

Books of the Week

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ALBERT EINSTEIN: The Man and His Theories—Hilaire Cury, transl. from French by Mervyn Savill—Fawcett Pubns., 160 p., paper, 60¢. A concise and readable biography.

AMERICAN DESERT ANIMALS—B. F. Beebe—McKay, 183 p., illus. by James Ralph Johnson, \$4.25. Blending personal observations and scientific information, the book tells young people in an entertaining way many facts about wildlife in American deserts.

AQUARIUM PLANTS—Gerhard Brunner, transl. from German by Gwynne Vevers—Van Nostrand, 94 p., drawings, paper, \$1.95. About conditions of growth and cultivation of aquarium plants, their classification according to form of growth and leaf characters, with synopses of various species.

ARITHMETIC FOR BILLY GOATS—Donald Barr—Harcourt, 108 p., illus. by Don Madden, \$3.50. An amusing step-by-step development of the binary counting system leading to simple computer arithmetic, for young readers.

ATHLETIC RECORDS: The Whys and Wherefores—George P. Meade—Vantage Press, 190 p., illus., charts, \$3.75. A study of athletic records relating chiefly to championship track, field and swimming events. The author presents in statistical form the pattern of record breaking and discusses the reasons why improvements have occurred.

THE AVALANCHE ENIGMA—Colin Fraser—Rand McNally, 301 p., 41 plates, illus., map, \$6.95. Authoritative description of avalanches and of the processes in the snow-cover that create them, illustrating technical points with accounts of accidents. Explains avalanche blasting operations and rescue methods with graphic detail from the author's own experiences with a skier-rescue organization.

BETA DECAY—C. S. Wu and S. A. Moszkowski—Interscience, 394 p., illus., \$16. Gives a complete, self-contained, but not too specialized treatment of the main features of both nuclear beta decay and leptonic decay of elementary particles. Problems of inversions and of transformations, both nonrelativistic and relativistic, are considered in some detail in the appendices.

THE CHEMISTRY OF A LEMON—A. Harris Stone—Prentice-Hall, 64 p., illus. by Peter P. Plasencia, \$3.50. This book tries a new approach to scientific inquiry for young children—it mainly poses questions, suggests different ways of finding out, letting the young experimenter seek his own answers. Glossary explains scientific terms.

THE CHEMISTRY OF METALLIDES—Ivan Ivanovich Kornilov, transl. from Russian by J. W. Loweberg—Consultants, 156 p., illus., paper, \$22.50. Monograph deals with the theory of metallide reactions, indicates the main factors determining the conditions of formation of solid solutions and heterogeneous alloys based on metallides, and their applications as a new class of inorganic materials.

THE ENGINEER—C. C. Furnas, Joe McCarthy and the Editors of LIFE—Time-Life Bks., 200 p., illus., \$3.95 direct to Time-Life Bks., Time & Life Bldg., Chicago, Ill. 60611. In short essays and well-chosen pictures the book shows how through the centuries the engineer has developed from an ingenious improviser to a systematic specialist who applies scientific knowledge to solve the practical problems of the society in which he lives.

GAETANO, THE PHEASANT: A Hunting Fable—Guido Rocca, transl. from Italian—Harper & Row, 60 p., illus. by Giulio Cingoli and Giancarlo Carloni, \$3.95. This beautifully illustrated children's book tells the story of a hunting season from the point of view of a "thinking" pheasant.

INITIATION OF LABOR: Proceedings of Interdisciplinary Conference on the Initiation of Labor, Princeton, 1963—Jean M. Marshall and Wanda M. Burnett, Eds.—PHS (GPO), 241 p., illus., paper, \$1. Discussion by a group of investigators into the hormonal, physical and nervous influences initiating labor, with bibliography updated through 1965.

INSTITUTE OF ENVIRONMENTAL SCIENCES, 1966 Annual Technical Meeting Proceedings—W. F. Hardgrove and D. M. Rhueble, Eds.—Inst. of Environmental Sciences (National Office), 648 p., illus., paper, \$14. The theme of the meeting, "The Environments and Man",

covered acceleration, acoustic environment, nuclear radiation, oceanic conditions, shock, simulation systems, sterilization, vibration and weightlessness.

MODERN AMERICAN USAGE: A Guide—Wilson Follett, edited and completed by Jacques Barzun with others—Hill & Wang, 436 p., \$7.50. This guide to educated usage and good taste offers besides the alphabetically arranged lexicon, special articles on purism and pedantry, the need of some grammar, the confusion of shall (should) and will (would), and on punctuation.

NASA CONTRIBUTIONS TO CARDIOVASCULAR MONITORING—William J. Jones and Wyatt C. Simpson—NASA SP-5041 (GPO), 43 p., illus., paper, 25¢. Describes technical advances made in aerospace physiological monitoring and suggests their applicability to patient monitoring needs in civilian medicine.

NAVIGATION: Land, Sea and Sky—Hal Hellman—Prentice-Hall, 65 p., illus. by Erwin Schachner, \$3.50. Shows young boys and girls how navigation has developed over the years into the complex science it is today.

NUCLEAR ENERGY FOR DESALTING—Grace M. Urrows—USAEC, Div. of Technical Information, 49 p., illus. paper, single copies free upon request direct to USAEC, P.O. Box 62, Oak Ridge, Tenn. 37830. Informs the layman about the technology and the economics of providing fresh water from salt water with the help of nuclear energy.

OUR DYNAMIC WORLD: A Survey in Modern Geography—A. Joseph Wraight—Chilton Bks., 286 p., plates, diagrams, maps, \$7.95. Geographer's highly readable and correlated presentation to the layman of the environment we live in, the earth's crust, the dynamics of oceans and atmosphere, and climate belts and latitudes.

