

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.

AMERICAN MEN OF SCIENCE: A Biographical Directory: The Physical & Biological Sciences, Supplement I—Jacques Cattell Press, Eds.—Bowker, 11th ed., 154 p., paper, \$10. This is the first of four Supplements to be issued in a semi-annual up-dating of the six-volume directory of U.S. and Canadian scientists. It covers the A-C names, providing new biographies and significant changes of affiliation, address and obituary notices.

ANALYSIS OF NORMAL AND ABNORMAL CELL GROWTH: Model-System Formulations and Analog Computer Studies—Ferdinand Heimets—Plenum Press, 288 p., diagrams, \$12.50. Explores the complex problems of cell growth, division and differentiation with the aid of a computer analyzing the interactions of the chemical components of the cell system, such as DNA, RNA and enzymes.

ASTRONOMY, Book 5: The Life Story of a Star. Book 6: Galaxies and the Universe—Elementary-School Science Project, Univ. of Ill., J. Myron Atkin and Stanley P. Wyatt, Co-Directors—Univ. of Ill. ESSP, 77 p., 96 p., illus., paper, \$1.50 each. Experimental series of teaching aids, with teacher's guides, designed to reflect a modern orientation to science and mathematics.

THE CHEMISTRY OF CELLULOSE AND WOOD—N. I. Nikitin, transl. from Russian by J. Schmorak—IPST (Davey, Daniel), 691 p., illus., \$26.50. Intended for industrial chemists, advanced students and junior research workers engaged in the field, the book gives a survey of recent experimental studies published both in the Soviet Union and other countries.

CHILDREN OF SICK PARENTS: An Environmental and Psychiatric Study—Michael Rutter—Oxford Univ. Press, 147 p., \$10.50. A clinical study of the effects of overt parental mental disorders and physical illness on 922 mentally disturbed children.

CHROMOSOMES TODAY, Vol. I.—C. D. Darlington and K. R. Lewis, Eds.—Plenum Press, 274 p., illus., \$11.50. Proceedings of the First Oxford Chromosome Conference, 1964. Brings together recent international investigations arranged under the three headings of plants, nuclear structures and animals.

CREATING AGREEMENT: A Roundtable Programmed Text—J. F. Harrison—Roundtable Productions, 20 p., paper, \$1.95. Based on the Roundtable film "The Engineering of Agreement," this short text presents some useful techniques for situations where one seeks to gain acceptance of an idea or proposal.

DIAGNOSTIC ULTRASOUND: Proceedings of the First International Conference, University of Pittsburgh, 1965—Charles C. Grossman, M.D. and others, Eds.—Plenum Press, 519 p., illus., \$11.50. Papers present the latest developments in the use of ultrasound for the diagnosis of conditions in the eye, brain, heart and abdomen, and in the practice of obstetrics and gynecology.

EDUCATORS GUIDE TO FREE FILM-STRIPS—Mary Foley Horkheimer and John W. Diffor, Eds.—Educators Progress Service, 18th ed., 161 p., paper, \$7. Contains 97 new titles among the 544 film strips and sets of slides listed by subject, with title, subject and source index.

EFFECTIVE WRITING: For Engineers, Managers, Scientists—H. J. Tichy—Wiley, 337 p., diagrams, \$5.95. A valuable exposition of rules for good professional writing and editing, presenting common weaknesses and errors, and discussing improvements in well-ordered detail.

THE FAIRY-FAITH IN CELTIC COUNTRIES—Walter Yeeling Evans-Wentz, introd. by Leslie Shepard—University Bks., 524 p., \$12.50. A scholarly examination of the living testimony for fairies, of the recorded traditions of Celtic literature and mythology, of the different theories of folk religion and concluding with an evaluation of the reality of faith in fairies.

FOR SPACIOUS SKIES: Journey in Dialogue—Pearl S. Buck with Theodore F. Harris—Day, 221 p., \$4.95. In the form of written conversations this book deals with the author's concern and efforts to help the Amerasian children of U.S. servicemen in Korea, Japan, Okinawa and Vietnam.

