

books OF THE WEEK

Listing is an editorial service for readers' information. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25c handling charge if price is less than \$2 to Book Order Service, Science News, 1719 N. St., N.W., Washington, D.C. 20036. Prices subject to publishers' changes. Be sure to include zip code in your address.

ANNUAL REVIEW OF GENETICS, Vol. 2—Herschel L. Roman, Laurence M. Sandler and Gunther S. Stent, Eds.—Annual Reviews, 1968, 456 p., illus., \$8.50. Critical and informative reviews on topics ranging from regulation of chromosome function, transduction mechanisms, and experimental population genetics to bee genetics.

ARCHAEOLOGY A-Z: A Simplified Guide and Dictionary—Geoffrey Palmer and Noel Lloyd—Warne, 1968, 225 p., 16 plates, drawings by Roger Harris, \$5.95. Describes field archaeology, principal British sites, some recent world-wide discoveries, and gives definitions of 700 terms.

BASIC CONCEPTS OF NUCLEAR PHYSICS—Robert L. Stearns—Reinhold, 1968, 118 p., diagrams, paper, \$2.60. Designed to give the elementary physics student insight into the phenomena of nuclear physics.

THE BIRDS OF THE REPUBLIC OF PANAMA, PART 2: Columbidae (Pigeons) to Picidae (Woodpeckers)—Alexander Wetmore—Smithsonian Institution Press, 1968, 605 p., illus., \$15. Summarizes what is known about 208 species of the remaining 18 bird families in the systematic sequence of the great order Passeriformes, the perching birds.

CENSUS, U.S.A.: Fact Finding for the American People, 1790-1970—Ann Herbert Scott—Seabury Press, 1968, 228 p., graphs, \$5.95. A popular account of census taking and census statistics in a changing America.

CHEMISTRY: Inorganic, Organic and Biological—Philip S. Chen—Barnes & Noble, 1968, 263 p., illus., paper, \$1.75. College outline keyed to standard textbooks, with glossary and self-scoring test.

CHINESE ALCHEMY: Preliminary Studies—Nathan Sivin—Harvard Univ. Press, 1968, 339 p., illus., \$15. Monograph initiates a series in the history of science, investigating ancient Chinese scientific thought, delineating major issues, feasible approaches and basic techniques of investigation.

COMPUTER APPLICATIONS IN ARCHITECTURE AND ENGINEERING—G. Neil Harper—McGraw-Hill, 1968, 238 p., diagrams, \$12.50. Addressing the practising architect and engineer, the book covers the latest advances in computer applications to building technology, focusing on specific uses, not theory.

THE COURTSHIP HABITS OF THE GREAT CRESTED GREBE—Julian Huxley, foreword by Desmond Morris—Jonathan Cape (Grossman), 1968, 98 p., drawings, \$3; paper, \$1.50. Reprint (1914) of a paper now widely acknowledged as a milestone in the study of animal behavior.

THE DAY OF THE DINOSAUR—L. Sprague de Camp and Catherine Crook de Camp—Doubleday, 1968, 319 p., 83 plates, drawings, \$6.95. Reconstructs the Age of the Reptiles, some 120,000,000 years ago, and tells of the fossil hunters on whose finds all solid knowledge and speculation are based.

FLYING FORTS—Martin Caidin—Meredith Press, 1968, 516 p., photographs, drawings, \$7.95. The story of the B-17 in World War II, presented as an era of action-packed aviation history.

GALAPAGOS: The Flow of Wildness, Vol. 1: Discovery; Vol. 2: Prospect—Eliot Porter, intro. by Loren Eiseley; Kenneth Brower, Ed.—Sierra Club, 1968, 170 p., 187 p., color plates by Eliot Porter, boxed set, \$55; until 12-31-68, \$45. Superb photography shows the geology, flora and diversity of the island life Darwin wrote about, with chapters of scientific descriptions followed by selections from the literature, biographical sketches and bibliographies.

FREE BOOK!

