

books OF THE WEEK

SUPERIOR—Assembled and edited by Arno Karlen, photographs by Charles Steinhacker—Harper and Row, 1970, 116 p., \$22.50

Lake Superior is the largest, deepest and most beautiful of the Great Lakes. It is also the most unsullied, as yet not suffering except in local areas from the kinds of pollution that afflict the other Great Lakes.

Steinhacker's beautiful color photographs make the lovely and often awesome lake a reality for the reader, re-

vealing as they do the esthetic and physical dimensions of what is really an inland sea. Some of the photographs also reveal the incursions of man's filth—which, if unchecked, are quite capable of rendering even this huge oligotrophic body of water eutrophic and ugly.

The text is largely excerpts from accounts of early explorers of Lake Superior and nearby areas, the photographs illustrating what these explorers saw, much of it still relatively pristine.

A foreword by Sen. Gaylord Nelson (D-Wis.) surveys the problems and prospects of the lake, stressing the extreme sensitivity of such a body of water to man's mistakes. The book is large enough—10 by 14 inches—to match its subject. It makes no effort at sophisticated scientific evaluations of the lake. Rather, it shows the reader in simple fashion what nature is like before man's grasp becomes too heavy. This may be the most effective kind of warning.—RG

AMINO-ACID CONTENT OF FOODS AND BIOLOGICAL DATA ON PROTEINS—Food Policy and Food Science Service, Nutrition Division, FAO—FAO (UNIPUB, N.Y.), 1970, 285 p., tables, paper, \$12. Offers analysis of 11 groups of foods, from cereals to yeasts and algae, tabulates statistical data, gives biological data on single foods and mixtures.

ANALYSIS OF TEMPERATE FOREST ECOSYSTEMS—David E. Reichle, Ed.—Springer-Verlag New York, 1970, 304 p., diagrams, map, \$14.50. Includes biological, physical and chemical analyses of the parts and processes of ecosystems, with mathematical analyses providing means of expressing relations between environmental and biological variables.

CHIPMUNK PORTRAIT—B. A. and H. K. Henisch—Carnation Press, 1970, 98 p., 45 photographs by authors, drawings by H. S. Wisher, \$5.95. An essay on chipmunk habits, on their discovery in America by European naturalists, and their role in Indian folklore.

CLIFFORD PINCHOT: Private and Public Forester—Harold Pinkett—Univ. of Ill. Press, 1970, 167 p., illus., \$6.95. A scholarly and readable biography of the career of the first professionally trained American forester and chief agent in the introduction of scientific forestry in the United States.

DECISION-MAKING FOR SPACE: Law and Politics in Air, Sea and Outer Space—Irvin L. White—Purdue Univ. Press, 1970, 277 p., \$6.50. Employs quantitative methods and statistical data analysis in a systematic investigation of whether the principles of international law are applicable to legal problems in outer space.

THE DECISION TO GO TO THE MOON: Project Apollo and the National Interest—John M. Logsdon—MIT Press, 1970, 187 p., \$10. A historical record of the step-by-step developments of the U.S. response to the space race, examines the influence of men and events on the decision to land a man on the moon within the decade.

DEVELOPMENT AND EVOLUTION OF BEHAVIOR: Essays in Memory of T. C. Schneirla—Lester R. Aronson and others, Eds.—Freeman, 1970, 656 p., illus., \$12. Research papers in comparative psychology, social behavior of animals and human behavior, includes theoretical, experimental and field studies.

THE DINOSAURS—W. E. Swinton—Wiley-Interscience, 1970, 331 p., plates, drawings, maps, \$11. Incorporates newly discovered facts in a thorough descriptive paleontology of the Dinosaur Age which lasted over 130 million years, and discusses growth rates, individual age, evidence of accident, disease and reasons for extinction.

A DOCTOR LOOKS AT HEART TROUBLE—Faye S. Lewis, M.D.—Doubleday, 1970, 154 p., \$4.95. Plain talk about the various types of heart disease.

ECO-CATASTROPHE—Editors of Ramparts—Harper, 1970, 158 p., color plates, illus., \$3.95. Brings together some of the aspects of pollution in a frankly radical critique of the progressive deterioration of the American living environment.

ESCAPE FROM ADDICTION—R. Gordon Bell, M.D.—McGraw-Hill, 1970, 201 p., \$5.95. Doctor describes the insidiously operating psychology of progressive habit formation and dependence on alcohol, and the successful methods used at Toronto's Donwood Institute to control and reverse addiction.