IONOSPHERIC RADIO PROPAGATION—Kenneth Davies—Dover, 470 p., illus., paper, \$2.25. Unabridged reprint of work originally published in 1965 as National Bureau of Standards Monograph 80.

THE JOURNAL OF BEATRIX POTTER from 1881 to 1897—Transcribed from the author's code writing by Leslie Linder, introd. by H. L. Cox—Warne, Frederick, 448 p., illus., folded charts, \$12.95. Written between the ages 15 and 30, this only recently deciphered diary reveals much of the attention to detail and observational powers practiced early by one of the most engaging creative minds of the Victorian era.

MATERIALS SCIENCE RESEARCH, Vol. 3: The Role of Grain Boundaries and Surfaces in Ceramics—W. Wurth Kriegl and Hayne Palmour III, Eds.—Plenum Press, 631 p., illus., \$22.50. Concerned broadly with physical ceramics, the topics treated include the interrelationships existing between constitution, microstructure and responses of the material to stresses and energetic environments.

MATHEMATICS FOR EVERYONE—F. Klinger—Philosophical Lib., 195 p., diagrams, \$4.75. Originally published under the title 'Mais Oui, Vous Comprenez les Maths,' the book explains mathematical principles in everyday terms.

MEASURES FOR PROGRESS: A History of the National Bureau of Standards—Rexmond C. Cochrane, James R. Newman, Ed.—NBS (GPO), 703 p., illus., \$5.25. An authoritative and objective record of the development, achievements and goals of this highly specialized Federal agency, designed to give a better understanding of its services to the community of scientists and engineers, and to the general public, that it serves.

METHODS OF TEACHING PHYSICS IN SOVIET SECONDARY SCHOOLS: Proceedings of the Institute of Teaching Methods—V. F. Yus'kovich, Ed.: transl. from Russian by A. Moscona—I.P.S.T. (Davey, Daniel), 183 p., illus., \$7.50. Among topics treated are the history of physics teaching in Russia, examples of classroom teaching, laboratory arrangements and the training of students for practical work in physics.

MIND AND COSMOS: Essays in Contemporary Science and Philosophy—Robert G. Colodny, Ed.—Univ. of Pittsburgh Press, 362 p., \$8. Brings together essays of eight philosopher-scientists, examining and reinterpreting the objects and processes studied by science in their philosophical context.

MODERN DEVELOPMENTS IN POWDER METALLURGY, Vol. 1: Fundamentals and Methods; Vol. 2: Applications; Vol. 3: Development and Future Prospects—Henry H. Hausner, Ed.—Plenum Press, 393 p., 350 p., 275 p., illus., \$32.50, \$32.50, \$22.50; set of 3 vols. \$80. Proceedings of the 1965 International Powder Metallurgy Conference covering the latest developments in powder metallurgy.

MUCUS IN INVERTEBRATES: Collected Papers—Sophie Jakowska, Ed.—N.Y. Acad. of Sciences, Annals, Vol. 118, Art. 24, 171 p., illus., paper, \$4. Contains contributions of studies prepared in connection with the International Congress of Zoology, held in August 1963 in Washington, D.C.

NATIONAL DIRECTORY OF NEWSLETTERS AND REPORTING SERVICES: A Reference Guide to National, International and Selected Foreign Newsletters, Information Services, Financial Services, Association Bulletins, Training and Educational Services—Gale Research Co., 240 p., \$20. Assists in locating many of the less-well-known publications among its 1566 entries, grouped by subject, with title, publisher and subject indexes.

THE NEW WAY TO LIVE WITH DIABETES: A Complete Guide—Charles Weller, M.D., and Brian Richard Boylan—Doubleday, 133 p., illus., tables, \$3.95. A doctor discusses

the nature of diabetes, the types of the disease, its control, special problems and outlook for the future.

NIGHTMARE DRUGS—Donald Louria, M.D.—Pocket Bks., 96 p., paper, \$1. Written for the layman to correct existing misinformation, the book deals with the problem of drug abuse, from heroin to LSD, effects, laws, prevention and rehabilitation.

