

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 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.

ANXIETY AND NEUROSES—Charles Rycroft, foreword by G. M. Carstairs—Penguin Bks., 1968 160 p., \$5.95. Gives an account of neurotic anxiety, of its biological origin and function, of its relation to other unpleasant emotions, and of those illnesses, the neuroses, of which anxiety is a major symptom.

THE ARCO BOOK OF BIOLOGY: A Comprehensive Study Guide and Review of Biology for High School and College Students—D. G. MacKeane—Arco Pub. Co., 1969, 192 p., 300 illus., paper, \$4. Deals with plants and animals, their description, structure and function.

THE ARID ZONES—K. Walton—Hutchinson (Hillary House), 1969, 175 p., illus., \$4.50. On the nature and causes of aridity, climates of arid lands, desert landscapes, their biogeography, water resources and cultivation in dry lands.

THE ATTRACTIVE UNIVERSE: Gravity and the Shape of Space—E. G. Valens—World Pub. Co., 187 p., photographs by Berenice Abbott, diagrams by author with Philip Jaget, \$5.95. Explains and evokes the sense of gravity—the holding power of the sun, a satellite's elliptical path, the look and feel of weight and weightlessness.

CHEMICAL EVOLUTION: Molecular Evolution Towards the Origin of Living Systems on the Earth and Elsewhere—Melvin Calvin—Oxford Univ. Press, 1969, 288 p., illus., paper, \$5. Nobelist approaches the study of chemical evolution first through molecular paleontology, viewing the historical record backwards, then by constructing hypothetical chemical models that could have given rise to living organisms.

DEATH AND DYING: Current Issues in the Treatment of the Dying Person—Leonard Pearson, Ed.—Press of Case Western Reserve Univ., 1969, 132 p., \$6.95; paper, \$1.95. Five studies by clinicians and scientists examine the psychological, sociological and physical aspects of death.

DEVELOPING WOMAN'S POTENTIAL—Edwin C. Lewis—Iowa State Univ. Press, 1968, 389 p., \$6.95; paper, \$3.50. Psychologist presents in readable form quantitative data summarizing studies on the role of women in contemporary American society. Includes 58-page bibliography.

THE EARTH'S CRUST AND UPPER MANTLE: Structure, Dynamic Processes and Their Relation to Deep-Seated Geological Phenomena—Pembroke J. Hart, Ed.—Am. Geophysical Union, 1969, 735 p., diagrams, maps, \$18. Prepared under the auspices of the International Upper Mantle Committee, the volume gives broad survey of modern developments in solid earth studies, with emphasis on the interrelation of geophysical, geochemical and geological observations.

ECLECTIC CLIMATOLOGY: Selected Essays written in Memory of David I. Blumenstock, 1913-1963—Arnold Court, Ed.—Ore. State Univ. Press, 1968, 184 p., maps, \$6. Contributions range from discussing measurements of climate variations to monsoons, dendrochronology, and the heat budget concept.

THE ELECTRONIC STRUCTURE OF PURE METALS, Part A: Electron Theory of Pure Metals. Part B: Fermi Surfaces and Physical Properties of Some Real Metals—W. M. Lomer and W. E. Gardner—Pergamon Press, 1969, 76 p., diagrams, paper, \$3.25. Vol. 14, No. 3 of **PROGRESS IN MATERIALS SCIENCE** (Incorporating Progress in Metals Physics), edited by Bruce Chalmers and W. Hume-Rothery.

FIREARMS AND VIOLENCE IN AMERICAN LIFE—George D. Newton, Jr. and Franklin E. Zimring—National Commission on the Causes and Prevention of Violence (GPO), 1969, 268 p., graphs, paper, \$1.25. Staff report based on scholarly research, presents data on firearms ownership, cause and coincidence of violence, and systems of firearms control.

HORMONES, CELLS AND ORGANISMS: The Role of Hormones in Mammals—P. Catherine Clegg and Arthur G. Clegg—Stanford Univ. Press, 1969, 214 p., illus., \$5.50; paper, \$1.95. Intended to serve as a useful introduction to the study of endocrinology, with emphasis on recent advances in the study of the mechanisms of hormone action at the molecular level.

