

books OF THE WEEK

Books of the Week is an editorial service for readers' information. To order any book listed, or any U.S. book in print, please remit retail price, plus 25% handling charge for each book to Book Order Service, Science News, 1719 N St., N.W., Washington, D.C. 20036. All books sent postpaid.

FOR YOUNGER READERS

AMPHIBIANS AS PETS—Georg and Lisbeth Zappler—Doubleday, 1973, 160 p., photographs and drawings by Richard Marshall, tables, index, \$4.95. Tells young amateur zoologists what they can learn from observing and raising frogs, toads, and salamanders.

ANIMAL COMMUNITIES—Michael Chinery—Watts, 1973, 128 p., photographs in color, bibliography, index, \$5.95. Examines the structure of community life in the animal world, drawing on closely observed examples from widely varying habitats.

THE CHANGING TOOLS OF SCIENCE: From Yardstick to Synchrotron—Irving Adler—John Day, 1973, rev. ed., 158 p., illus. by Ruth and Peggy Adler, \$4.75. Describes the various tools and instruments scientists use, from simple balance scale to research satellite.

THE CHANGING WORLD OF BIRDS—John M. Anderson—HR&W, 1973, 122 p., photographs, glossary, bibliog., index, \$5.95. Ornithologist tells about habitats, adaptability, migration, food habits, and man's effect on various species.

THE CHEMICALS WE EAT AND DRINK—Alvin and Virginia Silverstein—Follett, 1973, 112 p., photographs, drawings, index, \$4.95. Reviews both the beneficial and harmful chemicals we ingest, natural food components and synthetic food additives, residues, and what we can do about it all.

CITY ROCKS, CITY BLOCKS AND THE MOON—Edward Gallob—Scribner, 1973, 48 p., photographs by author, index, \$5.95. A striking and effective introduction to geology for the young city child.

CLOSING THE LOOP: The Story of Feedback—Stanley W. Angrist—T. Y. Crowell, 1973, 85 p., photographs, drawings by Enrico Arno, index, \$4.95. Shows how feedback operates, its use in control devices, from early water clocks through biofeedback to automatic factory.

THE DEATH OF A WOMBAT—Ivan Smith—Scribner, 1973, 61 p., drawings by Clifton Pugh, \$5.95. Graphically outstanding book, tells the story of an Australian brush fire, and a slow-moving, small marsupial.

DRUGS AND MAN—John Gabriel Navarra—Doubleday, 1973, 94 p., illus. by Toby Navarra, \$4.95. Chemist presents readable and accurate information on both beneficial and harmful drugs, their use and abuse.

ECOLOGY: Cycle and Recycle—Grace Holden Kolbas—Sterling, 1973, 168 p., 200 color photographs by author, diagrams, index, \$7.95. Covers concisely a wide range of interaction of plants, men and animals with each other, and with their environment.

EVOLUTION OF A SCIENTIST: The Two Worlds of Theodosius Dobzhansky—Barbara Land—T. Y. Crowell, 1973, 262 p., photographs, index, \$4.50. Biography of the Russian-American geneticist, best known for his studies of the *Drosophila* fly.

EXPERIMENTS IN THE PRINCIPLES OF SPACE TRAVEL—Franklyn M. Branley—T. Y. Crowell, 1973, rev. ed., 118 p., illus. by Jeanyee Wong, index, \$4.50. Explains the basic laws of space travel graphically by a series of experiments with simple equipment.

EXPLORING THE BRAIN—Alvin and Virginia B. Silverstein—P-H, 1973, 112 p., illus. by Patricia De Veau, bibliog., index, \$4.95. Describes what research has revealed about functions and potentials of the human brain.

FINGERPRINT DETECTIVE—Robert H. Millimaki—Lippincott, 1973, 96 p., photographs, drawings, index, \$4.95. Describes how fingerprints are located, classified, and analyzed.

THE FIRST BOOK OF MARS: An Introduction to the Red Planet—David C. Knight—Watts, 1973, rev. ed., 82 p., photographs, index, \$3.95. Updated edition includes "flyby" photographs from Mariner 9 probe, as well as new scientific findings and theories.

THE INCREDIBLE INCAS: Yesterday and Today—Carleton Beals—Abelard, 1973, 191 p., photographs by Marianne Greenwood, bibliog., index, \$6.95. Portrays the ways of life of the Andean Indians.

INSECT TRAVELERS—John Kaufmann—Morrow, 1972, 126 p., illus. by author, bibliog., index, \$4.95. Attractive book interprets scientific data about insect migration, with clear explanatory drawings.

INSECTS AS PETS—Paul Villiard—Doubleday, 1973, 144 p., photographs by author, index, \$4.95. Tells the young entomologist how to go about studying such pets as butterflies, ants, moths, grasshoppers, and crickets.

INTRODUCING ARCHAEOLOGY—Magnus Magnusson—Walck, 1973, 127 p., color-plates, 50 photographs, drawings by Martin Simmons, bibliog., index, paper, \$4.95. Conveys the exciting developments in archaeological discoveries during the last two centuries.

JUPITER: The Largest Planet—Isaac Asimov—Lothrop, 1973, 224 p., photographs, 54 tables, glossary, index, \$5.95. History of man's discoveries about Jupiter, from early measurements of distance to recent findings about its composition and atmosphere.

KNOWING THE ATOMIC NUCLEUS—R. Hobart Ellis, Jr.—Lothrop, 1973, 127 p., photographs, drawings, tables, glossary, index, \$4.50. Describes the discovery, nature and potential of the nucleus, explains atomic structure, radioactivity, fission and fusion.

