

Books of the Week

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AEROSPACE FACTS AND FIGURES, 1963—Gerald J. McAllister, Ed.—Aero Pubs., 180 p., illus., paper, \$3. Standard reference of latest statistical information on the aerospace industry.

ALCOHOL AND CIVILIZATION—Salvatore Pablo Lucia, Ed.—McGraw, 416 p., \$7.50; paper, \$3.95. Based on symposium on the effects of alcohol and their social implications, followed by interdisciplinary discussion.

THE AMERICAN EPHEMERIS AND NAUTICAL ALMANAC FOR THE YEAR 1965—Nautical Almanac Office, Edgar W. Woolard, Dir.—GPO, 519 p., diagrams, \$3.75. Unified edition with the Astronomical Ephemeris issued by H. M. Nautical Almanac Office, Greenwich Observatory.

CAMARGUE—Michel Droit, transl. from French by Ernest and Adair Heimann—Rand McNally, 196 p., 116 photographs, map, \$7.95. A beautiful book about a little known region of brackish lagoons and sand dunes in southern France, its teeming wildlife and the people that live there.

CHRISTMAS THE WORLD OVER: How the Season of Joy and Good Will Is Observed and Enjoyed by Peoples Here and Everywhere—Daniel J. Foley—Chilton Bks., 128 p., illus. by C. E. Bowden, photographs, \$5.95. About Christmas customs on the five continents, generously illustrated.

THE CULTURAL ROOTS AND THE SOCIAL FRUITS OF SCIENCE—Rene Dubos—Condon Lectures (Univ. of Oregon Bks.), 39 p., illus., paper, \$1.25. A look at science from the historical perspective, "its brilliant achievements, dead end pathways sometimes followed, its potentialities and its limitations."

A DICTIONARY OF BIOLOGICAL TERMS: Pronunciation, Derivation and Definition of Terms in Biology, Botany, Zoology, Anatomy, Cytology, Genetics, Embryology, Physiology—I. F. Henderson and W. D. Henderson; rev. by J. H. Kenneth—Van Nostrand, 8th ed., 640 p., \$12.50. Describes some 16,500 terms, from British and American sources.

DIGITAL COMPUTER DESIGN: Logic, Circuitry and Synthesis—Edward L. Braun—Academic Press,

606 p., diagrams, \$16.50. A reference text designed to provide an introductory treatment of the logical structure, electronic realization and application of digital information processors.

THE DOLPHIN IN HISTORY—Ashley Montagu and John C. Lilly—William Andrews Clark Memorial Lib. U.C.L.A., 55 p., illus., \$2. Two papers delivered at 1962 symposium, discussing the history and distribution of dolphins, and the intelligence of whales, dolphins and porpoises.

A DOZEN DOCTORS: Autobiographic Sketches—Dwight J. Ingle, Ed.—Univ. of Chicago Press, 287 p., photographs, \$5.50. Personal narratives showing the men behind the scientific discoveries which won five of them Nobel Prizes, each one of the writers is also a great teacher.

EGYPT: The Land between Sand and Nile—Alfred Nawrath—Kuemmerly & Frey (Rand McNally), 289 p., 107 photographs, \$19.95. Selections by authorities of Egyptian history and present-day Egypt explore the Nile, the Suez Canal, the Pyramids, Islamic culture and the Aswan Dam, magnificently illustrated.

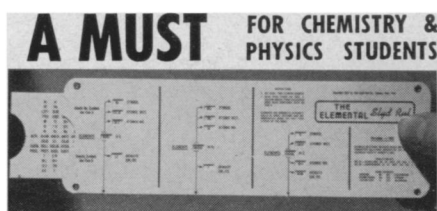
EVOLUTIONARY AND GENETIC BIOLOGY OF PRIMATES, Vol. I—John Buetner-Janusch, Ed.—Academic Press, 327 p., photographs, \$12.50. Written by specialists, the chapters give a critical appraisal of tertiary primates, deal with the nervous system, the skin, the sweat glands and the chromosomes of primates.

A FIELD GUIDE TO ROCKY MOUNTAIN WILDFLOWERS from northern Arizona and New Mexico to British Columbia—John J. Craighead, Frank C. Craighead Jr. and Ray J. Davis—Houghton, 277 p., color plates by authors, illus. by Grant O. Hagen and Eduardo Salgado, \$4.95. An ecologist's guide, describes more than 590 species, stressing the family level and linking the season of bloom with various wildlife phenomena.

FREE AND INEXPENSIVE LEARNING MATERIALS—Div. of Surveys and Field Services, Jack W. Miller, Dir.—George Peabody College for Teachers, 12th ed., 276 p., paper, \$2. Contains titles and sources of more than 4,000 instructional aids, listed by subjects.

GENERAL OCEANOGRAPHY: An Introduction—Gunter Dietrich with Kurt Kalle, transl. from German by Feodor Ostapoff—Wiley, 588 p., illus., folded charts, \$20. Concise presentation of extensive material providing insight into all branches of oceanography with emphasis on recently developed quantitative solutions to oceanographic problems.