HUNTERS OF THE NORTHERN ICE—Richard K. Nelson—Univ. of Chicago Press, 1969, 429 p., photographs, \$8.50. A contribution to cultural anthropology, reports on the way of life and the hunting techniques in the Eskimo village of Wainwright, on the Arctic Ocean.

IN DEFENSE OF NATURE—John Hay—Little, Brown, 1969, 210 p., \$4.95. Naturalist's observations on his wanderings along the Atlantic coast, between Newfoundland and Long Island.

INDUSTRIAL TECHNOLOGIES FOR DEVELOPING ECONOMIES—Jack Baranson, introd. by Walter A. Chudson—Praeger, 1969, 168 p., \$12.50. Deals with the subject of new technology for the developing countries from the point of view of economic policy and cultural constraints, economic and social variables, adjustment problems, manufacturing and resource-based processing industries.

THE LURE OF THE POND—Wallace Kirkland—Regnery, 1969, 151 p., illus. by Eugene Karlin, \$6.95. About insects, birds, plants and other life populating a quiet Wisconsin pond.

THE MAGIC OF THE SENSES: New Discoveries in Animal Perception—Vitus B. Dröscher, transl. from German by Ursula Lehrburger and Oliver Coburn—Dutton, 1969, 298 p., plates, drawings, \$8.95. Summarizes for the general reader the findings of modern science about sense perception in humans and animals. Fully annotated.

MANUAL OF INSTRUCTIONS FOR USING THE GOTTSCHALK-GLESER CONTENT ANALYSIS SCALES: Anxiety, Hostility and Social Alienation, Personal Disorganization—Louis A. Gottschalk, Carolyn N. Winget and Goldine C. Gleser—Univ. of Calif. Press, 1969, 176 p., \$6. This volume is designed to serve as a supplement to the following volume.

THE MEASUREMENT OF PSYCHOLOGICAL STATES THROUGH THE CONTENT ANALYSIS OF VERBAL BEHAVIOR—Louis A. Gottschalk and Goldine C. Gleser—Univ. of Calif. Press, 1969, 317 p., \$12.50. Offers a method for the accurate measurement of transient emotional, motivational and cognitive states. Of particular importance in the study of psychophysiological and psychobiochemical processes basic to psychosomatic medicine.

NUCLEAR POWER—W. G. Jensen—Foulis & Co. (Transatlantic Arts), 1969, 176 p., \$12.50. Outlines the post-war energy shortage in Europe and America, the emergence of nuclear power, the European program, and assesses the present situation and prospects for the future.

THE ORIGINS OF CIVILIZATION—Carroll L. Riley—Southern Ill. Univ. Press, 1969, 243 p., illus., charts, \$8.50. An up-to-date synthesis of available knowledge on mankind's beginnings, of the great movements in cultures and civilizations as they flowered and died, from 4000 B.C. to 1000 A.D.

PATTERNS IN THE USE OF BOOKS IN LARGE RESEARCH LIBRARIES—Herman H. Fussler and Julian L. Simon—Univ. of Chicago Press, 1969, 210 p., graphs, \$10. Study designed to find information required to create a library that combines a storage operation of less used books with immediate access facilities to three categories of books—those regularly used, those in groups likely to be used, and those judged by experts to be relevant in general research context.

THE PETER PRINCIPLE—Laurence J. Peter and Raymond Hull—Morrow, 1969, 169 p., illus., \$4.95. Satire explains the reasons behind occupational and administrative inefficiency by the inevitable logic of promotion beyond the last level of competence.

THE POCKET OXFORD DICTIONARY OF CURRENT ENGLISH—F. G. Fowler and H. W. Fowler; rev. by E. McIntosh; etymologies rev. by G. W. S. Friedrichsen—Oxford Univ. Press, 1969, 5th ed., 1048 p., \$3.75. Modernized edition features 32-page supplement of Australian and New Zealand words.

POLAR OPERATIONS—Edwin A. MacDonald—U.S. Naval Institute, 1969, 239 p., photographs, diagrams, maps, \$11.50. Retired Navy Captain draws on his extensive experience in presenting a comprehensive description of operational requirements in both Arctic and Antarctic polar areas.



