

Books of the Week

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GEOCHEMISTRY AND MINERALOGY OF RARE ELEMENTS AND GENETIC TYPES OF THEIR DEPOSITS, Vol. I: Geochemistry of Rare Elements. Vol. II: Mineralogy of Rare Elements—K. A. Vlasov, Ed., transl. from Russian by Z. Lerman—IPST (Davey, Daniel), 688 p., 945 p., illus., \$24, \$32. Presents the results of investigations carried out by a large group of research workers at the Institute of Mineralogy, Geochemistry and Crystal Chemistry of Rare Elements of the Academy of Sciences of the USSR.

GEOLOGY: Our Changing Earth through the Ages—Jerome Wyckoff—Golden Press, 288 p., illus. in color, paper, \$2.95. Discusses earthquakes, rocks, glaciers, caves, rivers and ocean floor.

KEY PAPERS: Brain Physiology and Psychology—C. R. Evans and A. D. J. Robertson, Eds.—Univ. of Calif. Press, 280 p., illus., \$5. Important articles that contributed to advances in specific areas of brain physiology and psychology, with comments and suggestions for further reading.

MANPOWER STRATEGY FOR DEVELOPING COUNTRIES: Lessons from Ethiopia—Fli Ginzberg and Herbert A. Smith—Columbia Univ. Press, 188 p., \$6.75. Drawing on their field investigations in Ethiopia in 1966, the authors provide a new analytic model for the role of manpower in economic development.

PICTORIAL GUIDE TO THE MOON—Dinsmore Alter—Crowell, up-dated, expanded ed., 200 p., photographs, diagrams, \$8.95. Written by astronomer for the layman to give insight into the scientific purposes for a major national effort to explore the moon. Presents the data currently available to back up contradictory hypotheses.

PROCEEDINGS OF THE 1967 HEAT TRANSFER AND FLUID MECHANICS INSTITUTE—Paul A. Libby, Daniel B. Olfe and Charles W. Van Atta—Stanford Univ. Press, 468 p., illus., \$12.50. Papers deal with post-Apollo re-entry phenomena, propulsion fluid mechanics and heat transfer, and with vortices, wakes and boundary layers.

QUASARS: Their Importance in Astronomy and Physics—F. D. Kahn and H. P. Palmer—Harvard Univ. Press, 112 p., plates, diagrams, \$5.50. Deals with the recent investigations and discoveries by astrophysicists and radio astronomers concerning quasi-stellar objects associated with discrete radio sources, written in language readers with scientific interests can understand.

ROCK ART OF THE AMERICAN INDIAN—Campbell Grant—Crowell, 178 p., color plates, photographs and drawings by author, maps, \$12.95. Introduces the general public to widely scattered examples of rock art in North America, identifying motifs and their probable meanings, correlating them with regional and tribal cultures and migrations, and locating major sites of rock art throughout the continent.

ROCKS AND RILLS: A Look at Geology—A. Harris Stone and Dale Ingmanson—Prentice-Hall, 70 p., illus. by Peter P. Plasencia, \$3.75. Introduces young minds to many of the processes that make and change the face of the earth.

SOCIAL BEHAVIOUR IN ANIMALS with Special Reference to Vertebrates—N. Tinbergen—Methuen (Barnes & Noble), 150 p., illus., \$2.75; paper, \$1.50. Presents a biological approach to the phenomena of social behavior.

SOURCEBOOK OF LABORATORY EXERCISES IN PLANT PATHOLOGY—Sourcebook Committee of the American Phytopathological Society; Arthur Kelman, Chmn.—Freeman, 388 p., diagrams, \$8.50. Exercises designed to make available recent significant advances in research for use in teaching plant pathology.

ULRICH'S INTERNATIONAL PERIODICALS DIRECTORY, Vol. I: Scientific, Technical & Medical—Marietta Chicorel, Ed.—Bowker, 12th ed., 540 p., \$15. A classified guide to more than 12,000 titles of current periodicals, foreign and domestic, arranged by subjects ranging from abstracting services to water supply.

