

Books of the Week

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ALASKA: A Challenge in Conservation—Richard A. Cooley—Univ. of Wis. Press, 170 p., photographs, maps, \$5.50. Resource economist presents in lay language the problems and issues facing the people of Alaska in their often conflicting efforts to meet immediate needs of revenue while planning for long-range conservation of natural resources.

THE AMERICAN PEOPLES ENCYCLOPEDIA: A Modern Reference Work, 20 Vols.—Edward Humphrey, Ed.-in-Chief; Lowell A. Martin, Edit. Dir.—Grolier Inc., rev. ed., 11,100 p., 15,321 illus., 6 science subject overlays, 210 maps, index to 109,700 text references, \$259.50; net price to schools and libraries, \$149.50. Revised edition features 324 new articles with emphasis on scientific-technical topics signed by experts; addressed to high school, college and lay adult audience.

ANXIETY AND BEHAVIOR—Charles D. Spielberger, Ed.—Academic Press, 414 p., diagrams, \$9.75. Presents the current theoretical and empirical findings of investigators, specific chapters deal with the nature and measurement of anxiety, its psychopathological aspects, the determinants of anxiety and the effects of anxiety on behavior.

CHANGE AND HABIT: The Challenge of Our Time—Arnold J. Toynbee—Oxford Univ. Press, 240 p., \$5.50. Historian probes the past in seeking answers to contemporary problems of mankind.

EDUCATORS GUIDE TO FREE TAPES, SCRIPTS AND TRANSCRIPTIONS—Walter A. Wittich and Gertie Hanson Halsted, Eds.—Educators Progress Service, 13th ed., 177 p., paper \$6.75. Annotated classified list of 238 free items, with featured article on education for behavioral change.

EGYPT—Leonard Cottrell—Oxford Univ. Press, 280 p., 100 photographs, 6 color plates, map, \$10. Handsomely illustrated introduction to Egypt, contemporary and ancient, written as a travelogue.

ELEMENTARY TEACHERS GUIDE TO FREE CURRICULUM MATERIALS—Patricia H. Suttles, Ed.—Educators Progress Service, 33rd ed., 352 p., paper, \$8.75. Lists 1,324 items from 560 sources, with suggestions to teachers for using free materials in specific units.

EPILEPSY AND THE LAW: A Report on Legal Reform in the Light of Medical Progress—Roscoe L. Barrow and Howard D. Fabing, M.D.—Hoebner-Harper, rev. 2nd ed., 174 p., paper, \$5.95. Describes the great change in epilepsy laws since the first edition in 1956 exposed the archaic laws relating to epilepsy.

EXPLORING THE WORLD OF ARCHAEOLOGY—P. E. Cleator—Childrens Press, 141 p., designed by Mary Gehr, \$3.95. Introduces boys and girls to the methods of archaeology and some of the important sites that contributed to our knowledge of ancient cultures in Egypt, the Middle East, Greece and the Americas.

GEOLOGY ILLUSTRATED—John S. Shelton—Freeman, W. H., 434 p., photographs, drawings by Hal Shelton, \$10. Using photographs of localities that might be visited, the book develops better understanding of the earth's record by treating in detail concepts of structure, sculpture, time and special geologic case histories.

GERMAN FOR THE SCIENTIST—R. S. Eaton, H. S. Jackson and C. R. Buxton—McKay, 2nd ed., 298 p., paper, \$5.50. Contains concise grammar concentrating on aspects of the language that facilitate translation, selection of extracts for translation taken from recent scientific journals in various fields, and includes German-English vocabulary.

INTO WORK—Michael Carter—Penguin Bks., 240 p., illus., paper, \$1.25. Sociologist gives his views of the inadequacies of education, training and employment services that prepare young men and women for work in Great Britain.

THE LIFE OF THE FOREST—Jack McCormick—McGraw, 232 p., 100 color photographs, maps, drawings, \$4.95. Beautifully illustrated volume for the family, to learn about the forest community, seasonal changes and types of forests. Developed jointly with World Book Encyclopedia and in cooperation with the U.S. Department of the Interior.

LIVING WITH ONE ANOTHER: An introduction to the Social Sciences—Marie Neurath—

Watts, F., 128 p., charts by Isotype Institute, \$2.95. A readable and clearly illustrated introduction to the study of people, their livelihood, organization, interdependence, government and international relations.

MASS SPECTROSCOPY OF ORGANOMETALLIC COMPOUNDS—Theodore L. Brown and others—N.Y. Acad. of Sciences, Annals, Vol. 136, Art. 4, 27 p., paper, \$2. Brief yet comprehensive view of the state of the art and the problems in this specialty.

