

# Books of the Week

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**ALCOHOL AND ALCOHOLISM**—National Institute of Mental Health—GPO, 1967, 73 p., paper, 50¢. Surveys the present state of knowledge about alcoholism, based on the best scientific information available.

**ANALYSIS AND DESIGN OF INTEGRATED CIRCUITS**—David K. Lynn, Charles S. Meyer and Douglas J. Hamilton, Eds.—McGraw-Hill, 1967, 545 p., illus., \$16.50. Establishes analytical and experimental techniques for the development and design of both circuits and systems within the framework of current IC technology.

**ANIMALS IN OUR WORLD**—Jacques Leconte, foreword by L. Harrison Matthews—Holt, 1967, 152 p., \$4.95. An exploration of the non-human world of animals with emphasis on behavior patterns, social phenomena and analogies, influence of domestication, and infra-human levels of intelligence.

**ANTS FROM CLOSE UP**—L. Hugh Newman—Crowell, 1967, 112 p., photographs by Stephen Dalton and others, \$6.95. More than 70 detailed photographs with informative text introduce the general reader to the busy world of many kinds of ants.

**ASPHALT PAVEMENT ENGINEERING**—Hugh A. Wallace and J. Rogers Martin—McGraw-Hill, 1967, 351 p., illus., \$13.50. Reference work for practising engineers and contractors, includes design tables on all types of asphalt pavements, facilitating design for any given loading and traffic condition.

**A BUYING LIST OF 100 GOOD GEOLOGY BOOKS FOR THE HIGH SCHOOL LIBRARY**—Mark W. Pangborn, Jr.—Geoscience Information Soc., 1967, 7 p., paper, single copies free upon request direct to Wm. H. Matthews, Dept. of Geology, Lamar State College, Beaumont, Texas. Annotated listing of reading material suitable for grades 9 through 12.

**CATALOG OF FREE TEACHING MATERIALS**—Gordon Salisbury—Catalog of Free Teaching Materials, 1967, rev. ed., 290 p., paper, \$2.10 direct to publisher, P.O. Box 1075, Ventura, Calif. 92002. Arranged by subject and graded by reading level, listing includes some ten pages of items in science and technology.

**CHILDREN IN JEOPARDY: A Study of Abused Minors and Their Families**—Elizabeth Elmer with Bertram R. Girdany and others—Univ. of Pittsburgh Press, 1967, 125 p., \$5.95; paper, \$2.50. Child abuse and the "battered child syndrome" are fully treated in this study based on personal interviews of parents and clinical evaluations of children.

**THE COMPLETE MEDICAL GUIDE**—Benjamin F. Miller M.D.—Simon & Schuster, 1967, rev. ed., 633 p., illus. by R. Paul Larkin, \$9.95. An up-to-date reference work to serve the health information needs of the layman, describes major and minor illnesses stressing prevention; dictionary and glossary of medical terms and supplementary family record book are included.

**COMPUTERS, SYSTEM SCIENCE AND EVOLVING SOCIETY: The Challenge of Man-Machine Digital Systems**—Harold Sackman—Wiley, 1967, 638 p., illus., \$14.50. Concerned with the historical origins, status and prospects of computer-assisted experimental methodology for scientific design and development of computer-based systems, the book offers an initial theory and philosophy for scientific development and humanistic control of man-machine systems.

**CONSUMER BULLETIN ANNUAL 1968**—F. J. Schlink and others, Eds.—Consumers' Research, 1967, 224 p., paper, \$2.50. Annual summary of CR's product ratings indexed for quick reference.

**A CRITICAL REVIEW OF RESEARCH IN LAND ECONOMICS**—Leonard A. Salter, Jr., introd. essay by M. M. Kelso—Univ. of Wis. Press, 1967, 258 p., \$7.50; paper, \$2.95. Originally published in 1949, this definitive work on methods of land economics to 1943 is reissued with new introduction.

**CULTURAL ANTHROPOLOGY**—Walter Goldschmidt—Public Affairs Committee, 1967, 41 p., paper, 60¢ direct to publisher, 381 Park Ave. S., New York, N.Y. 10016. Anthropologist probes the question of what makes for human differences and describes in layman's language the process of developing the concept of "culture" in diverse societies.

