

books OF THE WEEK

THE AAAS SCIENCE BOOK LIST: A Selected and Annotated List of Science and Mathematics Books for Secondary School Students, College Undergraduates and Non-specialists—Compiled by Hilary J. Deason—AAAS, 1970, 3rd ed., 452 p., \$10. Includes citations and annotations of 2441 titles of trade books, textbooks and references; indicates level of difficulty.

ABC'S OF THE OCEAN—Isaac Asimov—Walker, 1970, 48 p., photographs, illus., maps, \$4.50. Clear and instructive definitions of such oceanographic terms as aquaculture, bore, ebb tide, hadal, quadrature and unda.

AMONG ANIMALS OF AFRICA—Bernhard Grzimek, transl. from German by J. Maxwell Brownjohn—Stein & Day, 1970, 368 p., 52 color photographs by the author and Alan Root, \$12.50. Relates scientific background and personal experiences among the wild fauna of Black Africa, and tells of the author's original methods used to elicit reactions from the animals.

BIOLOGY AND WORLD HEALTH—Madeline P. Grant—Abelard-Schuman, 1970, 256 p., photographs, drawings by Bunji Tagawe, \$5.95. Explains how worms, microbes and viruses affect man's health, and shows how vaccines, serums and international cooperation are helping to protect mankind.

BUSINESS AND THE CITIES: A Book of Relevant Readings—Neil W. Chamberlain, Ed.—Basic Bks., 521 p., \$12.50. Collection of statements, research reports and evaluations of programs, presenting a broad review of business attitudes and efforts made in facing the nation's urban problems.

BUYING GUIDE 1971—Consumer Reports—Consumer Union, 1970, 448 p., paper, \$2.65. Abstracted information on test reports of household, outdoors and recreational appliances and services with up-to-date ratings.

THE COMPUTERIZED SOCIETY: An Appraisal of the Impact of Computers on Society Over the Next Fifteen Years—James Martin and Adrian R. D. Norman—Prentice-Hall, 1970, 560 p., illus., \$10.95. An attempt to evaluate the consequences of a massive spread of computer usage, considers its impact on home, school, employment, finance, government, privacy, crime and police.

CYSTIC FIBROSIS AND RELATED HUMAN AND ANIMAL DISEASES: Symposium Highlights—Sophie Jakowska, Ed.—Gordon & Breach, 1970, 240 p., \$9.50. Research on the pathogenesis of cystic fibrosis with particular attention to the problem of developing animal models or artificial models for investigation.

DE LAVAL ENGINEERING HANDBOOK—Engineering Staff of De Laval Turbine Inc., Hans Gartmann, Ed.—McGraw-Hill, 1970, 448 p., 3rd ed., illus., diagrams, tables, \$12.50. A source of mathematical data, conversion tables, fluids engineering data, prime movers, data on power transmission, steam condensers and filtration systems.

DIGGING IN ASSYRIA—Shirley Glubok, Ed., foreword by P. O. Harper—Macmillan, 1970, 128 p., designed by Gerard Nook, photographs, drawings, maps, \$7.95. Abridged and adapted from two-volume work *NINIVEH AND ITS REMAINS* by Austen Henry Layard, this short version places primary emphasis on Layard's archeological achievements.

DROUGHT AND WATER SUPPLY: Implications of the Massachusetts Experience for Municipal Planning—Clifford S. Russell and others—Johns Hopkins Press, 1970, 232 p., diagrams, tables, \$8. Based on a comprehensive study of the 1962-66 drought in Massachusetts, the analysis includes estimates of customers' losses due to the drought and a model for municipal systems expansion.

THE EMERGING JAPANESE SUPER-STATE: Challenge and Response—Herman Kahn—Prentice-Hall, 1970, 274 p., diagrams, \$7.95. Analysis of economic success of post-war Japan with projections for the future.

ENGINEERS OF DISTINCTION Including Scientists in Related Fields—Jean Gregory, Ed.—Engineers Jt. Council, 1970, 457 p., \$20; paper, \$15. Autobiographical *WHO'S WHO* of American engineers who are either winners of national awards or officers, directors and chief staff officers of national engineering societies. Includes directory of engineering societies.

GLASS REINFORCED PLASTICS—Brian Parkyn—CRC Press, 1970, 305 p., illus., \$23.50. Reference volume, covers the field with emphasis on the design criteria and the many new applications of glass reinforced plastics.

GLASSFORMING: Glassmaking for the Craftsman—Frederic and Lilli Schuler—Chilton Bks., 1970, 151 p., color plates, photographs, diagrams, \$12.50. Brings together in easily accessible form up-to-date information on glassforming techniques, properties of glass, forming equipment and materials.

