

Books of the Week

For the editorial information of our readers, books received for review are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C.

ADVANCES IN MORPHOGENESIS, Vol. I—M. Abercrombie and Jean Brachet, Eds.—*Academic*, 445 p., illus., \$12.50. Intended to link up the various branches of biology that deal with development, such as research on the embryology of ascidians, on regeneration of vertebrate appendages, and on limb morphogenesis.

ADVANCES IN X-RAY ANALYSIS, Vol. 4—William M. Mueller, Ed.—*Plenum Press*, 568 p., illus., \$15. Proceedings of the Ninth Annual Conference on Application of X-Ray Analysis, held August 10-12, 1960, in Denver, Colo.

BASIC MATHEMATICS, Vol. 2—Norman H. Crowhurst—*Rider, J. F.*, 138 p., illus., paper, \$3.90. Uses "pictured-text" techniques to introduce algebra, geometry and trigonometry as ways of thinking in mathematics.

BIRD STUDY—Andrew J. Berger—*Wiley*, 389 p., illus., \$9. One-semester course in ornithology for liberal arts students. Emphasis is on the living bird and primarily on North American birds.

GENETIC PERSPECTIVES IN DISEASE RESISTANCE AND SUSCEPTIBILITY—Richard H. Osborne, Ed., introd. by Henry A. Wallace—*N. Y. Acad. of Sciences, Annals*, Vol. 91, Art. 3, 225 p., illus., paper, \$4.50. On adaptation in man and animals, on genetic errors of metabolism, and on genetic resistance and susceptibility to infectious disease.

GUATEMALA: The Land and the People—Nathan L. Whetten—*Yale Univ. Press*, 399 p., illus., \$6. Comprehensive study of Guatemala's rural population, its institutions, economy, problems and outlook.

A GUIDE TO TECHNICAL LITERATURE PRODUCTION: A Concise Handbook of Production Methods—Emerson Clarke—*TW Publishers*, 192 p., illus., paper, \$3. Training course discussing the elements and organization of production and the technical writer's job.

A HANDBOOK OF EMOTIONAL ILLNESS AND TREATMENT: A Contemporary Guide with Case Histories—Richard C. Robertello, M.D.—*Argonaut Bks.*, 159 p., \$3.95. Intended to enable the reader to obtain a better understanding of himself and others.

HANDBOOK OF THERMOPHYSICAL PROPERTIES OF SOLID MATERIALS, Vol. I: Elements (Melting Temperature above 1000°F)—Alexander Goldsmith, Thomas E. Waterman and Harry J. Hirschhorn—*Pergamon*, rev. ed., 758 p., in loose-leaf binder, vols. 2-5 June/August, \$90 per set. Each volume designed to be expandable for inclusion of additional or revised data sheets.

IN VITRO AND IN VIVO EFFECTS OF AMINE BUFFERS—Gabriel G. Nahas, Ed.—*N. Y. Acad. of Sciences, Annals*, Vol. 92, Art. 2, 479 p., illus., paper, \$4.50. Series of papers resulting from a conference held by the Academy in December 1960.

KNOW ABOUT HORSES: A Ready Reference Guide to Horses, Horse People and Horse Sports—Henry Disston—*Devin-Adair*, 216 p., illus. by Jean Bowman, \$6.95. Acquaints the interested reader with a wide variety of terms and facts about horses.

PLASMAS AND CONTROLLED FUSION—David J. Rose and Melville Clark, Jr.—*Wiley*, 493 p., illus., \$10.75. Text on the principles underlying plasma physics, for graduate students in the physical sciences and engineering fields.

PROBLEMS IN QUANTUM MECHANICS—I. I. Gold'man and V. D. Krivchenkov; ed. by B. T. Geilikman, transl. from Russian by E. Marquit and E. Lepa—*Addison-Wesley*, rev. ed., 275 p., \$8.50. Problems, answers and solutions, designed for use with Landau-Lifschitz quantum mechanics nonrelativistic theory.

