

# books OF THE WEEK

**THE ACTION OF HORMONES:** Genes to Population—Piero P. Foa, Ed., assisted by Naomi L. Foa and Albert J. Whitty—Thomas, C. C., 1971, 547 p., photographs, diagrams, \$34.75. Proceedings of a symposium designed to show that hormones perform at different levels of biological integration. Discusses the action of hormones on isolated organs, intact organisms, and on populations.

**ADHESIVES HANDBOOK**—J. Shields—CRC Press, 1971, 355 p., diagrams, tables, \$38.25. Comprehensive reference work, covers the essential factors involved in adhesive bonding, surface preparation, and the bonding process; discusses properties of basic adhesive types, and presents adhesives products tables.

**AFRICAN ELITE:** The Big Men of a Small Town—Joan Vincent—Columbia Univ. Press, 1971, 309 p., photographs, maps, \$11. An anthropological study of a small market town in Uganda, traces the paths to power and leadership in a population made up of migrant workers, peasant farmers and fishermen from 19 different ethnic groups.

**ALAMOGORDO PLUS TWENTY-FIVE YEARS:** The Impact of Atomic Energy on Science, Technology and World Politics—Richard S. Lewis and Jane Wilson, Eds., with Eugene Rabinowitch—Viking Press, 1971, 281 p., \$6.95. Collection of articles gives an authoritative overview of nuclear developments, their international aspects, advances in application and research, and nuclear weapons.

**THE AMERICAN EPHEMERIS AND NAUTICAL ALMANAC for the Year 1972**—Nautical Almanac Office, U.S. Naval Observatory—GPO, 1970, 568 p., diagrams, \$6. Source of basic calculations and data, principal ephemerides, eclipses, risings, settings, and miscellaneous tables.

**ATOMIC ABSORPTION SPECTROSCOPY:** A Practical Guide—R. J. Reynolds and K. Aldous with K. C. Thompson—Barnes & Noble, 1970, 201 p., illus., \$15. A working guide designed to help the engineer, biologist and clinician perform reliable analyses of metallic species in solution, with additional information on advanced techniques and theory.

**BASIC FIRST AID, Books 1-4**—American Red Cross—Doubleday, 1971, 374 p., 232 p., 284 p., 252 p., illus., vinyl covers \$2.95 per set. Explains in simplest terms the best first aid procedures for shock, bleeding, poisoning, injuries, heart attack, bites, fractures, burns, and other safety measures. In question-and-answer form.

**BIOLOGY AND WATER POLLUTION CONTROL**—Charles E. Warren with Peter Doudoroff—Saunders, 1971, 434 p., illus., \$11. Deals with the application of biological thought, investigation and planning, to the problems of water pollution. Addressed to biologist, and other professional people as well as to the interested public.

**BONE MARROW TRANSPLANTATION AND LEUCOCYTE TRANSFUSIONS**—Georges Mathe, Jean-Louis Amiel and Leon Schwarzenberg—Thomas, C. C., 1971, 208 p., photographs, diagrams, \$18.50. Presents the possibilities, limitations and pitfalls of the allogeneic bone marrow graft and white cell transfusions.

**COMPUTER TECHNICIAN'S HANDBOOK**—Brice Ward—TAB Bks., 1971, 480 p., illus., \$10.95; paper, \$7.95. Written for the working technician, explains briefly techniques and circuitry, gives analysis of a typical small computer, and deals with maintenance.

**CORTISONE**—Edward C. Kendall—Scribner, 1971, 175 p., photographs, \$7.95. Autobiography in which the American biochemist and Nobel Prize winner gives his personal account of the years spent in laboratory research which led to the isolation of thyroxin, and the preparation of compound E or Cortisone.

**CRYSTALS AND THE POLARISING MICROSCOPE**—N. H. Hartshorne and A. Stuart—Am. Elsevier Pub. Co., 1970, 4th ed., 614 p., illus., \$29.50. An advanced treatise on polarisation microscopy in transmitted light, contains much new material intended for the use of the mature student and research worker.

**THE DEADLY FEAST OF LIFE**—Donald E. Carr—Doubleday, 1971, 269 p., \$7.95. Encyclopedic examination of the great chain of food; how species eat and what; how they adapt, why some rise, decline and become extinct; the poisons which some plants and animals evolved to protect themselves, and the poisons man has developed.

**THE DEGRADATION OF THE ACADEMIC DOGMA:** The University in America, 1945-1970—Robert Nisbet, foreword by Ward Madden—Basic Bks., 1971, 252 p., \$6.95. Explores the premise that the university of today is the last surviving medieval institution, analyzes the dislocating changes, the politicization of the university; and considers proposals for its revitalization.

**EARLY EXPERIENCE AND VISUAL INFORMATION PROCESSING IN PERCEPTUAL AND READING DISORDERS**—Francis A. Young and Donald B. Lindsley, Eds.—Nat. Acad. of Sciences, 1970, 533 p., illus., \$9.95. Conference papers deal with the role and factors of the visual system, the attentional and perceptual mechanism, early experience and learning, and the role of information processing in perceptual and reading difficulties.