MEDICAL PRACTICE IN MODERN ENGLAND: The Impact of Specialization and State Medicine—Rosemary Stevens—Yale Univ. Press, 401 p., \$10. An analytical study of the pattern of English medical practice, its institutions, staffing, income determination, medical education and training, and the balance between general and specialist practice.

MEGALOPOLIS UNBOUND: The Supercity and the Transportation of Tomorrow—Clairborne Pell—Praeger, 233 p., photographs, maps, \$5.95. The Senator from Rhode Island speaks out for a dynamic "systems approach" to mass transportation in the densely populated urban strip stretching from Washington to Boston.

THE MIND—John Rowan Wilson and Editors of LIFE—Time-Life Bks., 200 p., photographs, drawings, \$3.95 direct to publisher, Time & Life Bldg., Chicago, Ill. 60611. Describes in chapters and picture essays the mechanisms of the mind, mental stress, psychoanalysis, learning, measuring of intelligence and manipulation of mentality.

MOLECULES AND EVOLUTION—Thomas H. Jukes—Columbia Univ. Press, 285 p., illus., \$10. A definitive statement of the chemical basis of evolution, the book develops the concept that the number and sequence of chemical bases in molecules of DNA are a cryptogrammic record of the evolutionary history of each species. The solution of the cryptogram comes from the study of proteins and the genetic code.

MONTICELLO—Gene and Clare Gurney—Watts, F., 74 p., photographs by Harold Wise, illus. by Dan Dagle, \$2.65. Describes and shows in some detail Thomas Jefferson's handsome mansion with its many ingenious mechanical installations.

THE MOON—V. A. Firsoff—New Am. Lib., 127 p., 26 plates, diagrams by author, paper, 60¢. Short, readable account including recent findings, for the layman.

THE MYTHS OF AUTOMATION—Charles E. Silberman and the Editors of Fortune—Harper, 148 p., graphs, \$4.95. Combining economics and statistical analysis the author attempts to separate the facts of automation from the myths, discussing the blue-collar worker, teenagers, early retirement, and the war on poverty.

NUMBERS IN THE LAND OF HAND—Harold H. Lerch—Southern Ill. Univ. Press, 56 p., illus. by Anne Sharpe, \$4.25. Story of how a number system was developed in a make-believe land with exercises for children in the decimal system of numeration.

OCLOT—B. F. Beebe—McKay, 151 p., illus. by James Ralph Johnson, \$3.95. A nature story in the wilderness along the west coast of Mexico.

ORIGINS OF THE SCIENCE OF CRYSTALS—John G. Burke—Univ. of Calif. Press, 198 p., illus., \$6.50. Documented description of the theories concerning the structure of matter in general and crystals in particular, the book reviews from Plato through Bravais the eventful background of classical crystallography prior to the discovery of X-ray diffraction.

THE PANTHEON STORY OF MATHEMATICS FOR YOUNG PEOPLE—James T. Rogers—Pantheon Bks., 127 p., designed by Will Burtin, \$4.95. A historical and geographical look



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at how mathematical ideas developed, illustrated with historical pictures and diagrams.

PAY NOW, DIE LATER: What's Wrong with Life Insurance: A Report on Our Biggest and Most Wasteful Industry—James Gollin—Random House, 267 p., \$5.95. An insider's critical analysis of the ways life insurance is sold, advertised and managed, with some advice on the right ways to buy insurance.

PERSPECTIVE IN FOREIGN POLICY—Charles E. Osgood—Pacific Bks., 2nd rev. ed., 94 p., paper, \$1.50. Psychologist's analysis of U.S. foreign policy, developing the author's plan for "graduated and reciprocal initiatives in tension-reduction" (GRIT for short).

PERSPECTIVES IN MENTAL RETARDATION—Thomas E. Jordan, Ed.—Southern Ill. Univ. Press, 358 p., diagrams, \$8. Source material dealing with the many aspects of mental retardation, from 19th century approach to retardation, through analyses of methods of determining low mentality, to consideration of the problems of the care, characteristics and training toward the goal of independent living for the retarded.

THE PESTICIDE JUNGLE: The Incredible Story of Poisons in Milk—Laura Tallian—Committee for Biological Pest Control, 78 p., paper, \$1.50 direct to Committee, Box 33, Sunnyside, Calif. 92079. A California resident's concerned and documented appeal to correct a situation that gives the state the highest rate of deaths from pesticides in the U.S.

PRIVATE AND PERSONAL—Grace Naismith, introd. by John Rock, M.D.—McKay, 272 p., illus., \$5.50. A forthright discussion of feminine problems concerning sexual health written with medical and psychological insight by non-physician author.

