

Books of the Week

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THE ANIMAL WORLD: Encyclopedia of the Life Sciences. Vol. 2—Albert Delaunay, Ed. of Series—Doubleday, 159 p., illus., \$9.95. Examines the physiology and evolution of animals, the phenomenon of reproduction and the animal senses of taste and smell; various essays analyze the life, community and communication of the social animal in depth.

THE BEGINNING KNOWLEDGE BOOK OF SNAKES—Marion Lowndes—Macmillan, unpagged, illus., \$1.95. Tells boys and girls about the fascinating world of many kinds of snakes.

BUILDING BROOKLYN BRIDGE—F. Wendroth Saunders—Little, Brown, 64 p., illus., \$3.95. An account of the skill and effort it took to build the "grandfather" of suspension bridges, for young persons.

THE COMMERCIAL DEVELOPMENT AND APPLICATION OF LASER TECHNOLOGY: A Report by Robert Saltonstall Jr. and Associates—Hobbs, Dorman & Co., 143 p., illus., \$18.50. Examines in detail the benefits a laser might provide and the potential market a laser system might achieve.

THE COMMON COLD—Christopher Andrewes—Norton, 187 p., illus., \$4.50. This account of our present knowledge—and ignorance—of colds deals largely with research into the causes of a disease characteristic of civilized man.

COMPUTATION FOR CARDIOVASCULAR RESEARCH—Harold E. Whipple, Ed.—N. Y. Acad. of Sciences, Annals, Vol. 126, Art. 2, 259 p., illus., paper, \$8. Presents examples of computational applications to the laboratory instrumentation of biochemical and radiation physics, especially in the monitoring of the cardiovascular system in patients.

COMPUTING MECHANISMS AND LINKAGES—Antonin Svoboda, Hubert M. James, Ed.—Dover, 359 p., illus., paper, \$2.25. Reprint (1948).

CONCEPTS AND MODELS OF INORGANIC CHEMISTRY—Bodie E. Douglas and Darl H. McDaniel—Blaisdell, 510 p., illus., \$10.50. A course for

the advanced undergraduate student intended to unify the principles and facts of earlier courses with major emphasis on structure and bonding.

CONSTRUCTION AHEAD—Henry Billings—Viking, 160 p., illus., \$3.77. Describes the tasks of highway construction by men and machines from first scale drawings to final landscaping.

DWARF CONIFERS—A Handbook on Low and Slow-Growing Evergreens. This handbook is a special printing of Plants & Gardens, Vol. 21, No. 1.—Helene M. Bergman, Guest Ed.—Brooklyn Botanic Garden, 65 p., illus., paper, \$1. Direct to publisher, 1000 Washington Ave., Brooklyn, N.Y. 11225. Makes clear the characteristics of ten most common groups of conifers as well as some of the less known kinds.

ELECTRONIC CIRCUIT DESIGN HANDBOOK—George Rostky and others, Eds.—Mactier (Tab Books), 254 p., illus., \$14.95. A collection of circuits originally published in EEE, selected for their usefulness and service as building blocks for more specific applications.

THE FEDERAL LANDS: Their Use and Management—Marion Clawson and Burnell Held—Univ. of Neb. Press, 501 p., map, illus., paper, \$1.95. A study of federal land management, uses of land revenues and expenditures.

FOUR NEW MATHEMATICS WORKBOOKS—Irving Adler—Golden Press, each 112 p., illus., paper, \$0.69 each. Workbooks based on the "new math" with self-teaching texts and learning exercises. Grade 1—Learning About Numbers, Grade 2—Mastering Addition and Subtraction, Grade 3—Mastering Arabic Numerals and Grade 4—Mastering Multiplication and Division.

HUMAN MOTIVATION: A Symposium—Marshall R. Jones, Ed.—Univ. of Neb. Press, 87 p., charts, \$4.25. Papers and discussions on motives and behavior as related to psychological as well as physiological influences.

THE HUMAN REVOLUTION—Ashley Montagu—World Pub., 224 p., illus., \$4.95. Delivered as a series of lectures at the National Science Foundation Summer Institute in Anthropology at Flagstaff, Ariz., in 1963, including a discussion of the nature of man, his origins and his development, raising questions basic to his present and continuing existence.

THE INDISPENSABLE MAN—George E. Probst, Ed.—Shorewood Publishers, 129 p., photographs, \$2.95. The story of Thomas A. Edison's life seen in 130 photographs and told in the words of David Sarnoff, Mary Pickford, Harvey S. Firestone Jr., Thomas W. Martin, Giorgio Valerio, Sherman R. Knapp and Walker L. Cislser.

INSIDE ELECTRONICS: The How and Why of Radio, TV, Stereo and Hi-Fi—Monroe Upton—New Am. Lib., 222 p., illus., paper, \$0.60. Fundamentals of modern gadgetry, including diagrams used by the technician, are described without too much technical detail.