**DEBATE ABOUT THE EARTH: Approach to Geophysics through Analysis of Continental Drift**—H. Takeuchi, S. Uyeda and H. Kanamori, transl. from Japanese—Freeman, 1967, 253 p., photographs, diagrams by James K. Levorsen, \$4.50. An introduction to geophysics via the story of continental drift, with an analysis of the debate that has ensued since Wegener published his theory in 1912.

**A DIRECTORY OF INFORMATION RESOURCES IN THE UNITED STATES: Federal Government**—National Referral Center for Science and Technology—Library of Congress (GPO), 1967, 411 p., paper, \$2.75. Listing describes more than 1,600 Federal Government resources including information resources sponsored in whole or in part by the Federal Government.

**EDUCATION IN ANESTHESIOLOGY: Report of a Macy Conference**—John P. Bunker, Ed.—Columbia Univ. Press, 1967, 167 p., \$7. Topics discussed were the interrelationship between basic sciences and anesthesiology in the education of medical students, student research, graduate education and teaching anesthesiology overseas.

**EDUCATORS GUIDE TO FREE SOCIAL STUDIES MATERIALS**—Patricia Horkheimer Suttles, Ed., with Wm. H. Hartlev—Educators Progress Service, 1967, 7th ed., 486 p., paper, \$8.50. Identifies selected sponsored resource materials that are currently available.

## PAPER FOLDING MADE EASY!

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**HANDBOOK OF FORMULAS FOR THE ANALYSIS OF COMPLEX FRAMES AND ARCHES**—G. S. Glushkov, I. R. Egorov and V. V. Ermolov, transl. from Russian—IPST (Daniel Davey, N. Y.), 352 p., diagrams, \$15.75. Gives formulas for the computation of joint and support moments, and of support reactions for complex frames and arches under a great variety of loading conditions.

**IN THE STEPS OF THE GREAT AMERICAN HERPETOLOGIST, KARL PATTERSON SCHMIDT**—A. Gilbert Wright—Evans (Lippincott), 1967, 127 p., illus. by Matthew Kalmenoff, \$3.25. Juvenile biography with suggestions for nature projects.

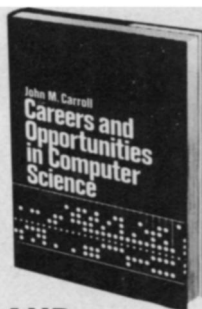
**MATHEMATICS: Its Magic and Mastery**—Aaron Bakst—Van Nostrand, 1967, 3rd ed., 842 p., illus., \$8.75. In narrative form this book about numbers and their relation to life deals entertainingly with the principles and practice of mathematical processes.

**THE MAYA WORLD**—Elizabeth P. Benson—Crowell, 1967, 172 p., photographs, drawings, \$6.95. Traces the development of Mayan culture, in particular their great period of advanced civilization from about A.D. 300 to 900.

**MYSTERIES OF THE UNIVERSE**—William R. Corliss—Crowell, 1967, 216 p., illus., \$5.95. An account of the workings and idiosyncrasies of stars, planets and the solar system, how growth of knowledge evolves out of orderly speculation.

**NEUROPHYSIOLOGY OF POSTURAL MECHANISMS**—Tristan D. M. Roberts—Plenum Press, 1967, 354 p., illus., \$20. Recent findings in electrophysiology and neuroanatomy are applied to the mechanisms regulating postural muscles, concluding with the functions of the cerebellum, vestibular nuclei and reticular formation in coordinating postural activity.

For students, teachers, counsellors—



## CAREERS AND OPPORTUNITIES IN COMPUTER SCIENCE

By John Carroll, *Lehigh Univ.*

Beginning with basics about computers and their applications throughout science and industry, this book tells how to plan and build a career in this mushrooming field—in general or specialized programming, in systems analysis, in managerial functions. Tells how to prepare and what salary ranges to expect in this highly rewarding area. Photographs, bibliography. \$3.95

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