

Books of the Week

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ACOUSTIC BEHAVIOUR OF ANIMALS—R. G. Busnel, Ed.—Elsevier Pub. Co. (N. Y.), 933 p., illus., \$35. Published for the International Committee on Bio-Acoustics, the volume presents a collection of hitherto largely unpublished data contributed by leading international workers—atomists, zoologists, entomologists, psycho-physiologists and other specialists.

AEROGEOLOGY—Horst F. von Bandat—Gulf Pub. Co., 350 p., photographs, diagrams, \$16.50. An introduction to the practical use of air photographs in geology; the material described in detail covers all climatic conditions, from permafrost to the tropics, from deserts to rainforests all over the world, and the special binding of the volume assures sharp viewing of fully annotated stereoscopic photographs.

ALCOHOL EDUCATION FOR CLASSROOM AND COMMUNITY: A Sourcebook for Educators—Raymond G. McCarthy, Ed.—McGraw, 308 p., \$7.50. Comprehensive source of basic data, written by scientists in a number of disciplines.

ALPHA-HAND, ABC SHORTHAND COURSE: Programed Learner, Workbook and Dictionary—Viola G. Harris—International Educational Services, programed learner box, 33 p., 73 p., 33 1/2 rpm records, \$9.95. A self-teaching program in rapid writing, complete with paper "teaching machine," book of exercises, two dictation records and dictionary.

CLERK MAXWELL AND MODERN SCIENCE: Six Commemorative Lectures—Sir Edward V. Appleton and others, C. Domb, Ed.—Athlone (Oxford Univ. Press), 118 p., illus., \$4. Subjects of lectures deal with interatomic forces, radio and the ionosphere, and the stimulated emission of radiation applied to masers and lasers.

COASTAL PIONEER PLANTS AND HABITAT IN THE TAMPIO REGION, MEXICO—John J. Poggie Jr.—La. State Univ. Press, 62 p., illus., paper, \$3. Collection of data on soil samples and patterns of vegetation of an area that has unprotected exposure to the effects of the sea.

COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, Vol. XXVIII: Synthesis and Structure of Macromolecules—Leonora Frisch, Ed.—Cold Spring Harbor Lab. (N. Y.), 610 p., illus., \$15. The 1963 Symposium dealt with the synthesis and structure of DNA and RNA, transfer RNA, protein synthesis, regulation of synthesis of macromolecules, and amino acid coding.

A COURSE IN MATHEMATICAL ANALYSIS, Vol. II: Intermediate Analysis—Norman B. Haaser, Joseph P. LaSalle and Joseph A. Sullivan—Blaisdell Pub. Co., 677 p., \$11.75. Textbook for a second course in analysis presupposing a knowledge of the calculus of real-valued functions of a real variable.

CRAIG AND FAUST'S CLINICAL PARASITOL-OGY—Ernest Carroll Faust and Paul Farr Russell—Lea & Febiger, 7th ed., 1,099 p., 352 illus., 8 color plates, \$16.50. Thoroughly revised, authoritative text and reference work on protozoa, helminths and arthropods as agents and vectors of disease-producing organisms. Up-to-date data on etiologic agents and methods of diagnosis and treatment.

DATA PROCESSING FOR SCIENCE/ENGINEERING, Vol. I, No. 1—Edith Harwith Goodman, Ed.—Am. Data Processing, 66 p., illus., paper,

monthly, annual subscription \$7.50. Features such articles as computer for deep space, hybrid computation, pattern recognition for diagnosis of facial characteristics, and computer languages.

FRESHWATER ECOLOGY—T. T. Macan—Wiley, 338 p., maps, \$6.50. Attempts to bring together what is known about the various factors affecting ecological systems, such as physical and chemical properties of water, transport, interrelationships, water movement, temperature, oxygen, salinity, calcium and other chemical factors.

GUIDE TO SOUTHERN TREES—Ellwood S. Harrar and J. George Harrar—Dover, 2nd ed., 709 p., illus., paper, \$2.25. Unabridged republication (1946), describes more than 350 arborescent species indigenous to U.S. southern forests.

A HERD OF THE RED DEER: A Study in Animal Behavior—F. Fraser Darling; new preface by author—Doubleday, 226 p., diagrams, paper, \$1.25. Reprint (1956) of a long-term study made by professional stalkers of the red deer in the Highlands of Scotland.

