

books OF THE WEEK

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ASTRONOMICAL OBJECTS FOR SOUTHERN TELESCOPES with an Addendum for Northern Observatories—E. J. Hartung—Cambridge Univ. Press, 1968, 238 p., 16 plates, \$8.50. Primarily a handbook for amateur observers of the southern sky, though half of the 1,093 objects listed are visible to an observer at 50° N.

ASTRONOMY AND THE ORIGIN OF THE EARTH—Theodore G. Mehlin—Brown, Wm. C., 1968, 131 p., illus., paper, \$1.95. Addressing the educated layman, the book attempts to explain the theories about the origin of the earth by summarizing the findings of astronomic research.

BEACHES: Their Lives, Legends and Lore—Seon and Robert Manley—Chilton Bks., 1968, 383 p., illus., \$9.50. A treasury of summer reading, about beach birth, tides and erosion, wild-life shelters and battle grounds, shells, wrecks and sports.

CANCER OF THE PROSTATE—F. Balogh and Z. Szendroi, transl. from Hungarian, rev. by D. M. Wallace—Akademiai Kiado (Budapest), 1968, 375 p., plates, diagrams, \$14. Published by the Hungarian Academy of Sciences, the monograph summarizes the incidence, aetiology, pathology, symptoms, course and diagnostics of the disease, together with observations from the authors' own clinical practice. A 74-page bibliography covers the literature of the subject.

CULTURE AND POVERTY: Critique and Counter-Proposals—Charles A. Valentine—Univ. of Chicago Press, 1968, 216 p., \$5.95. Analyzes some recent important studies of poverty, probing beyond statistical methods and abstract conceptualizing, and proposing new techniques for field research.

A DICTIONARY OF GENETICS—Robert C. King—Oxford Univ. Press, 1968, 292 p., diagrams, paper, \$3.95. Comprehensive and up-to-date, concise and authoritative reference to some 4,300 terms used in modern genetics, including chronology, list of laboratories and teaching aids.

ELECTRONIC HOBBYIST'S IC PROJECTS HANDBOOK—Robert M. Brown—TAB Bks., 1968, 159 p., illus., \$6.95; paper, \$3.95. Contains 50 integrated circuit projects for experimenters, hams and audiophiles.

THE EMERGENCE OF METROPOLITAN AMERICA, 1915-1966—Blake McKelvey—Rutgers Univ. Press, 1968, 311 p., photographs, maps, \$10. An analytical study of metropolitan initiative and inadequacy during the last half century, of the progressive loss of civic unity and effectiveness, the involvement of urban communities with the federal government, and the results of various programs of reconstruction.

THE EVIDENCE OF EVOLUTION—Nicholas Hotton III—Francis Hueber, Richard Benson and Clayton Ray—Am. Heritage/Smithsonian Inst. (Van Nostrand), 1968, 160 p., color photographs, drawings, \$4.95. The story of evolution traced through the fossil record and the interaction of living groups with each other and with their environment.

FOSSILS, PALEONTOLOGY AND EVOLUTION—David L. Clark—Brown, Wm. C., 1968, 130 p., drawings, paper, \$1.95. A survey of fossils, their study and what their interpretation means in the context of earth history.

GENETICS AND ANIMAL BREEDING—Ivar Johansson and Jan Rendel, transl. from Swedish by Michael Taylor—Freeman, 1968, 489 p., 180 illus., \$17.50. Comprehensive survey of present-day knowledge of the genetics of farm animals methods for assessing individual breeding values, and the significance and limitations of selective breeding.

HEALTH AND DISEASE IN FOUR PERUVIAN VILLAGES: Contrasts in Epidemiology—

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Alfred A. Buck, Tom T. Sasaki and Robert I. Anderson—Johns Hopkins Press, 142 p., maps, \$5. Results of a multidisciplinary study of four geographically and culturally distinct areas of Peru, representing tropical jungle villages, medium elevation areas, the northern arid zone, and the high Andes.

HEAT BIBLIOGRAPHY 1967—National Engineering Laboratory; W. J. Ramsey, Ed.—HMSO (Brit. Inform. Services, N.Y.), 1968, 384 p., \$9.54. Prepared by the Fluids Group, the bibliography comprises references to papers published in 1967 and earlier years.

INTEGRATED EDUCATION: A Reader—Meyer Weinberg—Glencoe Press, 1968, 376 p., paper, \$4.95. Articles cover the general problem, specific points at issue and prospects for change, the contribution of research, and chronology of major developments.

ISSUES IN URBAN ECONOMICS—Harvey S. Perloff and Lowdon Wingo, Jr., Eds.—Johns Hopkins Press, 1968, 668 p., \$15; paper, \$5. Based on papers presented at 1967 conference sponsored by the Committee on Urban Economics of Resources for the Future. Provides broad overview of the state of the arts, describes key areas of urban economics and discusses policy issues.

IT'S ALL DONE BY NUMBERS—Douglas St. Paul Barnard—Hawthorn Bks., 1968, 128 p., illus. by author, \$4.95. Tells entertainingly how Babylonians, Egyptians, Arabs, Greeks and Romans invented numbers and mathematical ways to solve some of their problems.

ORGANISMIC PSYCHOLOGY AND SYSTEMS THEORY—Ludwig von Bertalanffy—Clark Univ. Press (Barre Pubs.), 1968, 76 p., drawing by Leonard Baskin, \$3.75. In this inaugural lecture in honor of the late Heinz Werner, the author criticizes some contemporary images of man and his nature and calls for science to develop conceptual models of reality without neglecting human concerns.

