

books OF THE WEEK

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AIR POLLUTION—R. S. Scorer—Pergamon Press, 1968, 151 p., color plates, photographs, diagrams, \$7.50; paper, \$4.50. Describes the basic mechanisms whereby pollution is transported and diffused in the atmosphere. Author emphasizes the complexities that make almost every situation unique, abundantly illustrated by photographs.

ANNUAL REVIEW OF MEDICINE, Vol. 19 (1968)—Arthur C. DeGraff and William P. Creger, Eds.—Annual Reviews, 540 p., \$8.50. Articles chosen to present the most significant advances in some 30 fields, ranging from a study of the human complement system in disease to a discussion of endocrine relations between mother and fetus.

ANNUAL REVIEW OF PSYCHOLOGY, Vol. 19 (1968)—Paul R. Farnsworth, Mark R. Rosenzweig and Judith T. Polefka, Eds.—Annual Reviews, 544 p., \$8.50. Presents for the first time chapters on verbal learning and memory, secondary motivational systems, and computer simulation.

THE BIOLOGY OF ESTUARINE ANIMALS—J. Green—Univ. of Wash. Press, 1968, 401 p., illus., \$9.50. Concerned with the physicochemical characteristics of a brackish sea environment, the vegetation that provides food and shelter, and the ways the estuarine animals cope with their environment.

BIO-ORGANIC CHEMISTRY: Readings from Scientific American—Introd. by Melvin Calvin and Margaret J. Jorgenson—Freeman, 1968, 317 p., photographs, illus., diagrams, \$10; paper, \$4.95. Authoritative articles at the introductory level, deal with the chemical and spatial description of macro-molecules, with biological regulators, and topics in biochemistry and molecular biology that depend on a chemical kinetic interpretation.

CENTRAL ASIA—Aleksandr Belenitsky, transl. from Russian by James Hogarth—World Pub. Co., 1968, 250 p., 54 color plates, 89 photographs, \$10. Territory covered includes Uzbek, Tadzhik, Turkmenian and Kirghiz Republics and the southern part of the Kazakh Republic, dealing with the archaeological finds from the Palaeolithic through the Neolithic and Bronze Age.

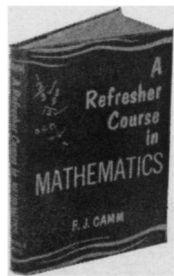
CHANGING MAN: The Threat and the Promise—Kyle Haselden and Philip Hefner, Eds.—Doubleday, 1968, 184 p., \$4.95. Articles by five theologians present the issues of Christian faith and evolutionary thought.

CRANIAL AND POSTCRANIAL SKELETAL REMAINS FROM EASTER ISLAND—Rupert Ivan Murrill—Univ. of Minn. Press, 1968, 105 p., photographs, drawings, maps, \$5.75. An analysis, from the standpoint of physical anthropology, of the human skeletal material which was found by the 1955/1956 expedition in excavations on Easter Island.

CURE FOR CANCER: A National Goal—Solomon Garb—Springer Pub. Co., N.Y., 1968, 309 p., \$6.75. A critical evaluation of current cancer research programs, selecting research approaches that, in the author's opinion, would deserve greater emphasis through a "national goal" approach.

A REFRESHER COURSE IN MATHEMATICS

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CURRENT RESEARCH IN HYPNOPAEDIA—F. Rubin, Ed.—Am. Elsevier Pub. Co., 1968, 350 p., illus., \$13.50. Brings together information on experiments and findings in the investigation of methods of teaching during apparent or partial sleep, including results of Russian research.

DESERT AND RIVER IN NUBIA: Geomorphology and Prehistoric Environments at the Aswan Reservoir—Karl W. Butzer and Carl L. Hansen and others—Univ. of Wis. Press, 1968, 562 p., illus., maps, \$17.50. The result of seven months field work and three years of research, the theme of this book is the geomorphic landscape of southern Egypt, its evolution during the recent geological past, and the tangible evidence of prehistoric man.

DIVING INTO THE PAST: Archaeology Under Water—Hanns-Wolf Rackl, transl. from German by Ronald J. Floyd—Scribner, 1968, 292 p., photographs, \$4.95. From the Greek sponge divers finds in the harbor of Mahdia to the Mayan discoveries by Guatemalan frogmen in Lake Amatitlan, this lively narrative tells of the advances in underwater recovery work.

THE EDUCATION OF SCIENCE TEACHERS—John S. Richardson, Stanley E. Williamson and Donald W. Stotler—Merrill Pub. Co., 1968, 199 p., \$5.75; paper, \$3.75. An appraisal and discussion of the requirements in the preparation of science teachers, improved school science programs, inservice training, institutional innovations, and other educational developments.

THE ELECTRON MICROSCOPE IN BIOLOGY—A. V. Grimstone—St. Martin's Press, 1968, 54 p., illus., \$1.50. Describes briefly how this important tool of biological research works and outlines the information it has yielded so far about the structure and function of living organisms.