HOW MAN PROVIDES—Bertrand P. Boucher—Home Lib. Press, 56 p., photographs, \$2.95. Gives boys and girls a quick look at the various ways in which people in different parts of the world make their living.

HOW PLANTS GET THEIR NAMES—L. H. Bailey—Dover, 181 p., illus., paper, \$1.15. Reprint (1933), includes list of generic names and of specific names indicating botanical application.

HUMAN SENSES AND PERCEPTION—G. M. Wyburn, R. W. Pickford and R. J. Hirst—Univ. of Toronto Press, 340 p., illus., \$7. Presents in a simple manner an assessment of the contributions of the senses to human experience and activity from the viewpoints of biology, psychology and perception.

INDIAN PALAEOGEOGRAPHY—Ahmad Hasan Dani—Oxford Univ. Press, 297 p., 46 plates, \$10.40. This major study by a Muslim scholar traces the evolution of the scripts originating from the Indian Brahmi and Kharishthi, and their development in Central and Southeast Asia.

INDIANS AT HOME—Robert Hofstede (Gray-Wolf)—Morrow, 95 p., illus. by author, \$2.75. Shows the life and customs that went with the homes of typical tribes, for young readers.

INTERCOM, January-February 1964: Focus on World Population—John D. Rockefeller 3rd and others—Foreign Policy Assn., 72 p., paper, \$1. Presents sources of information and materials relating to the world population problem and reports on what is being done to deal with this problem here and abroad.

LIFE BEYOND THE EARTH: A Study in Exobiology—V. A. Firsoff—Basic Bks., 320 p., 16 plates, \$7.50. Examines, analyzes and defines the chemical and physical nature of life, deals with its origin on earth, subsequent evolution, forms of deviation from human standards, organic chemistries viable in environments beyond the earth, surface conditions on other planets, and theories of genesis of other planetary systems.

MAJOR ACTIVITIES IN THE ATOMIC ENERGY PROGRAMS, January-December 1963—U.S. Atomic Energy Commission, Glenn T. Seaborg, Chmn.—GPO, 512 p., illus., paper, \$1.75. AEC highlights of 1963, nuclear materials, facilities, scientific awards, production and weapons program, nuclear reactor developments, public safety, radioisotope developments, international programs, and regulatory activities.

MAN, MEDICINE AND WORK: Historic Events in Occupational Medicine—Jean Spencer Felton, Julia P. Newman and Donald L. Read—PHS (GPO), 52 p., illus., paper, 40¢. A picture-book historical review of technological change and efforts in the preservation of the workers' health.

MAN'S MOST DANGEROUS MYTH: The Fallacy of Race—Ashley Montagu—World Pub. Co., 4th rev. ed., 499 p., \$7.50. Expanded and updated edition of work first published in 1942, by means of a searching examination of the scientific evidence, it discredits the misconceptions relating to the alleged characteristics of the various ethnic groups.

MARVELLOUS MAMMALS: Monotremes and Marsupials—Bernice Kohn—Prentice-Hall, 63 p., illus. by E. Harper Johnson, \$2.95. Tells boys and girls about platypus, anteatr, kangaroos and opossums.

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MENTAL RETARDATION: Its Nature and Incidence—Joseph F. Jastak, Halsey M. McPhee and Martin Whiteman—Univ. of Delaware Press, 184 p., \$6. Final report of a four-year research project in the State of Delaware, based on an unbiased population sampling derived from all areas and groups within the state.

THE MESSERSCHMITT 109: A Famous German Fighter—Heinz J. Nowarra—Harleyford (Aero Publishers), 184 p., illus. by W. F. Hepworth, photographs, \$9.75. A history of Messerschmitt aircraft and their pilots during the years 1939-45.

MISSILES, MOONPROBES AND MEGAPAR-SECS—Willy Ley—New Am. Lib., 189 p., diagrams, paper, 60¢. Traces the development of rocket propulsion, discusses space probes, and deals in measurement units equal to 326,000,000 light years.

PROBLEMS OF THE PHYSICS OF THE ATMOSPHERE: Collection I—K. Ya. Kondrat'yev and others, transl. from Russian—NASA (OTS), 169 p., diagrams, paper, \$3. On direct measurement of radiative divergence, radiation balance, and infrared absorption functions for the mesosphere and upper stratosphere.

PROGRAMMED BASIC ELECTRICITY COURSE—Milton Rosenberg—Audel (Sams), 263 p., diagrams, \$4. A tested self-study course for beginning students of electricity.

