

Books of the Week

Listing is for readers' information, not advertising. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25¢ handling charge if price is less than \$2 to Book Order Service, Science News, 1719 N St., N.W., Washington, D.C. 20036. Prices subject to publishers' changes. Be sure to include zip code in your address.

THE AMERICAN MALE—Myron Brenton—Coward-McCann, 252 p., \$5.95. Concerns itself with broad social patterns and societal trends as they affect the American male generally, based on interviews with social anthropologists, psychologists and agencies affiliated with Family Services of America.

ANALYTICAL INSTRUMENTATION: A Laboratory Guide for Chemical Analysis—Galen W. Ewing—Plenum Press, 151 p., diagrams, \$7.50. Intended to accompany the modular system of analytical instruments manufactured by A.R.F. products, includes series of experiments.

ANCIENT OAXACA: Discoveries in Mexican Archeology and History—John Paddock, Ed.—Stanford Univ. Press, 416 p., photographs, 40 color plates, maps, \$18.50. Endeavors to place Oaxaca in its Mesoamerican setting from pre-Toltec Times to the Conquest, and offers a sample of the research shaping the better understanding of ancient Oaxaca.

ATLAS BOREALIS, 1950.0—Antonin Becvar—Czechoslovak Acad. of Sciences (Sky Publishing Corp.), 24 maps, 18 x 25 inches, \$12.50. Contains all stars with known precise positions in the declination zones 30° to the north pole, with stellar magnitudes indicated, multiple and variable stars included, stellar spectra represented by six colors.

BASE MAP OF THE UNITED STATES—U.S. Geological Survey, 41 x 65-inch wall map, \$1.50. Prepared at a scale of 1:3,168,000 or one inch equals 50 miles, the map delineates the 50 states with particular emphasis on rivers, streams and geographic features. Contains approximately 10,000 feature names.

BUILDING THE SUEZ CANAL—S. C. Burchell and Editors of Horizon Magazine; Charles Issawi, Consultant—Am. Heritage Pub. Co. (Harper), 153 p., illus., \$4.95. Handsome and colorful presentation of a historical technological achievement.

CHANGING TO THE METRIC SYSTEM: Conversion Factors, Symbols and Definitions—Pamela Anderton and P. H. Bigg—HMSO (Brit. Information Service, N.Y.), 46 p., paper, 70¢. Provides information for the conversion of values expressed in British units of measurement to the corresponding values expressed in metric units, intended to help all those concerned in industry and education with "going metric," a change to be effected within 10 years.

CHROMOSOME MANIPULATIONS AND PLANT GENETICS—Ralph Riley and K. R. Lewis, Eds.—Plenum Press, 123 p., illus., plates, \$8. Papers give accounts of the most recent work on those plants to which modern cytogenetic analyses can be applied—tobacco, tomato, potato, wheat and cotton.

CONFLICT IN THE CLASSROOM: The Education of Emotionally Disturbed Children—Nicholas J. Long, William C. Morse and Ruth G. Newman, Eds.—Wadsworth Pub. Co., 515 p., paper, \$6. Presents a wide variety of excerpts to show different points of view toward the emotionally disturbed child.

DAFFODILS ARE DANGEROUS: The Poisonous Plants in Your Garden—Hubert Creekmore—Walker & Co., 258 p., illus., by Helen Spence, \$4.95. Proceeding alphabetically, this readable book seeks to expose those poisons which flourish often unrecognized in almost every garden, from amaryllis to pokeweed.

THE EARTH-MOON SYSTEM: Proceedings of 1964 International Conference—B. G. Marsden and A. G. W. Cameron, Eds.—Plenum Press, 288 p., illus., \$12.50. Based on lectures given by an international group of astronomers, physicists and earth scientists, topics range from a discussion of the motions and moments of inertia of the moon and their relation to the lunar figure and composition, to planetary atmospheres and the origin of the moon.

EDUCATORS GUIDE TO FREE FILMS—Mary Foley Horkheimer and John W. Diffor, Eds.—Educators Progress Service, 26th ed., 722 p., \$9.50. Among this encyclopedic listing of 4,725 titles, of which 1,085 are new, about 100 pages describe free films in biology, chemistry, physics and general science.

EXPERIMENTAL PHONETICS: Selected Articles—Grant Fairbanks—Univ. of Ill. Press, 274 p., illus., \$6.50. Articles deal with speech mech-

anism as a servo-system, speech rate and the listener, signal detection and intelligibility, and other major contributions to speech science.

