

books OF THE WEEK

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THE AMERICAN UNIVERSITY: How It Runs, Where It Is Going—Jacques Barzun—Harper, 1968, 319 p., \$7.95. Offers a well organized, documented panoramic view of how the American enterprise for higher education actually works, what in the author's experienced opinion are the essentials of quality and what reforms are needed to achieve it.

ANTI-MEMOIRS—Andre Malraux, transl. from French by Terence Kilmartin—Holt, 1968, 420 p., \$8.95. More a historical document than an autobiography, the writer-statesman, resistance fighter and art historian tells of those events in his life that have been of consequence for all men of his generation.

THE ART OF ORGANIC FORMS—Philip C. Ritterbush—Smithsonian Institution Press, 1968, 149 p., illus., \$10. Examines the relationships among esthetic ideas, biological discovery in the 19th century, and abstract art. Demonstrates biology as the most visual of the sciences.

THE BIOCHEMICAL APPROACH TO LIFE—F. R. Jevons, foreword by F. Sanger—Basic Bks., 1968, 2nd ed., 226 p., illus., \$5.95. Includes new material and an appendix explaining the chemical concepts necessary to understand the text.

CELLULAR BIOLOGY OF VERTEBRATE REGENERATION AND REPAIR—Anthony J. Schmidt—Univ. of Chicago Press, 1968, 420 p., photographs, micrographs, diagrams, \$17.50. Reference and text for researchers, centers on investigation of cytoarchitecture and molecular ecology of highly organized, restorative regeneration of amphibian appendages and the comparison of this process with tissue response to injury, and subsequent repair, in other vertebrates.

THE CENTRAL NERVOUS SYSTEM AND FISH BEHAVIOR—David Ingle, Ed.—Univ. of Chicago Press, 1968, 272 p., illus., \$15. Presents new research and data in the areas of visual mechanisms and behavior, functions of the forebrain, conceptual problems in behavior analysis, and biological approaches to memory.

CHILDREN, POVERTY AND FAMILY ALLOWANCES—James C. Vadakin, foreword by Daniel P. Moynihan—Basic Bks., 1968, 222 p., tables, \$6.50. Examines the concept of family allowances as a social welfare and income-maintenance measure, and reviews the nature, purposes and methods of family allowance programs throughout the world.

DELAWARE'S BURIED PAST: A Story of Archaeological Adventure—C. A. Weslager—Rutgers Univ. Press, 1968, 2nd ed., 219 p., illus., map, \$6; paper, \$1.95. Includes 35-page addendum on recent Indian discoveries in Delaware and New Jersey.

EARTHQUAKE INTERPRETATIONS—Ruth B. Simon—Colorado School of Mines, 1968, unpagged, illus., paper, \$2. For students and researchers, the booklet contains actual earthquake records arranged by increasing distances, at different depths and directions, recorded on a variety of seismographs, with interpretations.

ELEMENTARY SCHOOL SCIENCE ACTIVITIES—Pearl Astrid Nelson—Prentice-Hall, 1968, 210 p., illus., \$7.95. Discusses how to adapt methods of scientific investigation to children and offers 237 planned science lessons using readily available materials.

EVOLUTION AND ENVIRONMENT: A Symposium Presented on the Occasion of the One Hundredth Anniversary of the Foundation of Peabody Museum of Natural History—Ellen T. Drake, Ed.—Yale Univ. Press, 1968, 470 p., illus., \$15. Chronologically arranged papers, presenting new findings concerning the history of life on earth.

FOUR YEARS OLD IN AN URBAN COMMUNITY—John and Elizabeth Newson—Aldine Pub. Co., 1968, 570 p., \$9.75. A detailed, descriptive study of nursery school children in the intimate context of their homes, an analysis of child rearing investigated in the actual environment of an urban English setting.

SAILS—Jeremy Howard-Williams—de Graff, 1968, 400 p., 54 photographs, drawings, \$12.50. Comprehensive treatment of theory, design, construction, tuning, trim, handling, maintenance and correction of boat sails.

tion, tuning, trim, handling, maintenance and correction of boat sails.

SCIENCE FOR BETTER LIVING: 1968 Yearbook of Agriculture—Jack Hayes, Ed.—USDA (GPO), 1968, 432 p., photographs, 32 p. color plates, \$3. Presents agricultural research as it benefits the daily living conditions of the people.

SCIENTISTS AGAINST TIME—James Phinney Baxter 3rd—M.I.T. Press, 1968, 473 p., photographs, paper, \$3.95. Reprint (1946) of vivid account of the organization and the men instrumental in the U.S. scientific and engineering effort in World War II, with new foreword by Vannevar Bush.

SEA ROUTES TO POLYNESIA—Thor Heyerdahl, with edit. notes by Karl Jettmar—Rand McNally, 1968, 232 p., 24 plates, drawings, map, \$5.95. Selection of essays and lectures presenting the scientific background to the author's contributions to the study of cultural connections across the Pacific in the past.

SPACE AND THE WEATHER: The Story of Modern Weather Prediction—Don Dwiggins, foreword by Jerome Namias—Golden Gate Jr. Bks., 1968, 80 p., photographs, diagrams, \$3.95. Presents in pictures and factual text a short account of the scientific advances made in predicting weather over great expanses of the globe.