ESP, SEERS & PSYCHICS—Milbourne Christopher—Crowell, 1970, 268 p., illus., \$6.95. A professional magician's first-hand investigations and explanations of such phenomena as ESP in animals, fortune telling, tilting tables, dowsing rods, poltergeists and firewalking.

HIGH TEMPERATURE OXIDES. Part I: Magnesia, Lime and Chromite Refractories. Part II: Oxides of Rare Earths, Titanium, Zirconium, Hafnium, Niobium and Tantalum—Allen M. Alper, Ed.—Academic Press, 1970, 358 p., 276 p., illus., \$17, \$16.50. Monographs on refractory materials research.

INELASTIC BEHAVIOR OF SOLIDS—Melvin F. Kanninen and others, Eds.—McGraw-Hill, 1970, 743 p., illus., \$44.50. Battelle Institute Materials Science Colloquium 1969 proceedings, review papers and original research in plastic flow, plasticity and rate dependent deformation, dynamics and fracture.

KINETIC FAMILY DRAWINGS (K-F-D): An Introduction to Understanding Children through Kinetic Drawings—Robert C. Burns and S. Harvard Kaufman, M.D.—Brunner/Mazel, 1970, 160 p., drawings, \$8.95. Analyzes certain manifestations of syndromes observed in action drawings by disturbed children who were instructed to "draw everyone in the family doing something."

LOSS AND GRIEF: Psychological Management in Medical Practice—Bernard Schoenberg and others, Eds.—Columbia Univ. Press, 398 p., \$12.50. Brings together theoretical and practical information on loss and grief in childhood, management of partial loss, psychological, humanistic and biological concepts regarding loss and grief.

MAN AND HIS CULTURE: Psychoanalytic Anthropology after "Totem and Taboo"—Warner Muensterberger, Ed.—Taplinger, 1970, 411 p., \$10. Contributions cover both theory and field work, ranging from a discussion of cultural determinants of individual development to a study regarding the universality of the Oedipus complex.

NATIONAL DRUG CODE DIRECTORY, June 1970—Science Information Facility, FDA—PHS (GPO), 2nd ed., 511 p., paper, \$3.75. Contains computerized descriptions of more than 18,400 drug products, packaged in approximately 34,000 trade packages and marketed by 265 labelers.

THE NONPROFESSIONAL REVOLUTION IN MENTAL HEALTH—Francine Sobey—Columbia Univ. Press, 1970, 239 p., \$10. Based on a study of more than 10,000 non-professionals working in 185 NIMH-sponsored projects across the country, performing such tasks as individual counseling, milieu therapy, case finding and other functions.

PHASE DIAGRAMS: Materials Science and Technology, Vol. I: Theory, Principles and Techniques of Phase Diagrams—Allen M. Alper, Ed.—Academic Press, 1970, 358 p., illus., \$16. Discusses advances in using computer techniques to calculate phase diagrams, deals with improved experimental methods in sintering, diffusion and solidification of metals and ceramic-type materials.

PETROLEUM GEOLOGY OF THE UNITED STATES—Kenneth K. Landes—Wiley-Interscience, 1970, 571 p., maps, diagrams, \$24.95. Geographic approach to petroleum geology aims at determining in what places and under what conditions hydrocarbons are known to have accumulated, thus indicating future petroleum possibilities in a survey of the U.S. from the East to the Pacific.

POLITICAL CONFLICT: Essays in Political Sociology—Morris Janowitz—Quadrangle Bks., 1970, 270 p., \$8.95; paper, \$2.95. Topics covered include the institutional framework, macrosociology and armed conflict, and sociological analysis and policy.

RADIO ASTROPHYSICS: Nonthermal Processes in Galactic and Extragalactic Sources—A. G. Pacholczyk—Freeman, 1970, 269 p., illus., \$13. Addressed to observational radio astronomers and graduate students working on the interpretation of radioastronomical data.

RECENT ADVANCES IN ENGINEERING SCIENCE, Vol. V, Part I and II—A. C. Eringen, Ed.—Gordon & Breach, 1970, 431 p., 382 p., illus., \$37, \$34; paper, \$17.50, \$16.50. Papers and research lectures presented at Sixth Annual Meeting of the Society of Engineering Science. Major themes were micromechanics, composites, electromagnetic solids and devices.

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