GAS CHROMATOGRAPHY IN THE ANALYSIS OF STEROID HORMONES—Herbert H. Wotiz and Stanley J. Clark—Plenum Press, 288 p., diagrams, \$12.50. Written to help the analyst and research worker involved with steroid hormones in establishing laboratory procedures for gas-liquid chromatographic analysis which take into account the various properties of steroids.

GROUNDWATER SEEPAGE RATES—N. A. Ogilvi and D. I. Fedorovich, transl. from Russian by N. H. Choksy—Consultants, 33 p., diagrams, paper, \$7.50. Deals with the limits of applicability and the calculation of factors which distort the results obtained by the electrolytic method of determining seepage rates in practical hydrogeological and geophysical work.

HANDBOOK OF GARDEN PESTS—Cynthia Westcott and Jerry T. Walker, Eds.—Brooklyn Botanic Garden, No. 50, 105 p., illus., paper, \$1.25 direct to publisher, 1000 Washington Ave., Brooklyn, N.Y. 11225. Provides expert guidance for both layman and professional in meeting most pest problems that confront U.S. growers of ornamental plants today.

HIGH-TEMPERATURE CHEMISTRY OF SILICATES AND OTHER OXIDE SYSTEMS—Nikita Aleksandrovich Toropov and Valentin Pavlovich Barzakovskii, transl. from Russian by C. Nigel Turton and Tatiana I. Turton—Consultants, 216 p., illus., paper, \$25. Discusses those chemical and physicochemical points which the authors consider most important for solving a series of problems in the preparation and use of new inorganic materials.

INTRODUCTION TO NUCLEAR PHYSICS—Harald A. Engge—Addison-Wesley, 582 p., diagrams, \$12.75. Up-to-date text, treats two-body problems, properties of stable nuclei, nuclear models, disintegration of unstable nuclei, nuclear reactions and elementary particles.

ISSUES IN SCIENCE AND RELIGION—Ian G. Barbour—Prentice-Hall, 470 p., \$7.95. Presents a systematic analysis of past and present responses to the challenge of science to Western religious thought.

LUNG TUMORS IN ANIMALS: Proceedings of the Third Quadrennial Conference on Cancer, University of Perugia, 1965—Lucio Severi, Ed., preface by Harold L. Stewart, foreword by Lev Kreyberg—Div. of Cancer Research, P.O.B. 167, Perugia, Italy, 970 p., illus., \$40. Conference papers deal with the epidemiology, pathological classification and biological behavior of lung tumors in animals, adenomatosis, experimental lung tumors by ionizing radiation, viruses, atmospheric pollutants and chemicals.

MCGRAW-HILL MODERN MEN OF SCIENCE: 426 Leading Contemporary Scientists—By the Editors of McGraw-Hill Encyclopedia of Science & Technology, Jay E. Greene, Ed-in-Chief—McGraw, 620 p., illus., \$19.50. Provides essential biographical data and portrait sketch with authoritative description of each scientist's most significant achievements and how he pursued his research. Includes both classified and comprehensive analytical index as a guide to persons, subjects, books and institutions mentioned in text.

MATHEMATICS AND THE ELEMENTARY TEACHER—Richard W. Copeland—Saunders, 355 p., illus., \$6.50. Emphasis is placed on the inductive method in this text, each mathematical idea is considered from the standpoint of how children may be led to discover for themselves the concepts involved.

MATHEMATICS OF ENGINEERING SYSTEMS—Francis H. Raven—McGraw, 524 p., diagrams, \$14.50. Explains the application of advanced mathematical methods to the solution of

engineering problems, emphasizing the use of abstract mathematical concepts to represent concrete physical phenomena.

NEUTRON DYNAMICS AND CONTROL—David L. Hetrick and Lynn E. Weaver—USAEC Conf-650413 (CFSTI), 611 p., illus., paper, \$4.50. These proceedings of the 1965 annual Symposium on Nuclear Engineering at the University of Arizona deal mainly with the significant progress made in nonlinear system stability and optimal control.

NONVIOLENCE IN AMERICA: A Documentary History—Staughton Lynd, Ed.—Bobbs-Merrill, 535 p., \$7.50. An attempt to give a consecutive account of the American tradition of nonviolence by tracing the idea through original writings, starting with William Penn's letter to the Delaware Indians in 1681, and ending with selections from Reinhold Niebuhr and David Dellinger.

