

Books of the Week

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THE ANALYTIC S MATRIX: A Basis for Nuclear Democracy—Geoffrey F. Chew—Benjamin, W. A., 103 p., diagrams, \$7.50. A systematic presentation of strong interaction dynamics on the basis of the S matrix, without appeal to field theoretical notions.

THE ASTRONOMICAL AND MATHEMATICAL FOUNDATIONS OF GEOGRAPHY—Charles H. Cotter—Am. Elsevier Pub. Co., 244 p., diagrams by author, \$7. Presents a coherent whole of the mathematical elements of geography, from ideas of the size and shape of the earth to map projections.

BATIK: The Art and Craft—Ila Keller—Tuttle, Charles E., 75 p., illus., \$5. About the history of the technique of "wax writing," batik in Indonesia and modern batik methods.

BERYLLIUM: Its Industrial Hygiene Aspects—Herbert E. Stokinger, Ed.—Academic Press, 394 p., photographs, \$11.60. Gives detailed account of how beryllium and its compounds may be handled safely and what engineering controls are needed in each operation or circumstance.

BRAIN FUNCTION, Vol. III: Speech, Language and Communication—Edward C. Carterette, Ed.—Univ. of Calif. Press, 279 p., illus., \$12. Proceedings of interdisciplinary meeting, papers ranging from a discussion of the history of the neurological study of aphasia to a consideration of linguistic theory as behavioral theory.

CAVES AND THE MARVELOUS WORLD BENEATH US—Robert Stenuit with Marc Jasinski, transl. from French by Harry Pearman—A. S. Barnes & Co., 96 p., photographs by Marc Jasinski, \$5.95. A popularly written book on speleological exploration, on dating and classifying traces of man and on observing cave-dwelling animals.

THE COLLEGE DROPOUT AND THE UTILIZATION OF TALENT—Lawrence A. Pervin, Louis E. Reik and Willard Dalrymple, Eds.—Princeton Univ. Press, 260 p., \$6.50. Discusses from administrative, psychiatric and other points of view the issues, facts, causes and possible solutions of the dropout phenomenon.

A CONTINENT IN DANGER—Vincent Serventy—Reynal (Morrow), 240 p., photographs by the author, many in color, map, \$8.95. A fascinating view of Australia's wildlife and an eloquent plea for preserving its unique marsupials that evolved in 60 million years to fill every possible ecological vacancy on the isolated continent.

DIVISIVENESS AND SOCIAL CONFLICT: An Anthropological Approach—Alan R. Beals and Bernard J. Siegel—Stanford Univ. Press, 185 p., \$6. Based on extensive field research in two widely separated communities, the study offers guidelines for the analysis of conflict situations.

THE DYNAMICS OF THE UPPER OCEAN—O. M. Phillips—Cambridge Univ. Press, 261 p., diagrams, \$11.50. Monograph for oceanographers and applied mathematicians, deals with the movements of surface waves, internal waves and turbulence, their generation and interrelationships.

GLOSSARY OF ATOMIC TERMS—U. K. Atomic Energy Authority—HMSO (Brit. Information Service), 62 p., paper, 70¢. Useful elementary glossary giving the British version of atomic terms.

A GUIDE TO SCIENCE READING—Hilary J. Deason, Ed.—New Am. Lib., 2nd rev. ed., 288 p., paper, 75¢. Annotated bibliography on 1,300 of the best paperbound science books in each of 88 scientific and mathematical classifications, each book graded according to reader background, from uninformed to specialist.

THE HEPATICAE AND ANTHOCEROTAE OF NORTH AMERICA East of the Hundredth Meridian, Vol. 1—Rudolf M. Schuster—Columbia Univ. Press, 802 p., drawings by author, \$20. First volume of a projected three-volume work for the approximately 450 species of hepatics native to the area, the treatment is taxonomical and phylogenetic, with detailed discussion of the evolution of the hepatic flora.

THE HYKSOS: A New Investigation—John Van Seters—Yale Univ. Press, 220 p., illus., \$6.50. A scholarly study of the problems of the

Hyksos' rise to power, their dynasties and nature of rule from the joint perspectives of archaeology and literary criticism.

HYPNOSIS—L. Chertok, M.D., transl. from 3rd French edition by D. Graham—Pergamon Press, 176 p., \$7.25. On the utilization of hypnosis within the psychoanalytic frame of reference and on the techniques of hypnosis applied in research.

