

books OF THE WEEK

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THE ABBREVIATED CITATION: A Bibliographical Problem—Mary R. Kinney—Am. Lib. Assn., 1967, 57 p., paper, \$2.25. Pointing out the lack of a standard form of reference identifying cryptic abbreviated citations, the author lists and describes sources for identification arranged by subject.

THE AMERICAN SCHOOL: A Sociological Analysis—Patricia Cayo Sexton—Prentice-Hall, 1967, 122 p., paper, \$1.95. A systematic analysis of the problems faced by the contemporary school system and the solutions offered, based on research.

AMERICAN SCIENCE IN THE AGE OF JACKSON—George H. Daniels—Columbia Univ. Press, 1968, 282 p., \$7.95. A study of key issues in the intellectual history of the American scientific community during the first half of the 19th century.

ANNUAL REVIEW OF NUCLEAR SCIENCE, Vol. 17—Emilio Segre, Gerhart Friedlander and H. Pierre Noyes, Eds.—Annual Reviews, 1967, 546 p., diagrams, \$8.50. Topics covered range from the optical model of the nucleon-nucleus interaction to radiation effects on phage and bacterial DNA.

APPLICATIONS OF FUNDAMENTAL THERMODYNAMICS TO METALLURGICAL PROCESSES—G. R. Fitterer, Ed.—Gordon & Breach, 1967, 424 p., diagrams, \$26; paper, \$12. Proceedings of the First Conference on the Thermodynamic Properties of Materials, held at the University of Pittsburgh.

THE BIOLOGY OF THE STRIPED SKUNK—B. J. Verts—Univ. of Ill. Press, 1967, 218 p., illus., \$7.95. Growing out of an original research project to determine the prevalence and degree of interspecific transmission of rabies among various species of carnivorous and insectivorous mammals in northwestern Illinois, the emphasis of the research shifted to evaluating the role of the striped skunk in the epizootiology of the disease.

CELESTIAL NAVIGATION FOR YACHTMEN—Mary Blewitt, rev. Am. ed. by Frank G. Valentini, U.S. Coast Guard Reserve—DeGraff, 1967, 94 p., diagrams, \$4.95. Fully redrawn and updated for U.S. users, the book is written for beginners by a non-mathematician to encourage the reader to take and work out a sight on his own.

CHALLENGE TO THE COURT: Social Scientists and the Defense of Segregation, 1954-1966—I. A. Newby—La. State Univ. Press, 1967, 239 p., \$6.50. Systematic analysis of the appeals and methods with which the racial attitudes of segregationists have sought to defend their point of view.

CHEMICAL ENGINEERING—David H. Killeffer—Doubleday, 1967, 148 p., illus., \$3.95. Designed to give the interested layman an overview of the work of the chemical engineer who acts as link between the laboratory and the production line.

CHEMISTRY OF LEARNING: Invertebrate Research—W. C. Corning and S. C. Ratner, Eds.—Plenum Press, 1967, 468 p., illus., \$25. Interdisciplinary, systematic review of planarian literature

which discusses the biology, behavior and research relevant to memory mechanisms, including research on Hydra, annelids, ants and other invertebrates.

THE COSMIC CLOCKS: From Astrology to a Modern Science—Michel Gauquelin, foreword by Frank A. Brown, Jr.—Regnery, 1967, 250 p., illus., \$4.95. A historical review of man's imaginative speculations and observations on the biologic and psychic relationships in the rhythmic universe about him.

THE DISCOVERY OF ABUNDANCE: Simon N. Patten and the Transformation of Social Theory—Daniel M. Fox—Am. Hist. Assn. (Cornell Univ. Press), 1967, 259 p., \$9. The theme of the book is the emergence of a new concept concerning the social and economic activities of Western man as he approaches an era when enough material wealth could provide every individual with the requisites for survival.

EXCELLENCE IN ENGINEERING—W. H. Roadstrum—Wiley, 1967, 247 p., diagrams, \$8.95. Provides the young engineer with a practical and detailed guide to attaining high standards and discusses concrete steps for solving major problem situations.

FREE AND INEXPENSIVE LEARNING MATERIALS—Joe L. Jackson, Ed.—Div. of Surveys and Field Services, George Peabody College, 1968, 14th ed., 258 p., paper, \$3. Two-thirds of the 3,500 educational aids listed in this biennial annotated compilation are new or have been revised.

FRONTIERS OF CRIMINOLOGY: Summary of the Proceedings of the British Congress on Crime, London, 1966—Hugh J. Klare and David Haxby, Eds., introd. by T. C. N. Gibbens—Pergamon Press, 1967, 147 p., \$7.25. Concise text reflecting the current theories about crime, crime research and research methods, prevention and treatment.

FUEL CELLS: Theory and Application—A. B. Hart and G. J. Womack—Chapman & Hall (Barnes & Noble), 1967, 372 p., \$11.50. Written primarily for the technologist who must evaluate trends and specific advances in fuel cell research and development.

HANDBOOK ON ORCHIDS—Carl Withner with Sarah and Phillips Jesup, Eds.—Brooklyn Botanic Garden, 1967, 81 p., color plates, photographs, paper, \$1.25 direct to publisher, Brooklyn, N.Y. 11225. There are 30,000 recorded orchid species in the world, growing both at sea level and at 14,000 feet above. This manual contains a wealth of information for the amateur greenhouse gardener.