THE ODYSSEY WORLD ATLAS—John E. Brush, Richard Edes Harrison and others, intro. by Guido G. Weigend—Odyssey Bks. (Golden Press), 317 p., 12 x 16 inches, double-spread and inset maps, projections, \$19.95. A newly designed reference atlas using the latest cartographic techniques, portrays world patterns, continental areas are depicted in physical, political and thematic maps. High legibility, index of more than 105,000 entries, and new features such as physical maps of ocean floors make this a welcome addition to atlases.

PATTERNS OF LIFE: The Unseen World of Plants—William M. Harlow, prologue by Paul B. Sears—Harper, 127 p., 80 photographs, \$6.95. Designed both for study and stimulus, this book considers buds, twigs, plant cross sections, leaves and tendrils as they can be observed with a hand lens, revealing plan and symmetry of growing things.

PHASE DIAGRAMS OF MULTICOMPONENT SYSTEMS: Geometric Methods—Fanya Moiseevna Perelman, transl. from Russian by David A. Paterson—Consultants, 82 p., diagrams, \$12.50. Monograph deals with analogous problems relating to systems with any number of components involving metals of salts, with or without double decomposition reactions.

SCIENTIFIC AND MANAGERIAL MANPOWER IN NUCLEAR INDUSTRY—James W. Kuhn, foreword by Eli Ginzberg—Columbia Univ. Press, 209 p., \$7.50. A study of the major manpower innovation that characterized the manufacture of the bomb and the development of nuclear power, with its new stress on group research and need for cooperative work.

STELLAR EVOLUTION: Proceedings of 1963 International Conference—R. F. Stein and A. G. W. Cameron, Eds.—Plenum Press, 464 p., illus., \$19.50. The symposium papers collected in this volume present an authoritative picture of our current understanding of the evolution of stars and of the work being done in the field today.

THE TRANSSEXUAL PHENOMENON—Harry Benjamin, M.D.—Julian Press, 300 p., photographs, \$8.50. A compassionate report reviewing the psychological, endocrinological, surgical and sociological aspects of transsexualism and sex conversion in the human male and female.

TWILIGHT: A Study in Atmospheric Optics—Georgii Vladimirovich Rozenberg, preface by J. V. Dave; transl. from Russian by Richard B. Rodman—Plenum Press, 358 p., illus., \$20. Scientific treatment of the twilight process as an optical phenomenon and as a tool for upper-atmosphere research.

UNITED STATES GOVERNMENT ORGANIZATION MANUAL 1966-67—Office of the Federal Register—GPO, 811 p., paper, \$2. The official organization handbook of the U.S. Federal Government, describes agencies of the legislative, judicial and executive branches, including charts of some of the more complex agencies.

WHAT WE CAN DO ABOUT DRUG ABUSE—Jules Saltman—Public Affairs Committee, 28 p., illus., by Dick Shelton, paper, 25¢ direct to publisher, 381 Park Ave. South, New York 10016. An informed discussion of the effects of pep pills, LSD and other drugs taken for stimulation or sedation.



Candle Glow from the Fire can truly light the world and Universe

A 100 page book. Descriptive drawings, written specifically regarding Environment Science and Physical Research as applied to life. Discusses activity, health, strength and energy through control of the 90 elements in soil, plants and food. Features the how and why of greater crop yields. Has lifetime value. Specially priced at \$5.00 postpaid. Write

PAULSEN NURSERY
Heartwell, 3 Nebraska 68945 Est. 1893

YOUR HAIR

ITS HEALTH, BEAUTY AND GROWTH

BY HERMAN GOODMAN, M.D.
A medical specialist tells you what you can and cannot do to save and beautify your hair, stimulate healthier hair growth, and deal with many problems, as dandruff—gray hair—thinning hair—care of the scalp—baldness—abnormal types of hair—excessive oiliness—brittle dryness—hair falling out—infection—parasites—hair hygiene—glands—diet—coloring—and myriad other subjects concerning hair.
"Discusses the many problems of hair retention, regrowth and removal."—SCIENCE NEWS LETTER.
287 PAGES—Profusely Illustrated! Price \$4.95, postfree. 10-day Money-back Guarantee. EMERSON BOOKS, INC., 251 W. 19th Street, Dept. 5-R, New York, N.Y. 10011