling problems from all branches of mathematics.

THE WHALE: Mighty Monarch of the Sea—Jacques-Yves Cousteau and Philippe Diolé, transl. from French by J. F. Bernard—Doubleday, 1972, 304 p., 144 photographs, 124 in color, drawings, \$9.95. Explorer takes the reader on board the Calypso and tells of expeditions across the world's oceans and encounters with whales and other marine life observed from minisub and balloon.

FOR YOUNGER READERS

THE CHANGING WORLD OF LIVING THINGS—Frances L. Behnke—HR&W, 1972, 170 p., photographs, \$5.95. About ecology balances and cycles in nature, habitats and communities, predators and parasites, pollution and extinction. With glossary.

THE CODE OF LIFE—Alvin and Virginia Silverstein—Atheneum, 1972, 90 p., illus. by Kenneth Gosner, \$4.50. Tells about the patterns of life, how DNA works, heredity, mutations, and how genetics is studied in the laboratory.

EARTHQUAKES: New Scientific Ideas About How and Why the Earth Shakes—Patricia Lauber—Random House, 1972, 82 p., photographs, drawings, \$3.95. Starting with the Alaska earthquake of 1964, the book goes on to explain what causes earthquakes and their impact on the environment.

THE ELEMENTS—Gail Kay Haines—Watts F., 1972, 84 p., illus., \$3.75. A first compact introduction to more than 100 basic chemical elements, including simplified version of periodic chart.

THE ENDOCRINE SYSTEM: Hormones in the Living World—Alvin and Virginia B. Silverstein—P-H, 1972, 68 p., illus. by Mel Erikson, \$4.50. Simple explanations of the system of glands in the body that produces hormones, and the purpose and function of hormones in animals and plants.

THE EXCRETORY SYSTEM: How Living Creatures Get Rid of Wastes—Alvin and Virginia B. Silverstein—P-H, 1972, 74 p., illus. by Lee J. Ames, \$4.95. Describes the body's complex and efficient system of eliminating wastes through kidneys, sweat glands and intestines.

EXPLORING THE UNKNOWN: Mysteries in American Archaeology—Sharon S. McKern—Praeger, 1972, 124 p., photographs, \$5.95. About pre-Columbian migration routes into the New World, the Incas of Peru, Machu Picchu, the Nasca Valley markings, and the vanished Maya and their temples.

THE FIRST BOOK OF MICROBES—Lucia Z. Lewis—Watts, F., 1972, rev. ed., 84 p., illus. by Howard Berelson, \$3.75. Describes different plant and animal microbes, their discovery, classification, reproduction, harmful and beneficial relationships to man. Simple experiments included.

THE HOW AND WHY OF GROWING—Lorus and Margery Milne—Atheneum, 1972, 131 p., illus. by John Pimlott, \$4.95. Explains why living things grow as they do and how growth takes place in people, animals, plants and bacteria.

INSECTS IN ARMOR: A Beetle Book—Ross E. Hutchins—Parents, 1972, 64 p., photographs by author, \$3.80. Describes unusual details about all kinds of beetles, their structure, life cycle and habits.

MAN THE MEASURER: Our Units of Measure and How They Grew—Roy A. Gallant—Doubleday, 1972, 111 p., illus., tables, \$4.95. Historical background, measuring standards, and experiments.

THE NERVOUS SYSTEM: The Inner Networks—Alvin and Virginia B. Silverstein—P-H, 1972, 64 p., illus. by Mel Erikson, \$3.95. Tells about nerve cells, spinal cord, the brain and its development, and explains how the whole system works.

OCEANOGRAPHY—Jerome Williams—Watts, F., 1972, 79 p., illus., \$3.75. Written by oceanographer, discusses the work of scientists exploring the sea, the ocean basins, continental slopes, rifts, currents and the marine environment.

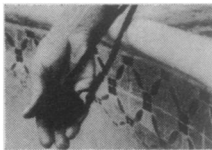
ROBOTS IN THE SKY: Explorers of Our Solar System—Don Dwiggin—Golden Gate Jr. Bks., 1972, 80 p., illus., \$4.95. Gives an account of the main projects in interplanetary space exploration, explains how such systems are constructed and instrumented to achieve their missions.

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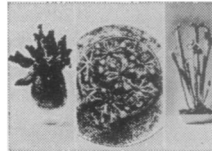
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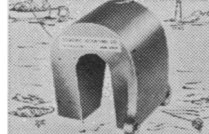
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