

New Books

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ASSESSMENT OF MEDICAL CARE FOR CHILDREN—David M. Kessner, Carolyn Kalk Snow and James Singer—Inst. of Medicine (Natl Acad Sci), 1974, 240 p., diagrams, tables, \$8.50; paper, \$6. Study attempts to give for one city—the capital of this country—both quantitative measures of the health status of its children and qualitative estimates of the attitudes of physicians and the families they serve.

ATLAS OF BINARY ALLOYS: A Periodic Index—Karl P. Staudhammer and Lawrence E. Murr—Dekker, 1973, 110 p., tables, \$19.50. An annotated, systematic presentation of essentially all binary phase equilibria, up to 1972.

DIMENSIONS OF A NEW IDENTITY: The Jefferson Lectures in the Humanities—Erik H. Erikson—Norton, 1974, 125 p., \$5.95. First gives a view of the America Jefferson identified with, then relates the Jeffersonian themes to contemporary problems of repression and suppression, moralistic vindication, and liberation by psychoanalytic insight.

DISEASE AND SOCIAL BEHAVIOR: An Interdisciplinary Perspective—Horacio Fabrega, Jr.—MIT Pr, 1974, 360 p., \$14.95. Examines behavioral aspects of human disease. Drawing on the perspectives of the social and biological sciences, the author shows how they are related in medical research, education and theory.

ENERGY: FROM SURPLUS TO SCARCITY?—K. A. D. Inglis, Ed.—Halsted Pr, 1974, 252 p., diagrams, maps, tables, \$21.95. International experts discuss in depth the changed and changing energy scene, the prospects for coal, future petroleum supplies, the use of natural gas, nuclear and other alternative sources, with emphasis on long-term prospects.

A FIELD GUIDE TO PACIFIC COAST SHELLS: Including Shells of Hawaii and the Gulf of California—Percy A. Morris—HM, 1974, 2nd rev. ed., 322 p., 72 plates, drawings, paper, \$3.95. Unabridged softcover edition describes 945 species and subspecies, with photographs grouped to facilitate rapid identification.

GROW YOUR OWN DWARF FRUIT TREES—Ken and Pat Kraft—Walker & Co, 1974, 218 p., photographs, illus. by Thuy Le Ha, map, \$8.95. Handbook for home gardeners, tells how to grow healthy small trees bearing large-size fruit in confined areas, containers, or trained as an espalier in sheltered exposures.

THE LIMITS OF ORGANIZATION—Kenneth J. Arrow—Norton, 1974, 86 p., \$4.95. Nobel Laureate in Economics analyzes in these four lectures the tensions between claims of individual self-fulfillment and those of social conscience and actions, the conflict of goals, and the value of authority.

MARINE MOLLUSCAN GENERA OF WESTERN NORTH AMERICA: An Illustrated Key—A. Myra Keen and Eugene Coan—Stanford U Pr, 1974, 2nd ed., 208 p., drawings, \$8.75. Standard reference work identifies (at the generic level) all sea-shells occurring on the Pacific Coast

between Point Barrow, Alaska, and Baja, California.

MICROBIAL METABOLISM—H. W. Doelle, Ed.—DH & R, 1974, 432 p., diagrams, tables, \$25. With editor's comments, 44 landmark works are presented in the areas of early stages of microbial metabolism, carbohydrate metabolism, metabolism of inorganic compounds, aromatic carbon metabolism, and anaerobic fermentation.

MIND: An Essay on Human Feeling, Vol. II—Suzanne K. Langer—Johns Hopkins, 1974, 412 p., illus., paper, \$3.95. Contains Part IV of the six-part major opus, deals with "The Great Shift," that crucial region of animal psychology where it merges into the complexities of human mentality and specializations, evolving symbols, language and mind.

MOTIVATION AND ACHIEVEMENT—John W. Atkinson and Joel O. Raynor, Eds.—Winston (Halsted Pr), 490 p., diagrams, tables, \$19.95. Book is the culmination of a 25-year program of empirical research on the effects of individual differences in achievement motivation on behavior. Presents accounts of how individual factors influence efficiency and persistence of action.

MULTIPURPOSE MAN—Patrick Goldring—Taping, 1974, 120 p., \$6.95. Analyzes man's relation to his work, employee dissatisfaction with routine jobs, and proposes new solutions for reducing the boredom of work.

NONVERBAL COMMUNICATION: Readings with Commentary—Shirley Weitz, Ed.—Oxford U Pr, 1974, 351 p., illus., \$10; paper, \$4.95. Collection of papers from various areas of nonverbal research—facial expression, voice, gestures, spatial behavior, and multichannel communication.

OILFIELDS OF THE WORLD—E. N. Tiratsoo—Scientific Pr (Gulf Pub Co), 1973, 384 p., photographs, maps, tables, \$25. An inventory of the known oilfields of the world, presents the most important facts about the geology, geography and production history of most of the world's major oilfields.