ICE AGES: Their Nature and Effects—Ian Cornwall—Humanities Press, 1970, 180 p., 15 photographs, drawings, diagrams, \$9.50. Scholarly inquiry into the Ice Ages of the Pleistocene period with emphasis on the impact of glacial advances on flora and fauna. Index is combined with glossary that explains technical terms to general reader.

INTERNATIONAL LAW AND THE RESOURCES OF THE SEA—Juraj Andrassy, Ed.—Columbia Univ. Press, 1970, 191 p., \$7.50. Written by authorities on the law of the continental shelf, this interdisciplinary study considers all the important issues involved in preserving the freedom of the seas in the face of progressive economic exploitation and appropriation of the ocean beds by states.

MAN AND MEMORY—D. S. Halacy, Jr.—Harper, 1970, 259 p., illus., \$6.95. Concise survey for the general reader of the history of brain studies, discusses the relationships of learning, remembering and forgetting, intelligence, dreams, molecular theory of memory, and transfer of learning.

THE PATIENT AS PERSON: Explorations in Medical Ethics—Paul Ramsey—Yale Univ. Press, 1970, 283 p., \$10. Major topics treated are the meaning of consent in human experimentation; improving procedures for determining death; the limits of artificially prolonging the process of dying, and related issues of medical ethics.

PHARMACOTHERAPY OF TENSION AND ANXIETY—Heinz E. Lehmann, M.D. and Thomas A. Ban, M.D.—Thomas, C. C., 1970, 129 p., diagrams, \$7.50. Systematic descriptions of the three most extensively employed anxiolytic drug groups: barbiturates, propanediols and benzodiazepines, discusses their behavioral effects and clinical applications.

RACE TO OBLIVION: A Participant's View of the Arms Race—Herbert York—Simon & Schuster, 1970, 256 p., \$6.95. A critical and informed examination of U.S. weapons development since Sputnik, of inter-agency and inter-service rivalries, rhetoric of arms-race technologists, and other aspects of the strategic arms race.

SCIENCE IN RUSSIAN CULTURE 1861-1917—Alexander Vucinich—Stanford Univ. Press, 1970, 575 p., \$18.50. Scholarly work, covers first the period 1861-83, examining the changes in scientific culture produced by the great reforms of the 1860's, then deals with the period that begins with the 1884 university charter, which abolished academic autonomy, to the fall of the autocratic system in 1917.

TSUNAMIS IN THE PACIFIC OCEAN—William Mansfield Adams, Ed.—East-West Center Press, 1970, 513 p., illus., \$15. Proceedings of the 1969 International Symposium on Tsunami Research held in Honolulu, discussions cover seismic source and energy transfer, tsunami instrumentation, and tsunami propagation and wave run-up.

ULRICH'S INTERNATIONAL PERIODICALS DIRECTORY: Supplement to Thirteenth Edition—Merle Rohinsky, Ed.—Bowker, 1970, 260 p., paper, \$8.95. This supplement to the 1969/70 classified guide to current periodicals, foreign and domestic, includes entries for more than 5,000 periodicals not previously listed.

WILDLIFE CRISIS—H.R.H. The Prince Philip, Duke of Edinburgh, and James Fisher; forewords by H.R.H. The Prince of the Netherlands and Peter Scott; epilogue by Stewart L. Udall—Cowles Bk. Co., 1970, 256 p., color plates, photographs, maps, bibliography, index, \$14.95. Handsome and informative volume published in cooperation with the World Wildlife Fund.

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Just Published!

DIRECTORY OF NATIONAL AND INTERNATIONAL ENVIRONMENTAL MONITORING ACTIVITIES

Results of a world-wide survey just completed by the Smithsonian Institution. Contains information on 33 major international environmental monitoring systems, both current and planned, and information on over 2000 other national and regional monitoring programs operating in 142 countries, territories, and oceans throughout the world. Includes information on program purpose, status, coverage, duration, participating countries, coordinating and cooperating organizations, principal disciplines involved, principal phenomena monitored, number of monitoring stations, physical sphere, time response, sampling frequency, data acquisition techniques, data storage and retrieval facilities, communications facilities, research center facilities, references, and where to write to obtain additional information.

The purpose of this directory is to present, for the first time in one unified format, basic information on the number, global distribution, and operational characteristics of existing and planned environmental monitoring activities. The directory is designed to be used as a basic reference guide for the planning and establishment of future national and international environmental programs.

The directory contains 54 national and international monitoring system network maps, 292 pages, U. S. \$10.00 airmail postage paid. Send check, money order, or purchase order to: Smithsonian Institution Center for Short-Lived Phenomena, 60 Garden Street, Cambridge, Mass. 02138, U. S. A.

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