PETER KALM'S TRAVELS IN NORTH AMERICA: The English Version of 1770, Vol. I and II—Revised from original Swedish and edited by Adolph B. Benson—Dover, 797 p., illus., fold-out map, paper, \$2.50 each. Diary notes of botanist sent to America by the Swedish Academy in 1747 to search for seed material of plants hardy enough to endure the severity of the Swedish climate.

THE PHYSIOLOGICAL BASIS OF HABITATION—E. M. Glaser—Oxford Univ. Press, 102 p., illus., paper, \$3.50. Describes a series of physiological and pharmacological experiments in precise yet not too technical terms, showing that habitation is an essential mechanism of adaptation and that the frontal regions of the brain play an important part in establishing it.

PRINCIPLES OF DESALINATION—K. S. Spiegler, Ed.—Academic Press, 566 p., illus., \$21. Covers in detail the scientific, engineering and economic aspects of the various water desalting methods. Among subjects presented are thermodynamics, scale formation and the preparation of ultrapure water.

RESEARCH IN SURFACE FORCES, Vol. 2: Three-Dimensional Aspects of Surface Forces—B. V. Deryagin, Ed., transl. from Russian by Paul Porter Sutton—Consultants, 320 p., illus., paper, \$27.50. Deals with theoretical problems in surface phenomena, electrostatic forces, properties of thin films, surface phenomena in dispersed and porous systems, in adhesion and friction.

STARS AND PLANETS—Giorgio Abetti, transl. from 3rd Italian edition by V. Barocas—Faber & Faber (Am. Elsevier Pub. Co.), 341 p., illus., 30 plates, \$12.50. Intended mainly for the layman, the book gives in not too technical language a thorough description of the two classes of celestial objects which are different from the point of view of physical conditions and distance, yet formed by the same elements.

WASHINGTON '66—R. Gordon Arneson and Beatrice W. Visser, Eds.—Potomac Bks., 711 p., paper, \$10. Comprehensive annual directory of the Nation's Capital, arranged in useful groups, lists information on U.S. Government, international agencies, diplomatic missions, D.C. Government, community affairs, cultural institutions, colleges, hospitals, Press, clubs, associations, foundations and research & development.

THE WORLD OF ORIGAMI—Isao Honda, transl. from Japanese by Richard L. Gage—Japan Pubns. Trading Co. (N.Y.), 264 p., 2000 charts, 150 photographs by Yutaro Tsutsumi, \$9.50. A very complete treatment of fundamental and compound forms of the traditional methods of folding paper which guide Japanese children into a world of future art, craft, precision and invention.

Paint Now, Learn Later

By GUY R. WILLIAMS

"An excellent art guide for the beginner who wants to sketch or paint. Although the author, a noted artist and teacher, encourages the student to experiment freely for the experience you gain will give the best instruction of all, he also provides expert information and rules on material (brushes, paints, paper, etc.), on color and mixing, handling water colors and oils, on landscapes, portraits, abstracts, perspective, and much more—in a clear and simple style. Illustrated with 62 reproductions and line drawings. Indexed."—*The Latest Books.* **ORDER NOW!**

\$3.95 Postfree • 10-day Money-Back Guarantee
EMERSON BOOKS, Inc. Dept. 8-R
251 West 19 Street, New York 10011

**GEMS FROM THE MOON!
TEKTITES**

(See "TEKTITE" in your Dictionary)
Found in Asian Jungle, Gem-like TEKTITES fell molten from MOON in fiery meteor shower! NASA studies TEKTITES for effect of Interplanetary flight! Put the MOON in YOUR pocket! Average TEKTITE \$2.00. CHOICE \$5.00. LARGE-SELECT \$10.00. Money back guarantee! Mailed Post Paid day order received!
THE PURPLE POSSUM, Dept. SN, 212 W. McNEIL DR., PHOENIX, ARIZONA 85041