OXIDE SEMICONDUCTORS—Z. M. Jarzebski, transl. from Polish by B. Grzybowska-Swierkosz; Brian R. Pamplin, Ed.—Pergamon, 1974, 285 p., diagrams, \$18. Monograph reviews the past 15 years of research into oxides, from methods of preparation of oxide compounds, growing single crystals and thin films, to theory of point defects, defects at low and high temperatures.

THE PACIFIC ISLANDERS—William Howells—Scribner, 1974, 315 p., photographs, maps, \$12.50; paper, \$4.95. Authoritative as well as readable, based on the findings of anthropology, archeology and linguistics, the book reviews the settlement of Australia by the aborigines, the prehistory and movements of the Melanesians, Polynesians and Micronesians.

PHILOSOPHY OF BIOLOGICAL SCIENCE—David L. Hull—P-H, 1974, 160 p., diagrams, \$6.95; paper, \$2.95. Deals with contemporary problems that show the interaction between modern biology and contemporary philosophy. When first introduced, each technical term is defined, whether biological or philosophical.

PLANETS, STARS AND NEBULAE studied with photopolarimetry—T. Gehrels, Ed.—U of Ariz Pr, 1974, 1150 p., photographs, diagrams, tables, \$27.50. Sourcebook covers developments in the general theory and techniques of astronomical polarimetry and polarization studies of planetary surfaces and molecules, interstellar polarization, and nebulae.

PLANTS THAT FEED AND SERVE US in Color—Else Hvass—Hippocrene Bks, 1974, 200 p., illus. by E. Mahnewald, \$5.95. Covers 293 species of economic plants, from cereals, vegetables, fruits and fodder plants to medicinals, condiments, dye, fiber and timber producing plants.

PRACTICAL TEST INSTRUMENTS YOU CAN BUILD—Wayne Green, Ed.—TAB Bks, 1974, 192 p., photographs, diagrams, \$7.95; paper, \$4.95. Test equipment projects make use of inexpensive components, and offer a utility in such areas as semiconductor testing devices, measuring volts and rf watts, dipmeters, wave-meters, and crystal testers.

RAISING CHILDREN IN A DIFFICULT TIME: A Philosophy of Parental Leadership and High Ideals—Benjamin Spock, M.D.—Norton, 1974, 280 p., \$7.95. Pediatrician's experienced and common-sense advice shows how tested principles of human relationships still pertain in a changing world, and how mutual respect between parent and child can be established and maintained.

RECENT EARTH HISTORY—Claudio Vita-Finzi—Halsted Pr, 1974, 150 p., diagrams, maps, tables, \$7.95. An account of the physical changes undergone by the earth during Holocene (or Postglacial) times, in the form of a stratigraphical narrative based solidly on radio-carbon dates throughout.

RETREAT FROM SANITY: The Structure of Emerging Psychosis—Malcolm B. Bowers, Jr., M.D.—Human Sciences Pr, 1974, 245 p., \$9.95. Shows through clinical case studies how the developing psychotic finds himself slipping from the world of reality into a new dimension of distorted perception and bizarre thought.

RIEGEL'S HANDBOOK OF INDUSTRIAL CHEMISTRY—James A. Kent, Ed.—VanNos Reinhold, 1974, 7th ed., 902 p., photographs, diagrams, tables, \$37.50. Classic reference on industrial chemistry processes, updated, includes details of pharmaceutical processes and nuclear technology, and covers economic aspects of the chemical industry on a worldwide scale.

SCIENCE OBSERVED: Science as a Social and Intellectual Activity—F. R. Jevons—Crane-Russak, 1974, 186 p., \$11.95. A British view, offers a conceptual framework for considering the various ways of thinking about science—what kind of activity it is, how it works, and how it relates to other social activities in the modern community.

TO THE GOOD LONG LIFE: What We Know About Growing Old—Morton Pomeroy—Universe, 1974, 320 p., \$7.95. Highly readable, broad-based summarization of the insights gained from current gerontological research.

TOXICOLOGY AND PHARMACOLOGY OF VENOMS FROM POISONOUS SNAKES—John H. Brown—C C Thomas, 1973, 200 p., 12 color plates, tables, \$13.75; paper, \$9.95. Comprehensive, world-wide review in simplified form of poisonous snakes, their names, specific localities, their toxicity (tabulated for 127 species), pharmacology of their venoms, and lethality estimates.

WASTES: Solids, Liquids and Gases—Symposium papers, transl. from German by Max Wulfinghoff—Chem Pub Co, 1974, 432 p., photographs, diagrams, \$22.50. Covers the 1969 and 1970 AICHEM meetings, topics range from clean water in chemical industries, novel ventilation system for operating rooms, to reverse osmosis and ultrafiltration.