THE FARMING OF FISH—C. F. Hickling—Pergamon Press, 1968, 88 p., illus., paper, \$2. Short discussion of the basic elements of fish farming, the quality of water, pond soil, the biology of a fish pond and its stocking, and fish farming in the sea.

THE FOUNDERS OF PSYCHICAL RESEARCH—Alan Gauld—Schocken Bks., 1968, 387 p., \$10. A scholarly examination of the lives, characters and work of Sidgwick, Myers and Gurney who in the late 19th century first undertook serious practical investigations into telepathy, apparitions, mediumship and other "paranormal" phenomena.

FUTURE SPACE PROGRAM AND IMPACT ON RANGE AND NETWORK DEVELOPMENT, Vol. 15 of AAS Science and Technology Series—George W. Morgenthaler, Ed.—Am. Astronautical Soc. Pubns., 1967, 571 p., illus., \$12.75. Symposium papers projecting new requirements stemming from an expanded space program and examining hardware and software developments capable of meeting the new needs.

GUIDE TO REFERENCE BOOKS: First Supplement 1965-1966—Eugene P. Sheehy—Am. Lib. Assn., 1968, 8th ed., 122 p., paper, \$3.50. Updates the Guide by giving annotated descriptions of more than 1,000 reference works published in all fields during 1965-66 period.

A GUIDE TO SCIENTIFIC AND TECHNICAL JOURNALS IN TRANSLATION—Carl J. Himmelsbach and Grace E. Boyd—Special Libraries Assn., 1968, 47 p., paper, \$4.50. Gives information on extent of coverage, status of volume table of contents and indices, extent of reference to original language pagination, relation of translation and original volume, changes in title, "lag time" and publisher.

HELPFUL MICROORGANISMS—Daniel N. Lapedes—World Pub. Co., 1968, 192 p., photographs, diagrams, \$4.50. An introduction to microorganisms in the laboratory, stressing their beneficial aspects in relation to man's food, beverages, vaccines, antibiotics and microbial insecticides.

THE HISTORY OF THE AMERICAN AIRCRAFT INDUSTRY: An Anthology—G. R. Simonson, Ed.—M.I.T. Press, 1968, 276 p., \$12.95. Treats a series of five time periods, from the invention of the airplane in 1903, through the Depression years, World War II, the Korean War and, finally, the missile impact and the space age.

THE HUMAN BRAIN AND SPINAL CORD: A Historical Study Illustrated by Writings from Antiquity to the Twentieth Century—Edwin Clarke and C. D. O'Malley—Univ. of Calif. Press, 1968, 926 p., 158 illus., \$25. Presents selections in chronological order under such chapter headings as neuron, nerve function, the reflex, cerebral convolutions, the cortex, cerebellum, and cerebral circulation.

THE JUNIOR ARCHEOLOGICAL SOCIETY: Organization and Operation—J. Ashley Sibley, Jr.—Clayton's Pub. Div., 1968, 76 p., paper, \$2 direct to publisher, P.O. Box 239, Baton Rouge, La. 70821. Describes the functioning and programs of an active example of scientific supplementary education based on local field resources.

KILAUEA: Case History of a Volcano—Don Herbert and Fulvio Bardossi—Harper, 1968, 191 p., illus., by Joyce Ballantyne, photographs, \$5.95. A popular explanation of the activity of volcanoes all over the world, and a description of the research and observations going on at the Hawaiian Volcano Observatory at Kilauea.

A LIFETIME WITH LIONS—George Adamson—Doubleday, 1968, 286 p., 54 photographs, map, \$5.95. Game warden's own story of his life in an African game reserve, including his experience with retraining tamed lions to resume their life in the wild.

MUSCLE—D. R. Wilkie—St. Martin's Press, 1968, 64 p., illus., paper, \$1.50. Addressing the biology student the booklet presents the most important developments in the field and suggests practical work to help the student understand the mechanism by which muscles operate.

THE OPTOMETRIC PROFESSION—Monroe J. Hirsch and Ralph E. Wick—Chilton Bk. Co., 1968, 359 p., \$8.50. An analysis of the structure of optometry in the United States, comparing it with other professions and with the optometric service in other countries.

OVER LAND AND SEA: A Biography of Glenn Hammond Curtiss—Robert Scharff and Walter S. Taylor—McKay, 1968, 310 p., photographs, \$6.95. Presents the highlights of the dramatic career of the inventor and pioneer aviator who is credited with the first successful take-off from water and who designed the first transatlantic plane.

PROTEIN NUTRITION AND FREE AMINO ACID PATTERNS—James H. Leatham, Ed.—Rutgers Univ. Press, 1968, 227 p., diagrams, \$10. Examines the question of protein evaluations as judged by changes in plasma amino acid concentrations, with emphasis on the influence of dietary modifications and the alterations in plasma amino acids that follow.

SARDIS in the Age of Croesus—John Griffiths Pedley—Univ. of Okla. Press, 1968, 146 p., maps, \$2.95. Reconstructs from archaeological findings the height of Lydian civilization in the historical city of Sardis around 600 B.C.


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