"Dover Science Sampler." 64-page book, with entertaining instructive selections from Machi, Galileo, Newton, Poincare, Hubble, Steinman, etc. Island universes, fata morgana, genetics, phase rule, etc. Entirely free, no strings attached. No obligation, no salesmen will call. Supply limited write now. Dept. SNL, Dover, 180 Varlek St., N.Y., N.Y. 10014

GENERAL AND SOCIAL SYSTEMS—F. Kenneth Berrien—Rutgers Univ. Press, 1968, 231 p., diagrams, \$9. An attempt to relate the basic concepts of electro-mechanical and social systems, using the developmental phenomena of systems, of memory, adaptation and conflict to explain the progression from randomness and disorder to orderliness and complexity.

A HISTORY OF WARFARE—Field-Marshal Viscount Montgomery of Alamein—World Pub. Co., 1968, 584 p., color plates, illus., maps, \$15; until 12/21/68, \$12.95. A readable study of the changing nature of warfare, strategy, seapower, intelligence and command, examining the developing pattern of complex modern war.

INSTABILITY AND ECONOMIC GROWTH—Erik Lundberg—Yale Univ. Press, 1968, 433 p., diagrams, \$7.50; paper, \$2.25. Comparative study of interwar and postwar economic instability in Western Europe, Japan, the United States and Canada.

INTRODUCTION TO ARCHAEOLOGY—Robin Place—Philosophical Lib., 1968, 168 p., 24 plates, illus., \$6. An up-to-date and readable explanation of archaeological work illustrated by excavations and sites mostly located on the British Isles.

THE INVENTION OF THE SEWING MACHINE—Grace Rogers Cooper—Smithsonian Institution (GPO), 1968, 156 p., illus., \$2.75. Fascinating historical study of the first widely advertised consumer appliance which pioneered installment buying and patent pooling, and revolutionized the ready-made clothing industry.

LAWRENCE AND OPPENHEIMER—Nuel Pharr Davis—Simon & Schuster, 1968, 384 p., \$7.50. A highly readable reconstruction of the relationship of two outstanding scientists at the beginning of the Atomic Age, opposite personalities involved in decisions of historical importance and controversy.

THE MOLECULAR BASIS OF LIFE: An Introduction to Molecular Biology—Readings from SCIENTIFIC AMERICAN, introd. by Robert H. Haynes and Philip C. Hanawalt—Freeman, 1968, 368 p., illus., \$10; paper, \$4.95. Provides integrated background information for anyone wanting an up-to-date survey of molecular biology.

THE NATURE OF SOLIDS—Alan Holden—Columbia Univ. Press, 1968, 241 p., illus., paper, \$2.75. Reprint (1965), provides not only an introduction to solid-state physics, but also a review of basic physical and chemical theory.

A PRACTICAL GUIDE TO PSYCHOTHERAPY—Daniel N. Wiener—Harper, 1968, 314 p., \$6.95. Offers guidelines for determining if one really needs psychotherapy, and describes other potential sources of aid. Outlines the major psychotherapeutic systems, including transcripts of sample sessions.

PSYCHOSOCIAL NURSING—Elizabeth Barnes, Ed.—Tavistock (Barnes & Noble), 1968, 316 p., diagrams, paper, \$4.75. First-hand accounts of a therapeutic approach to the treatment of psychiatric patients practiced in the Cassel Hospital in England, involving a partnership approach of patient, doctor, nurse, family and hospital community.

THE ROLE OF POTASSIUM IN AGRICULTURE—V. J. Kilmer, S. E. Younts and N. C. Brady, Eds.—Am. Soc. of Agronomy, 1968, 509 p., illus., \$7.50. A review of the industrial production and crop uses of potassium.

SCIENCE TREASURES: Let's Repeat the Great Experiments—Bob Brown—Fleet Press Corp., 1968, 165 p., photographs, diagrams, \$5.50. Combines short sketches of famous experimenters with suggestions for demonstrating the principles involved with simple home equipment.

SCIENCE YEAR: The World Book Science Annual—William H. Nault, Editorial Dir.—Field Enterprises Educ. Corp., 1968, 450 p., 437 illus., 240 in color, \$6.95 directly to publisher, Merchandise Mart Plaza, Chicago 60654. Contains two essays on wildlife and on biomedical advances, 17 articles on topics of current scientific interest, short review of late developments, biographical sketches and awards.