LABORATORY METHODS IN INFRARED SPECTROSCOPY—R. G. J. Miller, Ed.—Sadtler Research Labs., Inc., 164 p., illus., \$6.50. A quick reference manual for the laboratory worker.

LET'S FIND OUT ABOUT THE MOON—Martha and Charles Shapp—Watts, 55 p., illus., \$2.50. For boys and girls, serves to answer some questions about our nearest neighbor in space.

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LET'S FIND OUT ABOUT THE SUN—Martha and Charles Shapp—Watts, 47 p., illus., \$2.50. For boys and girls, discusses the physical relationship of the sun to the earth.

LIFE IN OTHER SOLAR SYSTEMS—Frederick I. Ordway, III—Dutton, 96 p., illus., \$3.71. Deals with far-out but possible means of detecting life beyond this solar system, based on the theory that many stars other than the sun have planets and that some of these may have inhabitants.

THE LIVING ORGANISM: Encyclopedia of the Life Sciences, Vol. I—Albert Delaunay, Ed. of Series—Doubleday, 159 p., \$9.95. Investigates the development of organs and tissues, the biochemical and molecular structure of cells, and the theory of mutations.

MECHANICS, MOLECULAR PHYSICS, HEAT AND SOUND—Robert Andrews Millikan, Duane Roller and Earnest Charles Watson—M.I.T. Press, 498 p., illus., paper, \$3.45. A textbook for the student who has mastered trigonometry and who has had the equivalent of a secondary course in physics, includes selected experiments and problems.

MEDICINE FROM MICROBES: The Story of Antibiotics—Beryl Williams and Samuel Epstein—Messner, 191 p., photographs, \$3.95. The story of human determination and achievement representing the true miracle of miracle drugs.

THE NEW ROGET'S THESAURUS OF THE ENGLISH LANGUAGE: In Dictionary Form—Norman Lewis, Ed.—Putnam, 552 p., \$4.50. Dictionary method is used throughout, with each entry listed in alphabetical order and in one vocabulary.

SPHERELAND: A Fantasy About Curved Spaces and an Expanding Universe—Dionys Burger, trans. by Cornelie J. Rheinboldt—Crowell, 208 p., illus. A scientific fantasy written for the scientist and for the reader who wants to get an insight into the problems of curved and expanding space.

TEACHING THE TROUBLED CHILD—George T. Donahue and Sol Nichtern—Free Press, 202 p., \$5.95. Concerns the establishment of adequate programs for emotionally disturbed children in the community based on therapeutic as well as educational principles.

THEORY OF SERVOMECHANISMS—Hubert M. James, Nathaniel B. Nichols and Ralph S. Phillips, Eds.—Dover, 375 p., illus., paper, \$2.25. Reprint (1947), originally published as Vol. 25 in the M.I.T. Radiation Laboratory Series.

ULRICH'S INTERNATIONAL PERIODICALS DIRECTORY: A Classified Guide to a Selected List of Current Periodicals, Foreign and Domestic, 11th Ed., Vol. I—Eileen C. Graves, Ed.—Bowker, 408 p. and 84-p. appendix, \$15. Presents expanded coverage of scientific, technical and medical periodicals from many foreign countries as well as its usual wide inclusion of domestic listings.

USE OF COMPUTERS IN BIOLOGY AND MEDICINE—Robert Steven Ledley, with the assistance of James Bruce Wilson, introduction by The National Academy of Sciences-National Research Council—McGraw, 965 p., illus., \$29.50. Explores the extensive research opportunities afforded by the utilization of computers in the biomedical sciences, the variety of techniques, methods and approaches to problem solving. It is designed to function as a semi-handbook to assist the biological researcher in the technical aspects of computers.

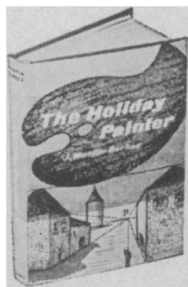
VOICES FROM THE CLAY: The Development of Assyro-Babylonian Literature—Silvestra Fiore—Univ. Okla. Press, 254 p., illus., \$7.95. A comprehensive presentation of Assyro-Babylonian poetry and its spiritual background.

WANDERING THROUGH WINTER: A Naturalist's Record of a 20,000-Mile Journey Through the North American Winter—Edwin Way Teale—Dodd, Mead, 370 p., photographs by author, \$6.50. The last of a four-volume survey of the American seasons shares adventures from the far southwestern corner of the country to the northeasternmost tip of Maine.

WHEN ANIMALS CHANGE CLOTHES—Charles Paul May—Holiday House, 55 p., illus., \$2.75. Introduces to boys and girls some of the changes that take place in animal "clothing" and compares them with human clothing changes.

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