

Books of the Week

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ANCIENT MEN OF THE ARCTIC—J. Louis Giddings—Knopf, 406 p., illus., maps, \$10. Retrospective volume describing the results of Arctic discoveries in fields of dendrochronology, archeology, Eskimo kinship and mythology, that have contributed to our basic understanding of the origin and development of Eskimo cultures.

ANIMAL PARADISE—Christian Zuber, transl. from French by Marguerite Barnett—Barnes, A.S., 152 p., photographs, map, \$5. About men and wildlife in the Galapagos Islands.

AURORA AND AIRGLOW—Billy M. McCormac, Ed.—Reinhold, 689 p., illus., \$28.50. Proceedings of the NATO Advanced Study Institute held in England in 1966, presenting theoretical and experimental papers by top-ranking scientists from major nations.

CAMPAIGNS AGAINST HUNGER—E. C. Stakman, Richard Bradford and Paul C. Mangelsdorf—Harvard Univ. Press, 328 p., photographs, \$7.50. The story of the highly successful agricultural experiment in Mexico, undertaken jointly by the Mexican government and the Rockefeller Foundation.

DRUGS: Medical, Psychological and Social Facts—Peter Laurie—Penguin Bks., 174 p., paper, 95¢. Round-Up of known facts about the use and effects of heroin, marijuana, LSD and other hallucinogens, their cures and control.

THE EARTH BENEATH THE SEA—Francis P. Shepard—Johns Hopkins Press, rev. ed., 242 p., illus., maps, \$6.95. Gives an account of the geological forces that shape the topography of the ocean floor, relating the latest findings of underwater research to the well-established principles of submarine geology.

FOUNDATIONS OF PHYSICS—Mario Bunge—Springer-Verlag, N.Y., 311 p., \$14. Analyzes such key concepts as physical law, time, mass, electromagnetic field and quantum-mechanical system.

FRESH WATER FROM SALTY SEAS—David O. Woodbury—Dodd, 96 p., photographs, diagrams, \$3.50. A readable summary of the processes and projects involved in desalination.

THE GROWTH OF KNOWLEDGE: Readings on Organization and Retrieval of Information—Manfred Kochen, Ed.—Wiley, 394 p., diagrams, \$12.95. Treats the subjects of information retrieval with emphasis on ideas rather than on accomplishments, making the reader aware of the goals and choice of problems for current research and development in information technologies.

THE HANDBOOK OF BIRTH CONTROL—Harvard Medical Research Associates—RAF Bks., 128 p., paper, 95¢. Presents to the layman a detailed description of the 12 principal techniques of birth control, their methods, action, reliability and side effects.

HANDBOOK OF TELEMETRY AND REMOTE CONTROL—Elliot L. Gruenberg, Ed.—in-Chief—McGraw-Hill, 1928 p., illus., \$35. Gathers together available information on fundamental principles of information, communication and control system theory, as well as practical data for both industrial and space applications.

HUMAN LEARNING AND MEMORY: Selected Readings—Norman J. Slamecka, Ed.—Oxford Univ. Press, 543 p., diagrams, paper, \$5. Collection of significant research articles in such areas as interference theory of forgetting, serial learning processes, free recall, short-term memory, and concept formation.

IFE in the History of West African Sculpture—Frank Willett—McGraw-Hill, 232 p., 123 plates, partly color, drawings, \$9.95. Traces bronzes and terracotta sculptures in their cultural and chronological sequence back to their roots in the two-thousand-year-old Nos culture in Northern Nigeria.

INTEGRATED ELECTRONICS—K. J. Dean—Chapman & Hall (Barnes & Noble), 132 p., illus., \$5.25. Develops the fundamentals of thin-film and silicon integrated electronic circuits, and discusses their uses and limitations.

JOURNAL OF MACROMOLECULAR SCIENCE, Part B: Physics, Vol. 1, No. 1—Philip H. Geil, Exec. Ed.—Dekker, M., 196 p., illus., paper, quarterly, \$45 annually. International journal devoted to the publication of significant fundamental contributions to the physics of macromolecular solids and liquids.

KAUAI and the Park Country of Hawaii—Robert Wenkam; Kenneth Brower, Ed.—Sierra Club, 157 p., color photographs, maps, \$25. The story of Hawaii told in the history of its land, the districts of Kekaha and Waimea on Kauai, the story of land manipulation and land management, beautifully illustrated.

LOST HERITAGE OF ALASKA: The Adventure and Art of the Alaskan Coastal Indians—Polly Miller—World Pub. Co., 289 p., graphics by Leon Gordon Miller, maps, \$15. An account of the flowering of creativity among the Tlingits and Haidas, based on contemporary records from the time when the white man first discovered the Alaskan coast.

LOST LAND EMERGING—Walter B. Emery—Scribner, 334 p., photographs, maps, \$7.95. Summarizes for the general reader a record of archaeological excavation and presents an outline of Nubian history compiled from this research.

MAGIC, WITCHCRAFT AND CURING—John Middleton, Ed.—Natural Hist. Press, 346 p., map, \$6.50. Readings of ethnographic accounts of magical beliefs and behavior, covering most of the usual aspects described by anthropologists.

