

Books of the Week

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ADDING A DIMENSION: Seventeen Essays on the History of Science—Isaac Asimov—Doubleday, 202 p., \$3.95. Essays range from a discussion of T-formation to dwarf stars.

ALL ABOUT AVIATION: Robert D. Loomis—Random House, 139 p., photographs, illus. by Fred L. Wolff and Allen Chin, \$1.95. Simple and clear descriptions of modern flight, jets, breaking the sound barrier, VTOL and SST.

THE CHALLENGE OF MEGALOPOLIS: A Graphic Presentation of the Urbanized Northeastern Seaboard of the United States—Wolf Von Eckardt, based on the original study by Jean Gottman—Twentieth Century Fund (Macmillan), 128 p., maps, color diagrams, paper, \$1.95. For story see p. 373.

ENROLLMENT, TEACHERS AND SCHOOL-HOUSING in Full-Time Public Elementary and Secondary Day Schools: Final Report—Carol Joy Hobson and Samuel Schloss—OE (GPO), 35 p., paper, 30¢. Up-to-date statistical tables.

AN ETHNOGRAPHY OF THE HURON INDIANS, 1615-1649: Elisabeth Tooker—Smithsonian Institution (GPO), 183 p., paper, \$1. Compilation of ethnographic data contained in 17th-century descriptions of Huron culture.

EXPERIMENTAL CHEMOTHERAPY, Vol. II: Chemotherapy of Bacterial Infections, Part I—R. J. Schnitzer and Frank Hawking, Eds.—Academic Press, 614 p., \$23. Presents a series of discussions on the broad field of chemotherapy of bacterial infections, featuring the chemistry, antimicrobial action and toxicology of antibacterial agents.

FEDERAL RESEARCH AND DEVELOPMENT PROGRAMS: Summary of Hearings—Select Committee on Government Research—GPO, 221 p., paper, 60¢. Part 3 of Congressional Hearings, summarizes and analyzes testimonies before the Committee, Nov. 1963 to Jan. 1964, with index to the complete Hearings.

FUNDAMENTAL NUCLEAR ENERGY RESEARCH 1963: A Special Report—U.S. Atomic Energy Commission, Div. of Plans and Report, foreword by Glenn T. Seaborg—AEC (GPO), 407 p.,

illus., paper, \$2.50. Summarizes the more scientifically interesting advancements made under AEC-sponsored fundamental research in biology, medicine, physics, chemistry and nuclear reactor development.

GLOSSARY OF TERMS FREQUENTLY USED CONCERNING LASERS: John A. Armstrong and others—Am. Institute of Physics, 29 p., paper, \$1 direct to publisher, 335 E. 45 St., New York 17, N. Y. Compiled by a team of scientists at IBM and at Bell Telephone Laboratory.

GREEN MEDICINE: The Search for Plants that Heal—Margaret B. Kreig—Rand McNally, 462 p., photographs, \$5.95. Deals with the modern world-wide scientific interest in medicinal plants, from jungle search to laboratory research, for adult and young adult readers.

HEARING LOSS: Hope Through Research—National Institute of Neurological Diseases and Blindness—PHS, rev. ed., 30 p., illus., paper, single copies free upon request direct to National Institutes of Health, Bethesda, Md. 20014. Authoritative advice on how to protect your hearing.

HOW TO TRAVEL WITH CHILDREN IN EUROPE, Vol. I: General Information—Walker, 229 p., illus., \$4. A detailed, comprehensive guide full of practical, specific information on pre-trip planning, trans-Atlantic transportation, and traveling with children in Europe. Additional volumes inform about travel in specific countries.

INFORMATION THEORY: An Introduction for Scientists and Engineers—Gordon Raisbeck—M.I.T. Press, 105 p., diagrams, \$4. An introductory essay, defines and explains fundamental concepts of information theory, particularly quantity of information and channel capacity.

INVENTING THE FUTURE: Dennis Gabor—Knopf, 246 p., \$4.95. A thoughtful discussion by physicist, Fellow of the Royal Society, of some of the dangers facing civilization as we know it, with specific and more optimistic alternatives for the future.

THE LAND AND WILDLIFE OF AUSTRALIA: David Bergamini and the Editors of LIFE—Time Inc., 198 p., illus., 70 p. color photographs, \$3.95 direct to Time Bk. Div., 540 N. Mich. Ave., Chicago 11, Ill. Examines the earth's smallest continent, arid yet rich in its unique flora and fauna.

THE MAKING OF JUSTICE: The Supreme Court in Action—James E. Clayton—Dutton, 319 p., photograph, \$4.95. Recounts the work of an entire term of the Supreme Court and explains in non-technical language how justice is rendered according to the law of the United States.

MECHANISMS OF HARD TISSUE DESTRUCTION: Reidar F. Sognnaes, Ed.—Am. Assn. for the Advancement of Science, 764 p., illus., \$13. Symposium papers examining conditions in which mineralized structures, including rocks, corals, antlers, bone, dentin and enamel are subject to destruction by various organisms.