**FERRO-CEMENT BOAT CONSTRUCTION**—Jack R. Whitener—Cornell Maritime Press, 1971, 128 p., photographs, diagrams, \$7.50. A practical guide to every phase involved in construction of the hull, finishing and fitting out of ferro-cement boats.

**A FIELD GUIDE TO AUSTRALIAN BIRDS:** Non-Passerines—Peter Slater and others—Livingston, 1971, 428 p., 43 color plates, illus. by P. Slater, 396 maps by Eric Lindgren, \$10. First of two guides designed for field identification of all species of non-passerine birds on the Australian mainland, in Tasmania and on the dependent islands.

**GEOLOGY OF GIANT PETROLEUM FIELDS:** A Symposium, 1968—Michel T. Halbouty—Am. Assn. of Petroleum Geologists, 1970, 575 p., illus., \$20. Papers range from discussion of the giant oil fields of North America to those of Iran, Rumania and Libya. Contains basic classification, tables of the world's giant fields include data of China and Russia, color maps of six continents show shields, basin locations and gas fields.

**HOW TO CHANGE COLLEGES:** Notes on Radical Reform—Harold Taylor—Holt, 1971, 180 p., \$4.95. A former college president and experienced teacher addresses himself to the sources of student unrest, analyzes student grievances, considers changes in course requirements, academic credit, testing, the English department and the Political Science department.

**HUMAN SEXUAL BEHAVIOR:** Variations in the Ethnographic Spectrum—Donald S. Marshall and Robert C. Suggs, Eds.—Basic Bks., 1971, 302 p., \$10. Consists basically of anthropological descriptions of sexual behavior and attitudes in a series of societies ranging from extreme social inhibition to extreme permissiveness.

**THE IDEAL COMMUNIST CITY**—Alexei Gutnov and others, transl. from Italian by Renee Neu Watkins—Braziller, 1971, 166 p., photographs, drawings, \$6.95. The work of a group of young Russian urbanists, architects and sociologists, develops the design concept for a New Unit of Settlement that incorporates countryside with city, conceiving both as a communication network.

**THE INTERNATIONAL SYSTEM OF UNITS (SI)**—Chester H. Page and Paul Vigoureaux—NBS Spec. Publ. 330 (GPO), 1971, 42 p., paper, 50¢. Approved translation of the French edition published by the International Bureau of Weights and Measures, intended to secure uniformity of nomenclature throughout the English-speaking world. An authoritative description of the modernized metric system.

**INTRODUCTION TO METEOROLOGICAL OPTICS**—R. A. R. Tricker—Am. Elsevier Pub. Co., 1971, 285 p., color plates, illus., \$11. Elementary survey of the field, discusses such phenomena as heiligenschein, rainbow, ice particle haloes, corona and anti-corona, visibility, and includes mathematical appendixes.

**MCGRAW-HILL DIRECTORY AND ALMANAC OF CANADA 1971**—Peter M. Millman and others, Consult. Eds.—McGraw-Hill, 6th ed., 821 p., \$22.50. Up-to-date compendium of facts about Canada, comprehensive, contains over 10,000 complete postal addresses, astronomical and transportation data, Canadian publications, associations, and government information.

**MICROMORPHOLOGICAL FEATURES OF SOIL GEOGRAPHY**—Walter L. Kubišna—Rutgers Univ. Press, 1971, 254 p., color plates, drawings, \$30. Brings together the results of more than 40 years of comparative research on the nature and development of the soils of the earth. Shows how through analysis of thin sections of the living soil it is possible to elaborate a unified concept of the total soils system as it is controlled by environmental factors.

**MIGRAINE:** The Evolution of a Common Disorder—Oliver W. Sacks, foreword by William Goody—Univ. of Calif. Press, 1971, 298 p., illus., \$8.50. Neurologist's treatise on migraines, based on clinical observations, envisages migraine as a *structure* whose forms are part of the nervous system, and as a *strategy* which might be employed to any emotional end.

**NEW WAYS IN FIRST AID**—Joel Hartley, M.D.—Hart Pub. Co., 1971, 320 p., illus. by Nancy Gahan, \$7.50; paper, \$2.45. Emphasis is on new techniques and new ways of treatment, written by physician for laymen. First section explains basic materials and procedures, second deals with specific injuries, accidents and other emergencies. Each step is numbered in proper sequence.

**PARASITIC DISEASES OF WILD MAMMALS**—John W. Davis and Roy C. Anderson, Eds.—Iowa State Univ. Press, 1971, 364 p., illus., \$15. Deals with ectoparasites, endoparasites and protozoa, each chapter provides basic facts about a specific disease, its distribution, transmission, clinical signs, pathology, pathogenesis, diagnosis, treatment and control.

**URBAN POLITICS IN AMERICA**—John H. Baker—Scribner, 1971, 463 p., diagrams, \$12.50. Stressing the need for intergovernmental cooperation in solving the problems of the city, the book presents the city-state and metropolitan-federal relationships, the politics and structure of urban government in America, and its tasks and functions.

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