THE RADIO AMATEUR'S HANDBOOK—Headquarters Staff of the American Radio Relay League, Byron Goodman, Ed.—ARRL, 41st ed., 640 p., illus., \$6; paper, \$3.50. Standard manual of amateur radio communication.

RELIABLE ELECTRICAL CONNECTIONS—James A. Gay Jr., Ed.—NASA (OTS), 3rd ed., 67 p., illus., paper, 70¢. A Technology Utilization Handbook, making available to American industry current experience with the handling of wires, soldering, shielding, lacing and printed circuit boards.

SATELLITE OF THE SUN: The Science of the Earth and Its Surroundings—Athelstan Spilhaus, introd. by Allen Tate—Atheneum, 117 p., photographs, paper, \$1.25. Reprint (1958).

SCIENCE: The Glorious Entertainment—Jacques Barzun—Harper, 322 p., \$6. A critical examination of the influence of science—its abstract generalization-liches and fact-breeding specialization—on the public mind and the intellectual disorientation of modern man.

SCIENCE CIRCUS No. 2—Bob Brown—Fleet Pub., 286 p., photographs, illus., \$5.95. Sequel to Science Circus No. 1 (1960), shows boys and girls many tricks and tells the reasons why they work.

SCIENCE CITATION INDEX: An International Interdisciplinary Index to the Literature of Science—Eugene Garfield, Dir.—Inst. for Scientific Information (Philadelphia), 496 p., four quarterlies plus Annual, prepub. price (4/15/64) non-profit org. \$1,000; industry and libraries \$1,600. Source data in initial five volumes taken from 613 key source journals published in 1961 in 28 countries; contains a total of 1,370,000 citations, including 222,000 non-journal.

SCREAMER: Last of the Eastern Panthers—Robert M. McClung—Morrow, 64 p., illus. by Lloyd Sandford, \$2.75. Story for young readers about the life and struggles of a predator that has disappeared from the Eastern states.

SECRETS IN ANIMAL NAMES—Gladys R. Saxon—Prentice-Hall, 70 p., illus. by Edna Miller, \$2.95. Makes boys and girls aware of roots and derivations of scientific, generic and common names in zoology.

SHARKS AND SURVIVAL—Perry W. Gilbert, Ed., with members of the Shark Research Panel of AIBS—Heath, 578 p., illus., \$9.90. Presents research results of scientists throughout the world on the biology and behavior of sharks and related animals as a basis for the improvement of shark repellants.

SMALL ENGINE SERVICE MANUAL—Kenneth F. Long, Ed.—Sams, 7th ed., 328 p., 800 illus., paper, \$4.95. Covers more than 1,300 models, gives service data for engines used on lawn mowers, garden tractors, elevators, mixers and portable electric units.

SMITHSONIAN CONTRIBUTIONS TO ASTROPHYSICS, Vol. 6: Research in Space Science—L. G. Jacchia and others—GPO, 242 p., illus., paper, \$2. Permanent record of significant early research in space science.

SPIDERS AND HOW THEY LIVE—Eugene David—Prentice-Hall, 72 p., illus. by Delos Blackmar, \$2.95. A scientific reader at the primary level.

SPIRALS—Larry Kettelkamp—Prentice-Hall, 40 p., illus. by author, \$3.50. Designed to make children aware of spirals, from curled fern leaf to spiral nebula.

THE TREASURE OF THE GREAT REEF—Arthur C. Clarke with Mike Wilson—Harper, 233 p., photographs, \$4.95. About an undersea expedition exploring for sunken treasure at the Great Basess Reef off Ceylon.

UNESCO IN A DECISIVE DECADE—Harvie Branscomb and others—U.S. National Commission for Unesco, 51 p., paper, single copies free upon request direct to publisher, Washington, D. C. 20520. Reports on important programs in education, oceanography, educational media development, communication and cultural activities.

YOUR HEART HAS NINE LIVES: Nine Steps to Heart Health—Alton Blakeslee and Jeremiah Stampler, M.D.—Prentice-Hall, 269 p., illus., \$4.95. Tells about the preventive measures a person can take to reduce the chances of having a premature heart attack.

• Science News Letter, 85:188 March 21, 1964

Here is a clear, simply written basic guide to logical thinking, showing how to spot the fallacies, the prejudices and emotionalism, the inappropriate analogies, etc., in the other fellow's argument and how to watch for and avoid the irrational in your own judgments. The author makes plain not only how but also why people resist facing the truth.

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