

books OF THE WEEK

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ANNUAL REVIEW OF ENTOMOLOGY, Vol. 18—Ray F. Smith, Thomas E. Mittler and Carroll N. Smith, Eds.—Annual Reviews, 1973, 512 p., illus., tables, \$12.50. Among topics reviewed are coffee insects, trophic relations of aquatic insects, developments in control of blackflies, and ecology of the true spiders.

CHILDHOOD PSYCHOSIS: Initial Studies and New Insights—Leo Kanner—V H Winston (Halsted Pr), 1973, 283 p., \$10.95. Covers studies from 1943 to 1973 dealing with infantile autism, from early clinical descriptions that stressed the ways in which the autistic syndrome differs from schizophrenia to the latest findings.

CHILDREN ARE CENTERS FOR UNDERSTANDING MEDIA—Susan Rice and Rose Mukerji, Eds.—Assn for Childhood Int'l, 1973, 89 p., photographs, paper, \$3.95. Practical handbook for learning to use film, videotape, television and multi-media to develop forms of teaching and self-expression.

EXPERIMENTS IN METEOROLOGY: Investigations for the Amateur Scientist—Leslie W. Trowbridge—Doubleday, 1973, 270 p., drawings, \$6.95. Presents some 30 experiments, materials needed, construction plans, and suggestions for observations; investigations range from making a cloud model, studying hot-plate mirages, to measuring salinity of the atmosphere.

FORMS AND PATTERNS IN NATURE—Wolf Strache—Pantheon, 1973, 89 p., 88 plates, paper, \$3.95. Reprint (1956) of pictorial work showing the patterns of sky and earth, minerals, the plant world and the animal kingdom.

FUNCTIONAL ANATOMY OF THE EXTREMITIES: Some Electronic and Kinematic Methods of Study—J. Robert Close, M.D.; foreword by Henry J. Ralston—C C Thomas, 1973, 253 p., 177 illus., \$24.75. Presentation combines geometric observations of movements of the skeletal framework and electronic recordings of the controlling neuromuscular events to demonstrate functional anatomy visually.

HEADSTART: A Tragicomedy with Epilogue—James S. Payne and others—Behavioral Pubns, 1973, 253 p., illus., \$9.95; paper, \$4.95. Evaluates the early-childhood education program, the problems experienced with administration, the training of paraprofessionals, transportation, food service, and parent participation.

HEALTH FOODS: Facts and Fakes—Sidney Margolius—Walker & Co, 1973, 293 p., tables, \$6.95. A well-researched and balanced popular presentation of comparative food values and costs of highly advertised organic and natural foods.

THE HIDDEN CURRICULUM—Benson R. Snyder—MIT Pr, 1973, 200 p., paper, \$2.95. Reprint (1971). Study analyzes the effect of the college environment—those non-productive unstated academic and social norms that divert students from creative academic effort.

HOW PEOPLE CHANGE—Allen Wheelis—Harp-Row, 1973, 117 p., \$5. Describes the author-psychiatrist's theory of "self-transcendence," and explains why change requires commitment and work to be effective.

LAND OF THE UNDERGROUND RAIN: Irrigation on the Texas High Plains, 1910-1970—Donald E. Green—U of Texas Pr, 1973, 295 p., photographs, maps, \$9.50. A study of man's use of the High Plains' most

valuable resource, from development of the first large-volume pumping plants through the flourishing years to the present growing alarm over the declining groundwater table.

LANGENSCHIEDT'S NEW COLLEGE GERMAN DICTIONARY: German-English/English-German—Heinz Messinger and Werner Rudenberg—Langenscheidt (Optimum Bk Marketing), 1973, 1,400 p., \$10.95; thumb-indexed \$11.95. Completely revised and reset, contains 150,000 entries including newly coined words of colloquial and idiomatic usage.

LIFEWAY LEAP: The Dynamics of Change in America—Luther P. Gerlach and Virginia H. Hine—U of Minn Pr, 1973, 332 p., \$12.50; paper, \$4.95. Two anthropologists discuss the fundamental changes occurring in the American way of living and provide conceptual tools to place this transformation in perspective.

A MANUAL OF LOWER EXTREMITIES ORTHOTICS—Clayton F. England and others; Miles H. Anderson, Ed-in-Chief—C C Thomas, 1973, 536 p., drawings by Carol J. Deutsch, \$19.50. Offers step-by-step instruction for making most of the more frequently prescribed shoe modifications, knee, ankle and hip orthotic devices.

MARIHUANA USERS AND DRUG SUBCULTURES—Bruce D. Johnson—Wiley-Interscience, 1973, 290 p., diagrams, tables, \$12.95. Presents findings of studies on college student drug use and lifestyles.

MARS AND THE MIND OF MAN—Ray Bradbury, Carl Sagan and others—Harp-Row, 1973, 144 p., 50 photographs, \$7.95. Text presents condensed panel discussion which took place on the eve of Mariner 9's arrival at Mars, as well as essays by panelists made one year later in the light of information transmitted from the planet.

PEACE AND WAR—Charles R. Beitz and Theodore Herman, Eds., foreword by Alan Geyer—W H Freeman, 1973, 435 p., \$11.95; paper, \$4.95. Selected interdisciplinary essays deal with the various approaches to minimizing the threat of war and working out the problems of world peace.