ADVANCED JUDO AND SELF-DEFENCE

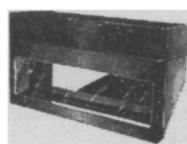
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PROCEEDINGS OF A CONFERENCE ON RESULTS OF THE FIRST U. S. MANNED SUBORBITAL FLIGHT—Introd. by Hugh L. Dryden and Lloyd V. Berkner—*GPO*, 76 p., illus., paper, 50¢. Papers of 1961 Conference of NASA with National Institutes of Health and National Academy of Sciences.

THE SCIENCE OF GENETICS—Charlotte Auerbach—*Harper*, 273 p., illus. by Inge G. Auerbach Linker, \$5.95. Written by geneticist for general reader to provide the indispensable knowledge without which the most recent advances in genetics cannot be understood.

THE SCIENTIFIC APPROACH TO CAREER PLANNING—M. C. Cobb, foreword by David A. Shepard—*Lantern Press*, 142 p., \$3.95. Shows how the process of inductive inference (result of scientific observation, experiment and reasoning) can be applied to the subject of career planning.

TAKE A NUMBER: New Ideas + Imagination—More Fun—Jeanne Bendick and Marcia Levin—*Whittlesey House*, 63 p., illus. by J. Bendick, \$2.50. Amusingly presented, shows grade school youngsters some of the innumerable uses for number concepts and numeration.

TEACH YOURSELF BOTANY—John H. Elliott—*Roy Pubs.*, 214 p., illus., \$2.75. Brief outline of the scope of the science known as botany.

TEACH YOURSELF METEOROLOGY—"Aeolus"—*Roy Pubs.*, 2nd ed., 167 p., illus., \$2.75. Little book explaining the behavior of the atmosphere without mathematics and outlining principles by which one can predict this behavior from observations.

THE TORCH LIGHTERS: Tomorrow's Teachers of Reading—Mary C. Austin, Dir.; foreword by Francis Keppel—*Harvard Univ. Grad. School of Educ. (Harvard Univ. Press)*, 191 p., paper, \$1. This Harvard-Carnegie field study reports on current college preparation of teachers of reading and suggests recommendations for improvement.

TRACE ELEMENTS IN PLANTS—Walter Stiles—*Cambridge Univ. Press*, 3rd ed., 249 p., photographs, \$7.50. Emphasis in this updated edition is on trace elements in plants and the effects of their deficiency or excess on grazing animals. Also refers to soil conditions as they relate to availability of trace elements.

TRANSISTORS AND ACTIVE CIRCUITS—John G. Linvill and James F. Gibbons—*McGraw*, 515 p., \$14.50. Discusses fundamental problems encountered in active circuits, the physics of semiconductor, two-port network theory, and transistor circuits.

U.S.S.R. LITERATURE ON AIR POLLUTION AND RELATED OCCUPATIONAL DISEASES, Vol. V—B. S. Levine—*USPHS (OTS)*, 219 p., illus., paper, \$3.50. Latest survey of Russian literature dealing with air pollution aspects of industrial and public health problems.

WATER TREATMENT FOR INDUSTRIAL AND OTHER USES—Eskel Nordell—*Reinhold*, 2nd ed., 598 p., illus., \$12. Practical reference work, brought up-to-date to include latest developments in the technology of water treatment and their application.

WEATHER MODIFICATION: Second Annual Report for Fiscal Year Ended June 30, 1960—National Science Foundation—*GPO*, 22 p., photographs, paper, 15¢. Research highlights and weather modification activities.

WORLD AIRCRAFT ILLUSTRATED—John W. Underwood, Ed.—*Aero Pubs.*, 239 p., photographs, \$8.50. Compiles data on most of the current aircraft in production.

WRITING A TECHNICAL PAPER—Donald H. Menzel, Howard Mumford Jones and Lyle G. Boyd—*McGraw*, 132 p., illus., \$3.25. Short and lively practical guide written by experts, to help the scientist, the technician, the advanced student, and the technical writer reporting.

• Science News Letter, 80:60 July 22, 1961

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