THE PERSONALITY OF THE ALCOHOLIC: Guises of Dependency—Howard T. Blane—Harper, 1968, 175 p., \$5.95. A clinical analysis of the characteristic traits and behavior of alcoholics, discusses the differences between pathological and nonpathological impulse, sociability and relationships, treatment and prevention.

RECENT ADVANCES IN BIOLOGICAL PSYCHIATRY, Vol. X—Joseph Wortis, Ed.—Plenum Press, 1968, 328 p., illus., \$19.50. Proceedings of the 1967 convention and scientific program of the Society of Biological Psychiatry, papers and summary reports on neuropharmacology, psychopharmacology of learning and memory, EEG and neurophysiology, neurochemistry, behavior and conditioning.

RETRAINING THE UNEMPLOYED—Gerald G. Somers, Ed.—Univ. of Wis. Press, 1968, 351 p., \$10. Ford Foundation research studies, evaluating the effectiveness of recent and current retraining programs for unemployed workers under federal, state, municipal and union-management auspices, judging them by their success in placing workers in useful employment in distressed economic areas.

SEQUENTIAL IDENTIFICATION AND RANKING PROCEDURES with special reference to Koopman-Darmois populations—Robert E. Bechhofer, Jack Kiefer and Milton Sobel—Univ. of Chicago Press, 1968, 420 p., \$17.50. Monograph written for both research workers and practitioners of statistics.

SIX-LEGGED SCIENCE—Brian Hocking—Schenkman Pub. Co., 1968, 200 p., illus., \$4.50. Entomologist writes entertainingly about evolution, adaptability and proliferation of insects.

SPACE LIFE SCIENCES, Vol. I, No. 1, March 1968—Gregg Mamikunian, Ed.—Reidel Pub. Co., Dordrecht-Holland, 152 p., illus., paper, quarterly, subscription \$39.50 a year. Contains articles on space biogenetics, current status of chemical studies on the origin of life, long-term adaption to a weightless environment and other aspects of life in space.

THE STORY OF JODRELL BANK—Sir Bernard Lovell—Harper, 1968, 265 p., 38 photographs, \$5.95. Largely based on diary entries of its founder and director, this chronicle tells how the world's largest radio telescope was built and about projects it has served.

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SYSTEMS ANALYSIS AND POLICY PLANNING: Applications in Defense—E. S. Quade and W. I. Boucher, Eds.—Am. Elsevier Pub. Co., 1968, 453 p., diagrams, \$11.50. A Rand Corporation dissertation, explores the basic concepts, deals in detail with resource analysis and cost-sensitivity analysis, and the construction of models for war games and political analysis.

TELESCOPES IN SPACE—Zdenek Kopal—Faber & Faber (Orbiting Bk. Service, N.Y.), 1968, 140 p., 35 plates, illus., \$7.95. Astronomer's authoritative and readable description of man's progressive efforts to obtain a clearer view of the universe, seeking to penetrate the atmosphere by mounting telescopes on such vehicles as stratospheric balloons, rockets, satellites and orbiting deep space probes.

TEXTBOOKS IN PRINT/1968: Including Related Teaching Materials—Bowker, 1968, 522 p., paper, \$4. An author and title index to elementary, junior and senior high school books and pedagogical books, classified by subject.

THE THEORY OF RANDOM CLUMPING—S. A. Roach—Methuen (Barnes & Noble), 1968, 94 p., diagrams, \$4. Monograph evolves systematically a statistical theory applicable to problems in such diverse fields as air pollution, astronomy, particle physics and bacterial counting.

TRANSLOCATION IN PLANTS—M. Richardson—St. Martin's Press, 1968, 59 p., illus., paper, \$1.50. Discussion of recent advances in the study of the circulation of water, minerals and metabolites within plant tissues via the xylem and phloem.

THE TREATMENT OF VENOMOUS BITES AND STINGS—Herbert L. Stahnke—Ariz. State Univ. Pubs., 1966, rev. ed., 117 p., illus., paper, \$1.50. Presents principles of venomology, the characteristics of important venoms in the U.S., preventive therapy, cryotherapy and other methods of treatment.

UNLESS PEACE COMES: A Scientific Forecast of New Weapons—Nigel Calder, Ed.—Viking Press, 1968, 243 p., \$5.75; paper, \$1.95. Scientists of six countries and several fields of research discuss the new array of weapons of mass destruction and their delivery systems from nuclear explosives through robot weapon systems to infectious dust clouds.

VIOLENCE IN THE STREETS—Shalom Endelman, Ed.—Quadrangle Bks., 1968, 471 p., \$10. Searching for explanations of the origins and forms of violence, the book presents what is known about violence from studies in various professional and academic disciplines.

WORKING WITH THE OSCILLOSCOPE—Albert C. W. Saunders—TAB Bks., 1968, 104 p., illus., \$6.95; paper, \$4.95. A practical workshop manual with pictured text.

THE WORLD OF THE CANADA GOOSE—Joe Van Wormer—Lippincott, 1968, 192 p., photographs by author, \$5.95. A close-up view of Canada geese, their flight and their enemies, life on the brooding grounds, following their migration south, the hunting season and conservation programs.

X-RAY AND ELECTRON METHODS OF ANALYSIS—H. van Olphen and William Parrish, Eds.—Plenum Press, 1968, 164 p., illus., \$12.50. Symposium papers on X-ray and electron microprobe analysis, and on scattering techniques for the determination of surface area, porosity and particle size.

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