

Books of the Week

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ABNORMAL HEMOGLOBINS IN HUMAN POPULATIONS: A Summary and Interpretation—Frank B. Livingstone—Aldine Pub. Co., 470 p., maps, bibliography, tabulations, \$12.50. A compilation of published data on the frequencies of the abnormal hemoglobins and G6PD deficiency genes in the world's populations, interpreting these data in the light of world distribution of different forms of malaria.

ACROSS THE TOP OF RUSSIA—Richard Petrow—David McKay, 374 p., \$6.95. The story of the cruise of the USCGC Northwind into the polar seas north of Siberia.

ADVANCES IN GEOPHYSICS, Vol. 12—H. E. Landsberg and J. Van Miegheem—Eds.—Academic Press, 445 p., illus., \$18.50. Topic covered include current deformations of the earth's crust, the upper mantle, severe convective storms, and the rise of oxygen in the earth's atmosphere.

AMERICAN HISTORICAL ANTHROPOLOGY: Essays in Honor of Leslie Spier—Carroll L. Riley and Walter W. Taylor, Eds., preface by W. W. Hill—Southern Ill. Univ. Press, 255 p., \$7.50. Contains 11 essays illustrating the careful research and analytical work that have gone into well-documented examples of historical anthropological discoveries.

CHEMICAL REACTIONS AT HIGH PRESSURES—K. E. Weale—Spon Ltd. (Barnes & Noble), 349 p., diagrams, \$12.50. Surveys critically existing knowledge of the effects of high pressure on chemical reactions in liquids and gases, mainly considering the range of pressures from 1000 to 15000 atm.

CHEMISTRY AND TECHNOLOGY OF FERTILIZERS—A. V. Slack—Interscience, 142 p., diagrams, \$4.95. A revised reprint from 1966 Encyclopedia of Chemical Technology, outlining the present status of fertilizer production technology.

COMPUTERS ON CAMPUS: A Report to the President on Their Use and Management—John Caffrey and Charles J. Mosman—Am. Council on Education, 207 p., illus. by Robert Osborn, paper, \$3. Designed to supply basic knowledge needed by academic administrators with regard to the uses and abuses of computers in colleges and universities.

DIGITAL COMPUTER USER'S HANDBOOK—Melvin Klerer and Granino A. Korn, Eds.—McGraw-Hill, 904 p. diagrams \$27.50. Authoritative reference work for practical and currently applicable methods of programming, numerical analysis and other fields of computer applications.

THE ETHICAL ANIMAL—C. H. Waddington—Univ. of Chicago Press, 231 p., paper \$1.95. Reprint of 1960 book in which the biologist discusses the ethical implications of man's place in the biological world.

FROM RAINDROPS TO VOLCANOES: Adventures with Sea Surface Meteorology—Duncan C. Blanchard—Doubleday, 180 p., 17 plates,

illus. by Berton C. Heinrich, Jr., \$4.95. Part of PSSC supplementary program, designed to increase understanding of the atmospheric sciences through experimentation.

A GEOGRAPHY OF THE U.S.S.R.—John Cole—Penguin Bks., 326 p., maps, paper, \$1.65. A regional geography with an economic approach, this study is mainly intended for the non-specialist.

GREY SEAL, COMMON SEAL: An Account of the Life Histories of British Seals—R. M. Lockley—October House, 175 p., plates, drawings, \$7.95. Describes life cycle, habits, distribution and population statistics, as well as the fishing interests concerning seals.

GRIZZLY COUNTRY—Andy Russell—Knopf, 302 p., photographs, \$6.95. A nature book of wilderness adventure in the Canadian northwest and Alaska.

THE HANDBOOK OF PRIVATE SCHOOLS: An Annual Descriptive Survey of Independent Education—Porter Sargent, 48th ed., 1488 p., illus., \$10. Covers 2200 independent schools of all elementary and secondary grade levels, approximately 570 devoted exclusively to college preparation.

INTEGRATED CIRCUIT TECHNOLOGY: Instrumentation and Techniques for Measurement, Process and Failure Analysis—Seymour Schwartz, Ed.—McGraw-Hill, 340 p., photographs, diagrams, \$15. Handbook designed to serve as a reference for scientists, engineers and students active in the integrated circuit field.

INTELLIGENCE AND ABILITY: Selected Readings—Stephen Wiseman, Ed.—Penguin Bks., 368 p., paper, \$1.95. Papers chosen from philosophers and psychologists, covering a century of speculation, hypothesis and research on man's intellectual powers.

THE LIFE OF RIVERS AND STREAMS—Robert L. Usinger—McGraw-Hill, 232 p., 119 color photographs, drawings, maps, \$4.95. Describes the animals that inhabit America's streams, their relation to the growth of the human population, the impact of pollution and some of the ways how best to combat it.