NATIONAL PARKS IN CALIFORNIA: Dorr Yeager—Lane Bk. Co., 2nd ed., 96 p., photographs, maps, paper, \$1.95. New edition includes description of the yet undeveloped Point Reyes National Seashore park.

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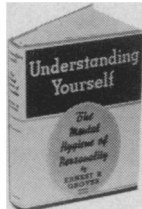
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THE NEW YORK TIMES BOOK OF TREES AND SHRUBS: Joan Lee Faust, Ed.—Knopf, 121 p., photographs, drawings, \$2.95. Practical information and detailed instructions about the planting and care of trees and shrubs.

THE ORGAN OF CORTI: Its Histophysiology and Histochemistry—Ya. A. Vinnikov and L. K. Titova, transl. from Russian by Basil Haigh, preface to English edition by Hallowell Davis—Consultants, 253 p., illus., \$13.50. Presents facts relating to the morphology, histophysiology and biochemistry of the receptor apparatus of the auditory analyzer, the cochlea.

OVERTURES TO BIOLOGY: The Speculations of Eighteenth-Century Naturalists—Philip C. Ritterbush—Yale Univ. Press, 287 p., illus., \$7.50. A narrative history of two 18th century speculative concepts—electricity and botanical analogy.

THE PROBLEM SOLVERS: Adrian A. Paradis—Putnam, 189 p., \$3.50. Tells about the engineers who serve business and industry in many capacities.

THE PROSPECT OF IMMORTALITY: Robert C. W. Ettinger, prefaces by Jean Rostand and by Gerald J. Gruman, M.D.—Doubleday, 190 p., \$3.95. A speculation on the technical possibility of extending physical life through freezing and rejuvenation of frozen bodies, and some of the consequences thereof.

RECENT ADVANCES IN BIOLOGICAL PSYCHIATRY, Vol. VI: Joseph Wortis, Ed.—Plenum Press, 278 p., illus., \$13.50. Proceedings of the 18th Annual Convention and Scientific Program of the Society of Biological Psychiatry, 1963.

THE ROCKEFELLER FOUNDATION: The President's Review from the Annual Report 1963—J. George Harrar, Pres.—Rockefeller Foundation, 87 p., photographs, single copies free upon request direct to publisher, 111 W. 50th St., New York 20, N. Y. Describes current Foundation projects to promote progress in public health.

SCHOOL SCIENCE TEACHING: Report of an Expert Conference held at the University of Ceylon in 1963—V. J. Long, Chmn.—HMSO (Brit. Inform. Services, N. Y.), 140 p., paper, \$1.15. Papers and discussion of programs for the improvement of teaching secondary school science in the Commonwealth countries.

SEAFARERS OF THE PACIFIC: Douglas Newton—World Pub. Co., 127 p., illus. by W. T. Mars, \$3.50. Tells young people about the culture of Polynesia, with chronological chart relating Polynesia to world events.

THE STORY OF THE LASER: John M. Carroll—Dutton, 181 p., photographs, diagrams, \$3.95. For the layman and young science student.

THE STRUCTURE OF ATMOSPHERIC TURBULENCE: John L. Lumley and Hans A. Panovsky—Interscience, 239 p., \$9.50. Summarizes basic characteristics of turbulence, as derived from the equations of hydrodynamics, and brings up to date research material with particular emphasis on recent Russian observations.

TEACHING THE GIFTED CHILD: James J. Gallagher—Allyn & Bacon, 330 p., illus., \$8.95. Summarizes the latest research in layman's language, giving special attention to high I.Q. children, highly creative children and gifted underachievers.

THIS IS AUTOMATION: S. Carl Hirsch—Viking, 128 p., illus. by Anthony Ravielli, \$3.75. A handsomely presented explanation of the step-by-step development of automated processes, for young readers.

ULENDO: Travels of a Naturalist In and Out of Africa—Ardie Carr—Knopf, 263 p., photographs, maps, \$5.95. About journeys in Nyasaland, getting acquainted with the African veld fauna and the importance of its preservation.

THE VIKINGS: Frank R. Donovan; Sir Thomas D. Kendrick, Consultant; Editors of Horizon Magazine—Am. Heritage (Harper), 153 p., illus., \$3.95. Colorful and handsome book acquainting young people with the historical voyages of the Vikings.

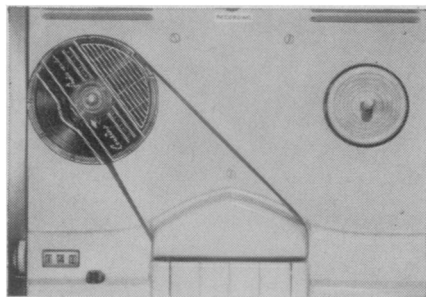
WAR: Studies from Psychology, Sociology, Anthropology—Leo Bramson and George W. Goethals, Eds.—Basic Bks., 407 p., \$7.50. Brings together the outstanding classic and contemporary writings by psychologists, sociologists and anthropologists on the subject of human aggression and international conflict.

WATER AND LIFE: Lorus and Margery Milno—Atheneum, 275 p., illus. by Kenneth Gosner, \$5.75. Explores the importance of water to all life and describes the ways science has found to get more use out of the water available.

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