PRACTICAL LABORATORY PLANNING—W. R. Ferguson—Halsted Pr (Wiley), 1973, 147 p., photographs, diagrams, tables, \$14.75. Handbook on the functional design of research laboratory buildings incorporating all the experience in this field accumulated by the Commonwealth Scientific and Research Organization, Australia.

PROGRESS IN NEUROBIOLOGY, Vol. 1, No. 1—G. A. Kerkut and J. W. Phillis, Eds.—Pergamon, 1973, 83 p., plates, diagrams, paper, \$6. Contains two research papers, R. E. Porter's Functions of the Mammalian Cerebral Cortex in Movement, and The Neurobiology of Motivated Behavior by G. J. Mogensson and Y. H. Huang.

READINGS ON ETHICAL AND SOCIAL ISSUES IN BIOMEDICINE—Richard W. Wertz, Ed.—P-H, 1973, 306 p., \$10.95; paper, \$4.95. Deals with such issues as experimentation with human subjects, biological engineering, transplantation, behavior control, mental illness and commitment, and health care delivery.

RESIDUALS MANAGEMENT IN INDUSTRY: A Case Study of Petroleum Refining—Clifford S. Russell—Johns Hopkins U Pr, 1973, 193 p., diagrams, tables, \$11. Seeking to provide a tool for analyzing the cost and enforceability of effluent control standards, the author has developed an industrial model which he applies to a hypothetical petroleum refinery.

SAILPLANES AND SOARING: The Beginner's Lift Into Discovering the Wonders and World of Silent Flight—James E. Mrazek—Stackpole, 1973, 160 p., drawings, \$5.95. Introduces the novice to the sport by explaining the principles and control of the sailplane, how to use upcurrents, winds, clouds and crewing.

SCIENCE AND HUMAN DESTINY—Norman F. Dressel, Richard B. Nehrich, Jr. and Glenn I. Voran—McGraw, 1973, 318 p., photographs, diagrams, paper, \$6.95. Presents science as a human activity, first, the historical development of models and patterns with their underlying concepts, then examining in depth the great principles of science and man's current place in the universe.

SCIENTISTS IN SEARCH OF THEIR CONSCIENCE—Anthony R. Michaelis and Hugh Harvey, Eds.—Springer-Verlag, 1973, 242 p., photographs, paper, \$17.10. Proceedings of a Symposium on the Impact of Science on Society organized by the European Committee of the Weizmann Institute of Science.

THE SEA CHART—Derek Howse and Michael Sanderson, introd. by Rear Admiral G. S. Ritchie—McGraw, 1973, 144 p., 60 maps, \$12.95. Historical survey, illustrated with facsimiles of charts from the collections in the British National Maritime Museum.

SHARKS AND RAYS: A Handbook of the Sharks and Rays of Hawaii and the Central Pacific Ocean—Spencer Wilkie Tinker and Charles J. DeLuca—C E Tuttle, 1973, 80 p., drawings, \$7.25. Written for fishermen and amateur naturalists interested in identifying specimens inhabiting the warm waters of the Central Pacific.

SPARKS—Karl Menninger, M.D.; Lucy Freeman, Ed.—T Y Crowell, 1973, 290 p., \$7.95. Reflections from the records of a pioneer psychiatrist, crusader for penal and jurisprudence reforms. Includes personal memories spanning half a century in time.

SYSTEMIC FUNGICIDES—R. W. Marsh, Ed., with R. J. W. Byrde and D. Woodcock—Wiley, 1973, 334 p., illus., tables, paper, \$8.75. Written by research workers in the field, book covers the subject from nomenclature to results in practice, reporting findings from 1,174 scientific papers published in Europe, Japan and the United States.

TABLES OF MINOR PLANETS—Frederick Pilcher and Jean Meeus—F. Pilcher, 1973, 104 p., paper, \$4. Tabulated data on 1,813 minor planets, named and numbered, groups with special characteristics, and families of minor planets.

THYRISTOR CONTROL—F. F. Mazda—Wiley, 1973, 381 p., diagrams, \$21.50. A detailed treatise on all aspects of thyristor circuits, from the elementary switch concept of the thyristor to design of choppers and inverters, and power semiconductor devices.

TWENTIETH CENTURY INDONESIA—Wilfred T. Neill—Columbia U Pr, 1973, 413 p., photographs, map, \$15; paper, \$4.95. A readable analysis of the complexities of Indonesia and Indonesian attitudes, and their environmental and historical justification.

UNCERTAINTY, CALIBRATION AND PROBABILITY: The Statistics of Scientific and Industrial Measurement—C. F. Dietrich—Wiley, 411 p., diagrams, \$49. Shows how to deal with various types of uncertainty in industrial and scientific work, explains a few simple rules allowing a high degree of approximation, while formulae for the combination of two distributions of any type and range permit a rigorous formulation where essential.

URBAN ENVIRONMENTS AND HUMAN BEHAVIOR: An Annotated Bibliography—Gwen Bell with Edwina Randall and Judith E. R. Roeder—Dowden-Hutchinson, 1973, 271 p., \$15. Bibliography arranged under the categories of human needs, design approaches, social science approaches, and the framework of urban environments.

THE URBAN POLICEMAN IN TRANSITION: A Psychological and Sociological Review—John R. Snibbe and Homa M. Snibbe—C C Thomas, 1973, 610 p., tables, \$16.50; paper, \$11.95. Volume presents solutions and research data, representing various contemporary directions police departments are taking with the help of behavioral scientists.