IN SEARCH OF THE PRIMITIVE—Lewis Cotlow—Little, Brown, 454 p., photographs, \$8.95. An account of the adventures, perils and rewards of a lifetime of exploration among the primitive peoples of four continents.

KINGDOM OF THE TIDES—Samuel Carter III, foreword by Arthur E. Maxwell—Hawthorn Bks., 160 p., photographs, diagrams, \$3.95. Gives the layman an introduction to the complex subject of tides, their behavior, effect and influence on marine life and man.

LAST CHANCE ON EARTH: A Requiem for Wildlife—Roger A. Caras—Chilton Bks., 207 p., illus. by Charles France, \$12.95. An appeal for the preservation of 40 endangered animals, from Arabian oryx to ivory-billed woodpecker.

MANPOWER POLICIES FOR YOUTH—Eli E. Cohen and Louise Kapp, Eds.; foreword by W. Willard Wirtz—Columbia Univ. Press, 152 p., \$5. Drawn from papers presented at a symposium held by the National Committee in 1964, this volume brings together the views and proposals of leading persons from government, universities, industry, labor and other fields.

MATHEMATICS ON VACATION—Joseph S. Madachy—Scribner, 251 p., diagrams, \$6.95. A selection of mathematical recreation material, such as chessboard placement problems, flexagons, magic squares, alphametics and bouncing billiard balls.

MODERN OPTICAL ENGINEERING: The Design of Optical Systems—Warren J. Smith—McGraw, 476 p., diagrams, \$15. An up-to-date reference for the practising engineer or scientist, covers the entire field, with special emphasis on modern techniques and current applications.

THE OCEAN ADVENTURE: Science Explores the Depths of the Sea—Gardner Soule—Appleton-Century, 278 p., photographs, \$5.95. About the men, their instruments and deep sea vessels that explore the continental shelf, the depths of the oceans and the sea floor.

PEPTIDE SYNTHESIS—Miklos Bodanszky and Miguel A. Ondetti—Interscience, 294 p., diagrams, \$9.50. Monograph written by two experts in the field, gives a concise picture of recent advances in peptide synthesis.

PLASTICS IN BUILDING—Irving Skeist, Ed.—Reinhold, 466 p., illus., \$18. Handbook offering an evaluation of and up-to-date data on the chemistry, properties, functions, engineering behavior and specific applications of plastics in the construction industry, both in the U.S. and abroad.

PORTRAIT OF EGYPT—Lord Kinross—Morrow, 104 p., photographs, \$7.50. Informed and well written short overview of some of the great sights in Egypt and the eras they represent.

THE PSYCHOANALYTIC REVOLUTION: Sigmund Freud's Life and Achievement—Marthe Robert, transl. from French by Kenneth Morgan—Harcourt, 396 p., \$6.95. An assessment of the personality of Freud and his ground-breaking ideas, based on his works and letters.

RADIATION, MAGNETISM AND LIVING THINGS—Daniel S. Halacy, Jr.—Holiday House, 196 p., photographs, \$4.50. Discusses for the

young adult the findings of recent research on the effects on plants, animals and man of electrical fields, radio waves, rays and other forces.

THE SAVAGE MIND—Claude Levi-Strauss, transl. from French—Univ. of Chicago Press, 290 p., plates, illus., \$5.95. Continuation of the author's work on Totemism, shows in depth how primitive people engage in a high level of abstract reasoning different from but not necessarily inferior to that involved in cultivated systematic thought.

SENATOR FULBRIGHT: Portrait of a Public Philosopher—Tristram Coffin—Dutton, 378 p., photographs, \$6.95. A biography of the complex personality of the Senator from Arkansas whose name has become a dictionary term defined in Webster's.

SHOGI: Japan's Game of Strategy—Trevor Leggett—Tuttle, 100 p., illus., \$3.50. The book tells how to play the Japanese version of chess where the captured piece becomes the property of the capturing side to be used for that side's offensive. Shogi pieces to be punched out are part of the book.

THE SOCIAL IMPACT OF CYBERNETICS—Charles R. Dechert, Ed.—Univ. of Notre Dame Press, 206 p., \$7.50. Essays on the impact of the science of communications control on social systems, culture, politics, international developments and other aspects of the human condition.

SOCIOLOGY AND PRAGMATISM: The Higher Learning in America—C. Wright Mills, edited with introd. by Irving Louis Horowitz—Oxford Univ. Press, 475 p., paper, \$2.95. Reprint (1964).

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