LIPID METABOLISM IN TISSUE CULTURE CELLS—George H. Rothblat and David Kritchevsky, Eds.—Wistar Institute Press, 164 p., illus., paper, \$5. Symposium Monograph No. 6, deals with nutrition of cells in culture, uptake and retention of fatty acids, cellular lipid nutrition, and cholesterol metabolism in cells.

MINERALS YEARBOOK 1965, Vol. III, Area Reports: Domestic—Bureau of Mines Staff—GPO, 928 p., \$3.75. Covering each of the 50 states, U.S. island possessions in the Pacific Ocean and in the Caribbean, Puerto Rico and the Canal Zone.

MUSIC OF THE SPHERES: The Material Universe, from Atom to Quasar, Simply Explained, Vol. I, the Macrocosm: Planets, Stars, Galaxies, Cosmology, Vol. II, The Microcosm: Matter, Atoms, Waves, Radiation, Relativity—Guy Murchie—Dover, 644 p., illus. by author, paper, 2 vols., \$2 each. Extensively revised to include the major developments in astronomy and physics since 1961.

MUSIC, SOUND AND SENSATION: A Modern Exposition—Fritz Winckel, transl. from German by Thomas Binkley—Dover, 189 p., illus., paper, \$2.75. Revised and with new preface by author, this book was first published in 1960. It attempts to find the relationships in the laws of nature which are responsible for musical perception.

NINDB NEUROLOGICAL INFORMATION NETWORK ANNUAL PROGRESS REPORT—National Institute of Neurological Diseases and Blindness—CFSTI (PB 174661), 33 p., paper, \$3. Contains individual progress reports, summary and highlights.

THE NATURAL HISTORY OF VIRUSES—C. H. Andrews—Norton, 237 p., 41 plates, maps,

\$8.50. Presents the general background of present scientific knowledge in the field, and explains in detail the chemical make-up and nature of viruses, how they spread and survive to attack man and his domestic animals.

THE PRINCE WILLIAM SOUND, ALASKA, EARTHQUAKE OF 1964 AND AFTERSHOCK. Vol. II, Research Studies: Seismology and Marine Geology, Part A, Engineering Seismology—Fergus J. Wood, Ed.-in-Chief—ESSA (GPO), 392 p., photographs, plans, maps, \$5.50. Second of three-volume detailed study, deals mainly with building damage and landslides in Anchorage.

THE RAT: A Study in Behavior—S. A. Barnett—Aldine Pub. Co., 288 p., illus., paper, \$2.95. Reprint (1963), deals with the principles of ethology and behavioral physiology as displayed in the rat.

THE SCIENCE OF MOVEMENT—R. A. R. Tricker and B. J. K. Tricker—Am. Elsevier Pub. Co., 284 p., illus., \$9. A nonmathematical, basic account of the physics of movement, with some of the more interesting and important applications taken partly from physics, partly from biology in connection with animal movement.

SCIENTIFIC INNOVATION AND INDUSTRIAL PROSPERITY—J. A. Allen—Elsevier Pub. Co. (N.Y.), 144 p., \$7. Intended for young graduate students, the book deals with the interacting implications of innovation in many areas of human endeavor, both as a factor in shaping civilization and as a determinant of prosperity.

SCIENTIFIC INSTRUMENTS IN ART AND HISTORY—Henri Michel, transl. from French by R.E.W. and Francis R. Maddison—Viking Press, 208 p., 103 color plates, illus., \$18.50. Depicts early astronomical, mathematical and navigational instruments of outstanding workmanship, with scholarly descriptions.

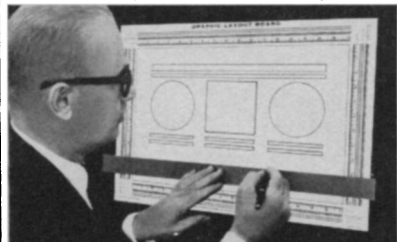
SPACE AGE IN FISCAL YEAR 2001: AAS Science and Technology Series, Vol. 10—Eugene B. Konecni, Maxwell W. Hunter II and Robert F. Trapp, Eds.—Am. Aeronautical Society Pubs., 446 p., illus., \$14.25. Covers the proceedings of the Fourth AAS Goddard Memorial Symposium, 1966, includes assessment of space technology for future development in potential space systems for lunar and solar transportation and spaceports.

UNITED STATES GOVERNMENT ORGANIZATION MANUAL, 1967-68—Office of the Federal Register—GSA (GPO), 829 p., charts, paper, \$2. Handbook contains sections describing the agencies of the legislative, judicial and executive branches, as well as quasi-official agencies and selected international organizations.

WATER ANIMALS FOR YOUR MICROSCOPE—Edward Lindemann—Crowell-Collier, 119 p., illus. by Christine Sapienza, \$4.50. Explains tools and methods used in experiments that boys and girls can do with protozoa, hydras, rotifers, worms and other water animals.

YOUR FUTURE IN OCEANOGRAPHY—Norman H. Gaber—Richards Rosen Press, 143 p., photographs, \$4. Presents to young people the satisfactions of and preparation for a career in practical research in the field of oceanography.

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