A NATURALIST IN TRINIDAD—C. Brooke Worth—Lippincott, 291 p., illus., by Don R. Eckelberry, maps, \$7.95. A medical scientist working at the Trinidad Regional Virus Laboratory, shares his careful observations of the local wildlife.

THE ODYSSEY OF AN OPTIMIST, MEYER W. WEISGAL: An Anthology by His Contemporaries—Maurice Samuel and others—Atheneum, 268 p., photographs, \$5.95. A tribute to the Zionist most responsible for the existence and growth of the Weizman Institute of Science at Rehovoth, Israel.

PENGUIN TECHNOLOGY SURVEY 1967—Arthur Garratt, Ed.—Penguin Bks., 207 p., illus., paper, \$1.95. Contains articles on recent developments in creative engineering, engineering materials, automation, medical technology and new words to identify new technical concepts.

THE PHYSIOGRAPHY OF ARCTIC CANADA: With Special Reference to the Area South of Parry Channel—J. Brian Bird—Johns Hopkins Press, 336 p., illus., maps, \$15. Based on a series of studies sponsored by the Rand corporation, this volume covers what is known of the physiography of arctic Canada, its physical description and geological history, and the geomorphological processes shaping the present-day landscape.

PRACTICAL MICROSCOPICAL METALLOGRAPHY—Richard Henry Greaves and Harold Wrighton—Chapman & Hall (Barnes & Noble), 221 p., illus., paper, \$6.75. Presents a series of typical photomicrographs, annotated and accompanied by concise account of the results of metallographic investigations of structures and properties.

PROSPECTS OF THE WORLD FOOD SUPPLY: A Symposium—J. George Harrar, Chmn.—Nat. Acad. of Sciences, 84 p., paper, \$1.50. Expert papers dealing with the fundamental requirements for bringing food supplies into balance with a more stable population.

THE PSYCHOLOGY OF INTERPERSONAL BEHAVIOUR—Michael Argyle—Penguin Bks., 223 p., illus., paper, \$1.25. Social psychologist describes recently developed experimental techniques for studying scientifically such factors of social behavior as looks, gestures and tone of voice.

THE SENSES CONSIDERED AS PERCEPTUAL SYSTEMS—James J. Gibson—Houghton, 335 p., illus., \$7.50. The book attempts to explain how our senses, as active interrelated systems, provide continuous, stable information that alone makes adaptive living possible.

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THE SMITHSONIAN: Octopus on the Mall—Geoffrey T. Hellman—Lippincott, 224 p., \$5.95. Essays on the growth and spread of the nation's historical museum, its collections and politics. Most of the material originally appeared in the New Yorker.

SOIL BIOCHEMISTRY—A. Douglas McLaren and George H. Peterson, Eds.—Dekker, M., 509 p., illus., \$22.75. Monograph presents recent research in isolation and characterization of soil biochemicals, metabolism of soil biochemicals, and soil microbe relationships.

SOROBAN: The Japanese Abacus, Its Use and Practice—Japan Chamber of Commerce & Industry—Tuttle, 96 p., illus., paper, \$1.50. A home-study course in the use of the most convenient and efficient instrument of everyday business calculation in Japan.

THE SOUTH AMERICAN HANDBOOK 1967—Howell Davies, Ed.—Trade & Travel Pubns. (Rand McNally), 859 p., maps, \$6.95. Up-to-date traveler's guide to the countries and economies of South America, Central America, Mexico, Caribbean and West Indies.

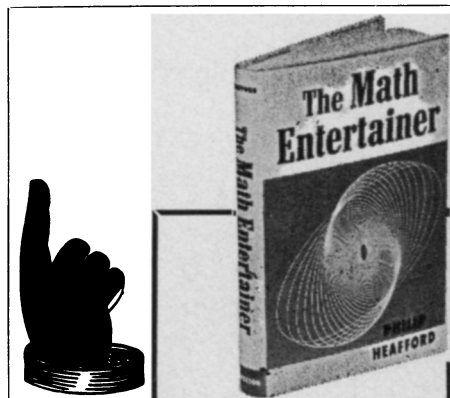
TRACE CHARACTERIZATIONS: Chemical and Physical—W. Wayne Meinke and Bourdon F. Scribner, Eds.—NBS (GPO), 580 p., illus., \$4.50. Contains text of invited lectures and summaries of papers of the 1966 symposium dealing with such topics as electrical measurements, optical and X-ray spectroscopy, sampling and reagents.

WATER POLLUTION: Control and Abatement—Ted L. Willrich and N. William Hines, Eds.—Iowa State Univ. Press, 194 p., illus., \$4.95. Looks at the water problem and its control in one state through the specialized disciplines of engineering, economics, law and political science.

WELDING TRANSFORMERS AND RECTIFIERS—H. P. Zade—St. Martins Press, 128 p., illus., \$7. Addressed to those who have to design, operate or select electric welding plant.

THE WORLD OF THE OPOSSUM—James F. Keefe—Lippincott, 144 p., photographs by Don Wooldridge, \$4.95. Close-ups and observations of the seasonal changes in the life of the opossum.

YOSEMITE NATIONAL PARK—Robert Scharff, Ed. with National Park Service—McKay, 213 p., photographs, \$3.95. Guide to the natural history of Yosemite and its special topographic and geologic features.



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