THE SPIRAL PENDULUM: The Urban School in Transition—William B. Levenson—Rand McNally, 1968, 304 p., \$7.95. Interpreting data gathered from 40 of the largest school systems, the author analyzes the inner city school, the efforts made to correct past mistakes, examines new approaches and stresses the need for changes in attitude—in classroom, community and government.

STOCHASTIC APPROACH TO CHEMICAL KINETICS—Donald A. McQuarrie—Methuen (Barnes & Noble), 1968, 68 p., paper, \$2.50. Reviews historical background, and deals with exactly solvable elementary reactions and selected applications.

THE STORY OF QUANTUM MECHANICS—Victor Guillemin—Scribner, 1968, 332 p., photographs, diagrams, \$8.95. Covers those aspects of modern physics that are concerned with the sub-microscopic world of atoms, with radiant energy, elementary particles, symmetries, and gives an interpretation of the philosophical implications.

THE UNPREPARED SOCIETY: Planning for a Precarious Future—Donald N. Michael, foreword by Ward Madden—Basic Bks., 1968, 132 p., \$4.95. To cope with unprecedented sociological changes and the problems they pose for the future, the author suggests how to make better use of the newly available technologies in long-range planning.

USES OF THE SEAS—Edmund A. Gullion, Ed.—Am. Assembly, Columbia U. (Prentice-Hall), 1968, 202 p., \$4.95; paper, \$2.45. Sets forth the new discoveries in oceanography and their legal implications, considers the new shifts in the distribution of sea power among nations, and their implications for international stability and U.S. policy.

VAN NOSTRAND'S SCIENTIFIC ENCYCLOPEDIA—William R. Minrath, Gen. Ed.—Van Nostrand, 1968, 4th ed., 2,008 p., 16 color plates, 2,000 illus. & diagrams, \$42.75; \$37.50 until 12/31/68. One-volume scientific and engineering encyclopedia in new format, thoroughly updated, offers 125,000 clearly written definitions and 16,500 articles, alphabetically arranged, covering such diverse areas as computer technology, planetary exploration, mathematics teaching, polymer science, instrumentation, organ transplants, particle physics, meteorology and oceanography.

TREES—Andreas Feininger—Viking Press, 1968, 116 p., 160 photographs, 40 in color, drawings, maps, \$22.50; \$18.95 until 12/31/68. A feast for the eyes, these folio-size pictures show the characteristics of trees, bark, leaves and roots; trees as the oldest, tallest and biggest living things; with scientifically accurate comments, ending with plea for conservation.

WASHINGTON '68—Cary T. Grayson, Jr., Ed.—Potomac Bks., 1968, 530 p., map, \$16.50; paper, \$12.50. Comprehensive directory of the Nation's Capital, its institutions, legislators, embassies, press, clubs, national associations, research and development, cultural organizations, community affairs, colleges, and suburban governments.

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THE WEIGHT OF THE EVIDENCE: The Warren Report and Its Critics—Jay David, Ed.—Meredith Press, 1968, 303 p., \$6.95. Brings together a selection of documents that establish the major themes of the Warren Report and introduce the reader to the style and questionable substance of its principal critics.

WORLD WHO'S WHO IN SCIENCE: A Biographical Dictionary of Notable Scientists from Antiquity to the Present—Allen G. Debus, Ed.—Marquis-Who's Who, 1968, 1855 p., \$60. A new biographical reference to 32,000 of the world's major scientists and their scientific achievements, including Eastern Europe, Central and South America, Africa and the Orient, as far as available. Half of the entries are historical.

FOR YOUNGER READERS

AROUND THE WORLD: Learning Through Stamps, Vol. 2—Elizabeth and Klaus Gemming—Barre Pubs., 1968, 64 p., illus., map, \$4.95. A geographical world tour featuring postage stamps with informative text.

BATS: Wings in the Night—Patricia Lauber—Random House, 1968, 80 p., photographs, \$1.95. Introduces young readers to the scientific study of several species of bats and their habits.

THE CHEMISTRY OF SOAP—A. Harris Stone and Bertram M. Siegel—Prentice-Hall, 1968, 64 p., illus. by Peter P. Plasencia, \$3.95. Asks the kind of questions that encourage experiments on the properties of bases.

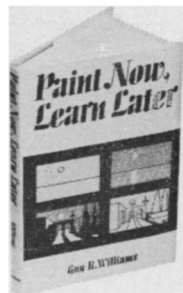
THE PENGUIN BOOK—Margaret Rau—Hawthorn Bks., 1968, 79 p., illus. by John Hamberger, \$3.95. Interesting information about the habits of a variety of species of penguins.

PUTTERING WITH PAPER—A. Harris Stone and Bertram M. Siegel—Prentice-Hall, 1968, 63 p., illus. by Peter P. Plasencia, \$3.95. Suggests experiments that use mainly paper to find out about such concepts as tensile strength, air pressure and inertia.

THE PYGMIES: Africans of the Congo Forest—Sonia Bleeker—Morrow, 1968, 143 p., illus. by Edith G. Singer, map, \$3.25. About the habits and ceremonies of an African tribal group.

SECRET CODES AND CIPHERS—Bernice Kohn—Prentice-Hall, 1968, 64 p., illus. by Frank Aloise, \$3.95. Shows boys and girls how to decipher and make up their own secret codes.

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2 november 1968/vol. 94/science news/455