GRADWOHL

School of Laboratory Technique

Be a medical lab technician! Big demand, good salaries. One-year course for H.S. grads. Enter monthly. Co-ed. Internationally known. M.D. supervised. G.I. approved. Placement service. Catalog:

Stanley Reitman, M.D.,
3528 Lucas Ave., St. Louis, Mo. 63103

THE RIDDLE OF GRAVITATION—Peter G. Bergmann—Scribner, 1969, 270 p., plates, diagrams, paper, \$2.65. Paper edition of 1968 book presenting Einstein's theory of general relativity to the layman.

SASKATOON WETLANDS SEMINAR—Canadian Wildlife Service—Queen's Printer (Ottawa), 1969, 262 p., illus., paper, \$5.25. Transactions of a seminar on small water areas in the prairie pot-hole region, important breeding grounds for North American ducks.

SCIENCE NEWS YEARBOOK 1969/1970—Science Service, introd. by Lee A. DuBridge—Scribner, 1969, 434 p., photographs, diagrams, \$9.95. First in new series of annual reference works, covers the developments in science in 1968, arranged by subject under general headings of biomedicine, space, astronomy, physics and chemistry, earth, engineering and technology, environment and ecology, behavioral and social sciences, science policy, medals and awards; fully indexed.

SUSPENDED ANIMATION: The Research Possibility that May Allow Man to Conquer the Limiting Chains of Time—Robert W. Prehoda, foreword by Arthur P. Rinfret—Chilton Bk. Co., 1969, 211 p., \$7.50. Deals with human hibernation and suspended animation as highly desirable scientific objectives, discusses progress in cryobiology and the question of funding research in reduced metabolism.

TECHNIQUES OF PHOTOSTIMULATION IN BIOLOGY—B. H. Crawford, Ed.—Wiley Interscience, 1969, 317 p., \$15.50. Intended for research workers, chapters deal with radiation sources, optics, spectral quality control, time control, radiation measurement, including description of some worked examples.

THERMAL INSULATION—John F. Malloy—Van Nostrand, 1969, 546 p., diagrams, \$21.50. Integrated design book, covers the subject from the fundamentals of heat transfer through functions and properties of thermal insulation to installation systems details and specifications.

THIS CHANGING EARTH: An Introduction to Geology—John A. Shimer—Barnes & Noble, 1969, 233 p., photographs, illus. by Genevieve Shimer, paper, \$1.75. Topics selected emphasize the everchanging physical aspect of the earth as well as how ideas concerning the earth have constantly changed in response to new information.

ULTRASONICS: Theory and Application—G. L. Gooberman—Hart Pub. Co., 1969, 210 p., diagrams, \$12. Written as an introduction to the properties and practical aspects of ultrasonic waves.

THE UNDERWATER WORLD: A Survey of Oceanography Today—Jim Thorne—Crowell, 1969, 160 p., photographs, \$6.95. Brings together what has been happening in exploration of "inner space," from equipment to findings, from sea life to underwater archaeology, with description of recommended diving locations around the world.

THE URBAN-INDUSTRIAL FRONTIER: Essays on Social and Institutional Goals in Modern Communities—David Popenoe, Ed.—Rutgers Univ. Press, 1969, 176 p., \$7.50. For urban social planners and for those concerned with the trends and goals of such community institutions as the school, the church, and the cultural and social welfare institutions.

THE WEATHER BUSINESS: Observation, Analysis, Forecasting and Modification—Bruce W. Atkinson—Doubleday, 1969, 192 p., photographs, diagrams, maps, \$5.95; paper, \$2.45. Examines each of the aspects in turn, placing emphasis on numerical forecasting and developments during the present World Weather Watch.

Building or Remodeling A Home?

HOME-A-MINUTE KIT Shows how home you will look before you build or remodel. Here's everything to have and know to help save dollars. Dozens of windows, kitchen cabinets, doors, partitions, etc. at 1/4" scale. Arrange furniture, fixtures to suit. Build, dismantle and originate any floor plan. Kit includes 65 pg. book on costs, financing, etc. \$3.95 plus 45c postage & handling. Send Check or M.O. Satisfaction Guar. No C.O.D.'s.

J. W. HOLST, Inc. Dept. SN9, 1005 E. Bay St., East Tawas, Michigan 48730