REPORT OF THE INTERNATIONAL CLEARINGHOUSE ON SCIENCE AND MATHEMATICS CURRICULAR DEVELOPMENTS 1966—J. David Lockard, Dir.—AAAS and Science Teaching Center, U. of Md., 291 p., single copies free upon request direct to Director, International Clearinghouse, Science Teaching Center, U. of Md., College Park, Md. 20740. Alphabetically arranged information on worldwide projects in science and mathematics curricular activities.

THE SEA OF CORTEZ—Ray Cannon and Sunset Editors—Lane, 284 p., photographs, drawings, maps, \$9.95; after Christmas, \$11.75. De-

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scribes an area famous for its salt water fishing, just south of California and Arizona, it explores region by region the land, sea, fauna, flora, people, their occupations and the yet little known recreation opportunities for the visitor.

SHELL COLLECTING: An Illustrated History—S. Peter Dance—Univ. of Calif. Press, 344 p., 35 plates, illus., \$10. A scholarly account of the historical aspects of conchology, tracing its development from Minoan times through the 20th century, with chapters on great collections, rarities, a guide to collections and bibliography.

SOLID STATE TRANSFORMATIONS—N. N. Sirota, F. K. Gorskii and V. M. Varikash, Eds.—transl. from Russian—Consultants, 169 p., illus., paper, \$22.50. Considers some important problems of crystallization and phase transformations related to the thermodynamics of critical phenomena, and questions of polymorphism of the elements.

STAR CATALOG: Positions and Proper Motions of 258,997 Stars for the Epoch and Equinox of 1950.0. Parts 1 to 4—Staff of Smithsonian Astrophysical Observatory, Fred L. Whipple, Dir.—GPO, 2610 p., \$20 per set of 4 vols. Using computers, this massive catalog of a quarter-million stars contains almost all the data now found in more than 50 separate catalogs.

THE STORY OF FIRE FIGHTING—Peter John Stephens, foreword by Donald M. O'Brien—Harvey House, 125 p., illus. by Enid Firlonger, \$3.95. Traces for young readers the history of fire fighting with emphasis on the development of equipment and methods.

THE STORY OF MAN AGAINST WINTER—Oren Arnold—Harvey House, 125 p., illus. by Ursula Koering, \$3.95. Tells young readers about the many facets of winter, about ice, snow, hail, freezing and how man protects himself against these rigors in various regions.

SYSTEMATICS OF THE SALAMANDER GENUS GYRINOPHILUS—Ronald A. Brandon Univ. of Ill. Press, 86 p., photographs, diagrams, maps, \$5.50; paper, \$4.50. Presents a complete re-examination of specimens and literature in an attempt to integrate existing material into a factual taxonomic understanding of this genus of plethodontid salamanders.

A TREE CALLED MOSES—Laura Nelson Baker—Atheneum, 69 p., drawings by Penelope Naylor, \$3.50. About a giant sequoia, things that have happened to it during the 2,500 year span of its life and what is being done to protect it.

TV TUBE SYMPTOMS AND TROUBLES—Robert G. Middleton—Sams, H. W., 2nd ed., 96 p., illus., paper, \$1.95. Contains photographs of actual troubles produced by tube defects in each section of the TV receiver.

UNDERSTANDING PHYSICS, Vol. I: Motion, Sound and Heat. Vol. II: Light, Magnetism and Electricity. Vol. III: The Electron, Proton and Neutron—Isaac Asimov—Walker & Co., 248 p., 251 p., 269 p., diagrams, \$6.50 each. Presents the basic principles of physics in a readable and clear manner to help the student understand the more formal textbooks and to give the interested layman a survey of developments in physics.

UNDERSTANDING THE SEXUAL RESPONSE IN HUMANS: Containing a Critical Review of the Masters-Johnson Research—Allan Fromme—Pocket Bks., 79 p., paper, \$1. A clinical psychologist's evaluation of the research problems, procedures and findings of the technical laboratory study of human sexual behavior.

UNIVERSITY CHOICE—Klaus Boehm, Ed.—Penguin Bks., 400 p., paper, \$1.95. In 30 selected essays, each by a scholar in an accepted discipline, the book attempts to present the opportunities of choice available in British universities by describing the range and variety of the disciplines taught at the undergraduate level.

WARRIOR WHALE—Joseph J. Cook and William L. Wisner—Dodd, 96 p., photographs, old prints, diagrams, \$3.25. A factual account of the giant sperm whale or cachalot, the biggest of the toothed whales, its history, products and modern whaling methods.

WILDLIFE HABITAT IMPROVEMENT—Joseph J. Shomon, Byron L. Ashbaugh and Con D. Tolman—National Audubon Society, 96 p., photographs, drawings, diagrams, paper, \$2.50. Practical guidelines for developing nature centers, parks, school lands, sanctuaries, arboretums, rural life centers, botanical gardens and homesites.

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