VEHICULAR TRAFFIC SCIENCE: Proceedings of the Third International Symposium on the Theory of Traffic Flow—Leslie C. Edie, Robert Herman and Richard Rothery, Eds.—Am. Elsevier Pub. Co., 373 p., diagrams, \$16. Presents advances in the statistical and mathematical understanding of vehicular traffic.

THE WATER CRISIS—Senator Frank E. Moss, foreword by Paul H. Douglas—Praeger, 305 p., illus., \$5.95. Presents an analysis of the pressures that have brought about the water crisis facing the United States, discusses projects devoted to solutions for water problems, and offers proposals for reorganization to achieve a fundamental national water policy.

THE WORLD OF THE RAIN FOREST—Robert Silverberg—Meredith Press, 172 p., photographs, maps, \$4.95. Beautifully written exploration of the rain forest's flora and fauna.

THE WORLD WE LIVE IN—Editorial Staff of LIFE and Lincoln Barnett, adapted by Jane Werner Watson—Golden Press, 224 p., 150 illus. in color, paper, \$2.45. Condensed version of 1956 original edition.

Textbooks

AERODYNAMICS OF V/STOL FLIGHT—Barnes W. McCormick, Jr.—Academic Press, 328 p., diagrams, \$17. Intended as both a reference book and text for senior-level undergraduate and graduate courses in low speed aerodynamics, with emphasis on the use of approximations in obtaining practical results.

EXPERIMENTAL SUPERFLUIDITY—R. J. Donnelly—Univ. of Chicago Press, 264 p., illus., paper, \$3.50. Notes compiled from material presented in a graduate course at the University of Chicago in the winter quarter, 1966.

FUEL: Solid, Liquid and Gaseous—J. S. S. Brame and J. G. King, rev. by J. G. King—St. Martins, 6th ed., 518 p., illus., \$23. Extensively revised, well-known textbook on the properties of fuels and the methods of application.

THE HUMAN NERVOUS SYSTEM: Basic Elements of Structure and Function—Charles R. Noback—McGraw-Hill, 281 p., illus. by Robert J. Demarest, \$13.95. This textbook combines the efforts of a neuroanatomist and a medical illustrator to present the fundamental principles and the more significant aspects of the structure and function of the human nervous system.

AN INTRODUCTION TO FOURIER ANALYSIS—R. D. Stuart—Methuen (Barnes & Noble), 128 p., \$3.25; paper, \$1.75. Deals with Fourier series, analysis of periodic waveforms, Fourier integrals, analysis of transients, and application to circuit and wave motion analysis.

INTRODUCTION TO SEMIMICRO QUALITATIVE ANALYSIS—C. H. Sorum—Prentice-Hall, 4th ed., 277 p., \$4.95. Text for laboratory work concerned with the identification of substances, new edition includes revised procedures.

AN INTRODUCTION TO TENSOR CALCULUS AND RELATIVITY—Derek F. Lawden—Methuen (Barnes & Noble), 186 p., diagrams, \$4.50; paper, \$2.85. Text covers Lorentz transformations, Cartesian tensors, special relativity mechanics and electrodynamics, general tensor calculus, Riemannian space and general theory of relativity.

MORE SPECTROSCOPIC PROBLEMS IN ORGANIC CHEMISTRY—Archibald J. Baker and others—Heyden & Son Ltd. (Preston Technical Abstracts, Evanston, Ill.), 85 p., illus., paper, \$4. Sixty problems offer practice in the joint application of mass spectrometric data, nuclear magnetic resonance, infrared and ultraviolet spectra.

THE PHYSICAL SCIENCES: An Introduction—Stephen S. Winter—Harper, 413 p., illus., \$8.95. Suitable material for a one-semester physical science survey course.

RADIOISOTOPE MEASUREMENT APPLICATIONS IN ENGINEERING—Robin P. Gardner and Ralph L. Ely, Jr.—Reinhold, 483 p., diagrams, \$16. Designed as a text-reference in radioisotope methods that deal with measurements, primarily a text for senior or graduate engineers.

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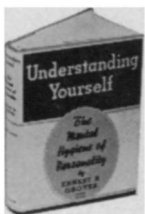
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