ILLITERACY: A World Problem—Sir Charles Jeffries—Praeger, 1967, 204 p., maps, \$5. Outlines the nature of the problem and discusses special techniques that have been evolved to deal with it, presents world map of illiteracy and actual literacy experiments in specific countries.

THE LIFE OF THE POND—William H. Amos—McGraw-Hill, 1967, 232 p., color photographs, drawings, \$4.95. Describes the complex communities of plants and animals that thrive in natural and man-made ponds that cover almost two million acres in the United States.

THE MAKING OF THE WORKERS' REVOLUTION: Russian Social Democracy, 1891-1903—Allan K. Wildman—Univ. of Chicago Press, 1967, 271 p., \$7.95. A scholarly study of the social forces which were to shape the Revolution of 1905, focusing on the interaction during the 1890's between intellectuals and workers.

MANAGEMENT PLANNING: A Systems Approach—Norbert Lloyd Enrick—McGraw-Hill, 1967, 217 p., diagrams, \$12. A practical guide to the uses of mathematical programming and related techniques of management planning, with case histories.

MEASURE OF THE MOON: Proceedings of the Second International Conference on Selenodesy and Lunar Topography held at the University of Manchester, England, 1966—Zdenek Kopal and Constantine L. Goudas, Eds.—Gordon & Breach, 1967, 479 p., photographs, diagrams, \$37.50. Papers and discussion on lunar librations, selenodetic observations, lunar shape and gravitational field, and the mapping of the lunar surface.

MR. TOMPKINS IN PAPERBACK—G. Gamow—Cambridge Univ. Press, 1967, 186 p., illus. by

author and John Hookham, \$4.50. Hardbound library edition, combines updated and expanded versions of MR. TOMPKINS IN WONDERLAND and MR. TOMPKINS EXPLORES THE ATOM.

NARCOTICS AND THE LAW: A Critique of the American Experiment in Narcotic Drug Control—William Butler Eldridge—Univ. of Chicago Press, 1967, rev. ed., 246 p., \$7.50. Limiting itself to the opiates and their synthetics, this study deals with the nature, origin and means of intake of the chief addictive drugs, social attitudes and misconceptions, and evaluates the legal aspects of narcotics control.

NOT SO RICH AS YOU THINK—George R. Stewart—Houghton, 1968, 248 p., illus. by Robert Osborn, \$5. About facing up to the facts related to sewage, factory effluents, garbage, junk, smoke and other problems created by the affluent and crowded society.

THE PATHS OF THE PLANETS—R. A. R. Tricker—Am. Elsevier Pub. Co., 1967, 240 p., photographs, diagrams, \$9.50. Based upon the use of no more than a simple 2½-inch telescope, the books attempts with a minimum of mathematics to give the amateur insight into the problems connected with the size of the solar system and the laws governing the motion of the bodies.

THE PREVENTION OF HIGHWAY INJURY: Proceedings of a 1967 Symposium—Melvin L. Selzer, Paul W. Gikas and Donald F. Huelke—Highway Safety Research Institute, Univ. of Mich., 1967, 293 p., photographs, diagrams, \$6.50. Research on the problems of the alcoholic driver, vision and medical impairment, biomechanics, and the impact between vehicle occupant and vehicle interior.

PRINCIPLES OF EDUCATIONAL AND PSYCHOLOGICAL MEASUREMENT: A Book of Selected Readings—William A. Mehrens and Robert L. Ebel, Eds.—Rand McNally, 1967, 438 p., \$8.50; paper, \$4.50. Contains articles on measurement theory and scaling, norms, reliability, validity, and item analysis and selection.

PROGRESS IN ELEMENTARY PARTICLE AND COSMIC RAY PHYSICS, Vol. IX—J. G. Wilson and S. A. Wouthuysen, Eds.—Wiley, 1967, 315 p., plates, diagrams, \$15.50. Devoted entirely to cosmic ray reviews, topics range from the dynamical origin of the solar wind and cosmic ray variations to experiments with cosmic ray intensities deep underground.

RADAR ORNITHOLOGY—Eric Eastwood—Methuen (Barnes & Noble), 1967, 278 p., plates, maps, diagrams, \$12. Explains the principles and practice of microwave radar and shows how radar equipment aids the modern ornithologist, tracing in detail the general pattern of migration often performed at altitudes of 1,000 feet above ground.

TOWARD A MATHEMATICS OF POLITICS—Gordon Tullock—Univ. of Mich. Press, 1967, 176 p., diagrams, \$7.95. Applies advanced statistical and mathematical models in a search for general theories and optimum solutions in processes of government, competition, information, persuasion, deceptions and voting systems.

UNDERSTANDING AND COUNSELING THE MALE HOMOSEXUAL—Stanley E. Willis, II, M.D. foreword by Charles William Wahl, M.D.—Little, Brown, 1967, 225 p., \$10. Presents a conceptual framework for understanding the psychodynamics of homosexuality and its motivations, and offers general procedures of psychotherapy.

THE LOGIC OF SWITCHING CIRCUITS

A First Course in Boolean Algebra
by GEORGE P. ROULLARD

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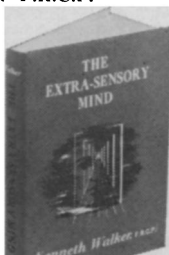
Extra-Sensory Mind

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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