THE PHYSIOLOGICAL CLOCK: Endogenous Diurnal Rhythms and Biological Chronometry—Erwin Bünning—Springer-Verlag (Academic Press), 145 p., diagrams, \$4.75. Translated from the second German edition (1963), the book emphasizes the physiological kinship of a wide variety of phenomena, showing the great extent to which the physiological clock influences quite different behavior in unicellular organisms, plants, animals and human beings.

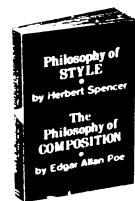
POND LIFE IN THE AQUARIUM—Horst Janus, transl. from German by Gwynne Vevers—Van Nostrand, 64 p., drawings, paper, \$1.95. About setting up a pond aquarium, useful equipment for collecting trips, and about the habits and requirements of the various pond animals.

THE POWER OF THE PURSE: Appropriations Politics in Congress—Richard F. Fenno Jr.—Little, 704 p., \$8.75. An analytical study of the external and internal activities of the appropriations committees of the House and Senate, based on the performance of 36 executive agencies over a 16-year period, including 576 separate appropriations case histories.

REACTIVE & PROCESS SCHIZOPHRENIA—Robert E. Kantor and William G. Herron—Science & Behavior Bks., 184 p., \$8.95. An outline of theories and original research, emphasizes the value of describing schizophrenia as complex social conduct. Viewed within a dimensional developmental theory, the essence of schizophrenia is regression and can be measured by estimates of perceptual and social development.

REHABILITATION COUNSELOR: Helper of the Handicapped—Elizabeth Ogg—Public Affairs Committee, No. 392, 28 p., illus., paper, 25¢ direct to publisher, 381 Park Ave. South, New York 10016. Introduction to a career or volunteer work in vocational rehabilitation.

RETURN FROM SPACE: An Explanation of Re-entry Problems and Factors of Re-entry Ve-



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hicle Design and Performance—Lawrence D. Ely—Thomas, C. C., 147 p., illus., \$7.50. Written for engineers and non-specialists, the book deals with such topics as heat protection, development testing for re-entry vehicles, life support, simulation of re-entry conditions and future re-entry design trends.

SNAP: Nuclear Space Reactors—William R. Corliss—USAEC Div. of Technical Information, 46 p., illus., paper, single copies free upon request direct to USAEC, P. O. Box 62, Oak Ridge, Tenn. 37830. About the uses for nuclear power plants in space, how a reactor space power plant works, technological problems, developments and achievements.

SETTING UP A SCIENCE PROJECT—Ann Stepp—Prentice-Hall, 56 p., illus. by Polly Bolian, \$3.50. Tells beginners how to choose and word a problem, how to plan and build the project, and how to present the final experiment.

SEX IN CHRISTIANITY AND PSYCHOANALYSIS—William Graham Cole—Oxford Univ. Press, 329 p., paper, \$1.95. Reprint (1955), presents a large amount of historical material of past and contemporary Christian thinking, confronting it with psychoanalytic thought and suggesting a critical reconstruction of Christian interpretations of sex.

SOCIAL ORIGINS OF DICTATORSHIP AND DEMOCRACY: Lord and Peasant in the Making of the Modern World—Barrington Moore, Jr.—Beacon Press, 559 p., \$10. A scholarly exploration of the roles played by the landed aristocracy and the peasants in the transformation from agricultural societies to industrial ones in England, France, the United States, China, Japan and India.

SUDDEN DEATH IN INFANTS: Proceedings of the Conference on Causes of Sudden Death in Infants, Seattle 1963—Ralph J. Wedgewood and Earl P. Benditt, Co-Chmn.; Wanda M. Burnett, Ed.—NICHHD (GPO), 165 p., illus., paper, \$1.75; single copies free upon request direct to Inquiries Branch, Public Health Service, Washington, D.C. 20201. Explores the syndrome of "crib deaths" from the viewpoints of pediatricians, pathologists, microbiologists and other scientists. Includes bibliography through 1965.

SYMPOSIUM ON THE DEPOSITION OF THIN FILMS BY SPUTTERING—S. P. Wolosky and others—Consolidated Vacuum Corp., 99 p., illus., paper, \$4. These transactions of symposium co-sponsored by the University of Rochester contain 11 papers on topics ranging from discussion of sputtering processes and film deposition, to sputtered resistive and dielectric films.

UNIFIED THEORY OF RUBBER AND TIRE FRICTION—Hartwig W. Kummer—Pa. State Univ., College of Engineering, 135 p., diagrams, paper, \$4.50. A research report on the frictional behavior of rubber sliders and skidding and slipping tires, presenting a new theory that suggests composition and design improvements.

VISIBLE SPEECH—Ralph K. Potter, George A. Kopp and Harriett Green Kopp—Dover, 439 p., 600 spectrograms, \$12.50. Corrected republication of pioneering work (1947) on the graphic presentation of sound carried out by Bell Telephone Laboratories, with new introduction on recent applications of the spectrograph in phonetics, anthropology, medical diagnosis and underwater sound, following the original development of the spectrograph in teaching the deaf to speak.

WE ARE NOT ALONE: The Search for Intelligent Life in Other Worlds—Walter Sullivan—New Am. Lib., rev. ed., 319 p., plates, diagrams, paper, 75¢. Unabridged, revised reprint (1964) retraces for the lay reader the evolution of man's concept of the cosmos and his scientific efforts to detect intelligent life in outer space.

Extra-Sensory Mind

By Kenneth Walker, F.R.C.P.

"A straightforward account of the broader aspects of extra-sensory perception as reviewed by one who is willing to go beyond ordinary explanations. Walker's point of departure from that of the skeptic consists in his willingness to accept the statistical evidence in favor of the existence of psi. . . . May be recommended."

—Psychiatric Quarterly

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