THE GEOLOGY OF THE LUNAR BASE—Jack Green—N. Y. Acad. of Sciences, Annals, Vol. 105, Art. 9, 137 p., illus., \$3.50. Study discusses lunar volcanic mechanisms, mineralization, thermal sources, base technology and the metallurgy of basalt.



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GREAT ADVENTURES WITH NATIONAL GEOGRAPHIC: Exploring Land, Sea and Sky—Intro. by Melville Bell Grosvenor, Ed.-in-Chief—Nat. Geographic Soc., 503 p., 583 illus., 19 maps, \$7.95. This 75th anniversary volume presents the highlights of 200 expeditions in the explorers' own words, abundantly illustrated with original photographs.

HAND-TAMING WILD BIRDS AT THE FEEDER—Alfred G. Martin—Bond Wheelwright, 144 p., photographs by author, \$5. For young and old, tells about the best feeders, home-made bird baths and how to tame chickadee, nuthatch, purple finch, catbird and woodpecker.

HOW TO IMPROVE YOUR READING—Paul Witty—Science Res., 277 p., illus., \$4.95. A step by step guide to acquire reading skill while checking your own progress.

INTERNATIONAL LIBRARY DIRECTORY: A World Directory of Libraries—Wales Pub., London, 1,083 p., \$28.50. First edition of a country by country listing of libraries, giving addresses and information about type, subject and language of material.

LECTURES IN THEORETICAL PHYSICS, Vol. V—Wesley E. Brittin, B. W. Downs and Joanne Downs, Eds.—Interscience, 585 p., \$12. Lectures delivered at the Summer Institute for Theoretical Physics, University of Colorado, Boulder, 1962.

PRACTICAL PROJECTS IN RADIO-ELECTRONICS—Samuel L. Marshall and Irving Tepper—Sams, 317 p., illus., paper, \$4.95. A guide for developing both manual skills and technical know-how in the field of electronics.

QUANTUM THEORY OF SOLIDS—C. Kittel—Wiley, 435 p., \$13.50. A modern presentation of the central principles of the quantum theory of solids, with particular emphasis on unifying principles, intended as a one-year graduate course.

RESEARCH IN SPACE SCIENCE, Vol. 6—Luigi G. Jacchia and others—Smithsonian Contrib. to Astrophysics (GPO), 242 p., diagrams, paper, \$2. Collection of contributions from Special Reports 11 through 80, meriting a permanent record.

THE SCENT OF TIME: A Study of the Use of Fire and Incense for Time Measurement in Oriental Countries—Silvio A. Bedini—Am. Philosophical Soc., 51 p., illus., paper, \$2. Monograph on the history of the so-called fire clocks and incense timepieces of ancient China and Japan.

THE SCHOOL LIBRARY AS A MATERIALS CENTER: Educational Needs of Librarians and Teachers in its Administration and Use—Mary Helen Mahar, Ed.—OE (GPO), 84 p., paper, 50¢. Explores requirements for improved use of school library materials in modern instructional programs.

SCIENCE: A Process Approach, Parts One, Two and Three—Gordon E. Allen and others—Am. Assn. for the Advancement of Science, 119 p., 105 p., 133 p., illus., paper, \$2.50 each. Limited printing of material prepared for testing in the earliest grades, sponsored by the Commission on Science Education, designed to awaken joy in the search for knowledge.

SCIENCE IN CZECHOSLOVAKIA—Vladimir Slamecka—Columbia Univ. Press, 175 p., map, \$6. A guide to the organization, topics and information sources of research in the natural and technical sciences in the first country that attempted to plan the volume and content of basic and applied research on a national basis.

SCIENCE IN EAST GERMANY—Vladimir Slamecka—Columbia Univ. Press, 124 p., map, \$5. A guide to the organization, agencies, subject fields and information sources in the reorganized scientific program of East Germany.

2000 YEARS OF SPACE TRAVEL—Russell Freedman—Holiday House, 256 p., illus., \$3.95. Tells young people the story of man's dream to reach other worlds and of the relationship between discoveries of science and classic tales of science fiction.

UHF BUSINESS RADIO HANDBOOK—Leo G. Sands—Sams, 192 p., illus., paper, \$3.95. A guide to UHF transmitters and receivers, mobile and fixed systems, relay stations, antennas, servicing and FCC regulations.

WHAT DOES A BAROMETER DO?—William Courtney—Little, 44 p., illus. by Len Darwin, \$2.75. For elementary grade readers.

X-RAY BONE DENSITY OF INFANTS IN A PRENATAL NUTRITION STUDY: Milbank Memorial Fund Quarterly, Vol. XLI, No. 4, Part 2—Donald Mainland—Milbank Memorial Fund, 106 p., paper, \$1. Includes discussion of bone densitometry in general.

• Science News Letter, 84:364 Dec. 7, 1963

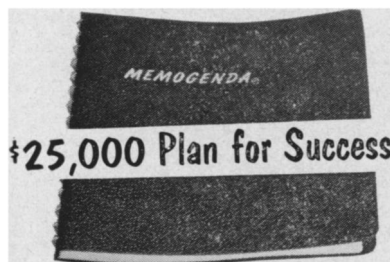
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