LEARN SCIENCE THROUGH BALL GAMES—C. B. Daish—Sterling, 1973, 128 p., photographs, diagrams, index, \$3.95. Discusses the scientific principles at work in baseball, golf, tennis, and other popular sports.

LET'S LOOK AT REPTILES—Harriet E. Huntington—Doubleday, 1973, 108 p., photographs by author, drawings by J. Noel, \$5.95. An informative science-picture book about the world of lizards, alligators, turtles, and snakes.

LET'S PLAY MATH—Michael Holt and Zoltan Dienes—Walker & Co, 1973, 184 p., illus., \$6.95. A guide to 80 games and puzzles for pre-school children to develop their ability to think logically and creatively.

LIFE BATTLES COLD: The Wonders of Cold—Lucy Kavalier—John Day, 1973, 160 p., illus. by Leslie Morrill, index, \$6.50. Tells about the adaptation of animals, man, plants, and microbes to cold climates.

MICE, MOOSE AND MEN: How Their Populations Rise and Fall—Robert M. McClung—Morrow, 1973, 64 p., illus. by author, bibliog., index, \$4.25. Explores dramatic cases of population fluctuations in the animal world.

THE MYSTERY OF THE VIKINGS IN AMERICA—Morton J. Golding—Lippincott, 1973, 160 p., photographs, maps, index, \$5.75. Deals with the clues and evidence of the Norsemen's navigational mastery.

NEXT TO THE NORTH WIND—Kurt Lutgen, transl. from German by Maria Pelikan—Doubleday, 1973, 224 p., illus., map, \$4.95. Four narrative accounts of man's heroic efforts in the arctic region.

OCEANOGRAPHY LAB: Scientists at Work—Melvin Berger—John Day, 1973, 126 p., photographs, bibliog., index, \$5.95. Describes the daily activities of oceanographers at the Woodshole Oceanographic Institution, and discusses some current research problems.

ON BEHAVIOR: Instinct Is a Cheshire Cat—Peter H. Klopfer—Lippincott, 1973, 156 p., illus., \$5.25. About instinct in animal behavior, how it is observed by ethologists, and some of the speculations on human behavior.

THE ORIGINS OF THE UNIVERSE—Albert Hinkelbein—Watts, 1973, 128 p., photographs and diagrams in color, bibliog., index, \$5.95. Proceeds from ancient cosmogonies, through early measurements, to insights gained about the solar system, earth's origin, aging stars, space/time, and energy.

OTHER WORLDS, OTHER BEINGS—Stanley W. Angrist—T. Y. Crowell, 1973, 120 p., photographs, drawings by Enrico Arno, bibliog., index, \$4.95. Examines the possibilities and probabilities of intelligent life in outer space.

PATH OF HUNTERS: Animal Struggle in a Meadow—Robert Newton Peck—Knopf, 1973, 100 p., illus. by Betty Fraser, \$4.95. Hand-somely designed book tells about small creatures and their struggle for survival.

PEOPLE OF THE ICE AGE—Ruth Goode—Macmillan, 1973, 151 p., illus. by David Palladini, map, tables, index, \$5.95. The story of prehistoric man—Pithecanthropus, Neanderthal and Cro-Magnon—from about 500,000 to 5,000 years ago.

PROMISE IN THE EAST: The New Siberia—Hugo Portisch—Little, 1973, 162 p., photographs, map, \$5.95. Describes the geography, history, cities, people, resources and recent developments of that vast stretch of land between the Urals and the Sea of Japan.

ROENTGEN'S REVOLUTION: The Discovery of the X Ray—Vivian Grey—Little, 1973, 144 p., photograph, \$5.95. Biography of the German physicist who accidentally discovered the X ray, and won the Nobel Prize in 1901.

SCIENCE IN THE WORLD AROUND US—William C. Vergara—Har-Row, 1973, 250 p., diagrams by author, index, \$7.95. Using question-and-answer format, the author explains many puzzling events, from dew in the desert to earth's magnetic field.

SEEDLINGS AND SOIL: Botany for Young Experimenters—C. T. Prime and Aaron E. Klein—Doubleday, 1973, 132 p., drawings, tables, bibliog., index, \$4.95. Using chemicals and equipment of a chemistry set or garden shop, the experiments investigate soils, and the structure, function and behavior of plants.

SOCIAL SCIENCE PROJECTS YOU CAN DO—Thomas P. Weinland and Donald W. Protheroe—P-H, 1973, 143 p., illus. by Ted Schroeder, index, \$4.95. Describes 55 project ideas, from preparing a study report, to information retrieval, comparing news reports, and studying animal behavior.

THE TINY PLANETS: Asteroids of Our Solar System—David C. Knight—Morrow, 1973, 95 p., photographs, diagrams, table, glossary, index, \$3.95. On the discovery and physical nature of the minor planets.

TO FIND A DINOSAUR—Dorothy E. Shuttlesworth—Doubleday, 1973, 128 p., photographs, index, \$4.95. Describes some of the important discoveries of famous fossil hunters, and the ways in which young amateur paleontologists can make finds of their own.

THE WAY THINGS WORK: An Illustrated Encyclopedia of Technology, Special Edition for Young People—T. Lodevijk and others—S&S, 1973, 288 p., 325 two-color diagrams, index, \$9.95. From simple mechanics through internal combustion engines, electric circuits, to projectors, typewriters and plastics.