SHARKS, SKATES AND RAYS—Perry W. Gilbert, Robert F. Mathewson and David P. Rall, Eds.—Johns Hopkins Press, 1967, 624 p., illus.,

maps, \$15. Brings together the results of research on the basic biology of this group of vertebrates, their taxonomy, ecology, behavior, anatomy and physiology, explains some of the remarkable adaptations of the Chondrichthyes, and contains information essential to the protection of man in shark-infested waters.

THE SOCIAL ORDER OF THE SLUM: Ethnicity and Territory in the Inner City—Gerald D. Suttles, preface by Morris Janowitz—Univ. of Chicago Press, 1968, 243 p., \$8.95. An intensive study of family units and of age-graded groups on the Near West Side of Chicago is the basis for this analysis of community structure.

SOLAR AND GEOPHYSICAL EVENTS 1960-1965 (Calendar Record)—J. V. Lincoln—M.I.T. Press, 1968, 297 p., tables, \$15. Second volume in the Annals of the IQSY, lists chronologically the occurrence of any solar or geophysical activity.

SUBJECT GUIDE TO MAJOR UNITED STATES GOVERNMENT PUBLICATIONS—Ellen Jackson—A.L.A., 1968, 175 p., \$5.50. Annotated entries are alphabetically arranged under subject headings. Covers titles of permanent importance issued by the GPO from the earliest period to the present, indicating regional depository libraries.

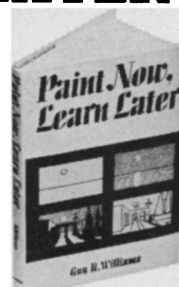
SUICIDAL BEHAVIORS: Diagnosis and Management—H. L. P. Resnik, M.D., Ed.—Little Brown, 1968, 536 p., \$15. Almost encyclopedal in its interdisciplinary coverage, from general orientation, psychoanalytic studies, through biochemical research and hypotheses, clinical management to community orientations and programs of prevention.

TRANSPORTATION IN THE WORLD OF THE FUTURE—Hal Hellman—Evans (Lippincott), 1968, 187 p., photographs, illus., \$4.95. Describes the plans for high-speed cars, jet trains, gravity tubes, hydrofoils, STOL's and other technological solutions for rapid mass transit.

UNDERSEA FRONTIERS: Exploring by Deep-Diving Submarines—Gardner Soule—Rand McNally, 1968, 253 p., photographs, \$6.95. About the deep-diving men and vessels, the quest of the aquanauts, search, rescue and discovery on the ocean floor.

PAINT NOW, LEARN LATER

Start right now creating and hanging original oils!



FAMOUS ARTIST SHOWS HOW!

If you would like to paint but have never done anything about it—this book is for you. If you have been scared off because you didn't know the "rules"—this book is certainly for you.

LET RULES COME LATER! Guy Williams, the famous teacher who is also a highly successful artist, says the FUN OF PAINTING should start right away. That's why he starts you in painting—and enjoying it!—the very first day. Don't worry about rules! Great artists break them every day! Of course you'll learn them later from the book. But right now, Williams insists you take up oils, watercolors, pastels, charcoal, crayon, ink, or pencil—and see how easily human figures, still-life compositions, and natural scenes take shape on your paper or canvas.

YOU'LL BE AMAZED how quickly the techniques of painting come to you with the help of Guy Williams' experienced guidance. It's almost like working in his studio, feeling his hand on your shoulder as he explains how to handle perspective . . . how to show dimension, light and shadow . . . how to use line and color to portray moods of sadness, joy, speed, languor, youth, age, day, night, etc.

LAVISHLY ILLUSTRATED • ORDER NOW!
\$3.95 Postfree • 10-day Money-back Guarantee
EMERSON BOOKS, Inc., Dept. 928-R
251 West 19 Street, New York 10011

AUTHORS WANTED BY NEW YORK PUBLISHER

Your book can be published, promoted, distributed by a reliable company on a subsidized basis. Fiction, non-fiction, poetry, scholarly, scientific and even controversial manuscripts welcomed. For Free Booklet write Vantage Press, Dept. T8, 120 W. 31 St., New York 10001.