

Books of the Week

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THE ART OF THE SOLUBLE—P. B. Medawar—Methuen (Barnes & Noble), 160 p., \$4.50. Essays on the theme that good scientists study the most important problems they think they can solve, research being "the art of the soluble."

THE COMMUNITY BUILDERS—Edward P. Eichler and Marshall Kaplan—Univ. of Calif. Press, 196 p., photographs, maps, \$5.50. Concerned with the development of new towns, this study explains the preliminaries of public policy and procedures that precede proposed solutions, and describes and analyzes some newly developed communities. See story SN 7/15.

COMPUTERS IN HUMANISTIC RESEARCH: Readings and Perspectives—Edmund A. Bowles, Ed.—Prentice-Hall, 264 p., diagrams, \$7.95. Short surveys on the use of computers in anthropology and archaeology, history and political science, language, literature and musicology, with papers on research projects using data processing techniques as an important tool of scholarship.

DETECTION AND DETERMINATION OF TRACE ELEMENTS: Absorption Spectrophotometry, Emission Spectroscopy, Polarography—Maurice Pinta, preface by Felix Trombe, transl. from French by Miriam Bivas—IPST (Davey, Daniel), 588 p., diagrams, \$29.50. Treatment emphasizes general problems of sampling, solubilization and enrichment of samples by modern physicochemical methods, such as electrolytic separation, ion exchange and chromatography.

A DICTIONARY OF GEOLOGY—John Chalmers—Oxford Univ. Press, 3rd ed., 298 p., \$6.75. Contains more than 2000 names and terms, including quotations and references, both ancient and modern.

EDUCATORS GUIDE TO FREE FILMS—Mary Foley Horkheimer and John W. Diffor, Eds.—Educators Progress Service, 27th ed., 738 p., paper, \$9.50. Up-to-date, annotated listings arranged by subject include some 600 films in biology, chemistry, general science and physics.

ELECTRONIC ENGINEERING MEASUREMENTS FILEBOOK—EEE Magazine Staff, Eds.—TAB Bks., 2nd ed., 248 p., diagrams, \$9.95. Collection of detailed techniques including data on test equipment, circuitry, procedures and data presentation.

ENGINEERING MANUAL: A Practical Reference of Data and Methods in Architectural, Chemical, Civil, Electrical, Mechanical and Nuclear Engineering—Robert H. Perry, Ed.-in-Chief—McGraw-Hill, 2nd ed., 770 p., illus., \$11.75. Presents in individual sections the commonly used formulas, data and methods of the principal engineering fields.

ESKIMO PRINTS—James Houston—Barre Publishers, 112 p., illus., map, \$12.50. Collection of stone cut and sealkin stencil prints expressing Eskimo life graphically.

GEOGRAPHIC DISTRIBUTION OF FEDERAL FUNDS FOR RESEARCH AND DEVELOPMENT: Fiscal Year 1965—National Science Foundation—GPO, 188 p., paper, \$1. Figures show the kind of activities and size of share in the \$14.4 billion of federal R&D funds distributed among individual States.

HANDBOOK OF INDUSTRIAL METROLOGY—American Society of Tool and Manufacturing Engineers—Prentice-Hall, 492 p., illus., \$15. A reference work on the theory, principles, standards, techniques and instrumentation design and application for physical measurements in the manufacturing industries.

IS ANYONE THERE?—Isaac Asimov—Doubleday, 320 p., \$5.95. Speculative essays on the known and unknown about life, nonlife, other worlds and future life.

JOSEPH PRIESTLEY: Revolutions of the Eighteenth Century—F. W. Gibbs—Doubleday.



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258 p., 20 plates, illus., \$6. Sketches in broad outline Priestley's life and scientific work, quoting from original sources.

THE LAYMAN'S DICTIONARY OF PSYCHIATRY—James A. Brussel and George La Fond Cantzlaar—Barnes & Noble, 269 p., \$4.50; paper, \$1.95. Clear explanations of psychiatric terms, includes list of combination roots.

A MANUAL OF CLINICAL ALLERGY—John M. Sheldon, Robert G. Lovell and Kenneth P. Mathews—Saunders, 2nd ed., 550 p., illus., \$15. Prepared primarily for the physician interested in devoting part of his time to the treatment of allergy patients, presents the subject in a manner found practical at allergy clinics.

MODERN PRESTRESSED CONCRETE—H. Kent Preston and Norman J. Sollenberger—McGraw-Hill, 337 p., illus., \$13.50. Designed to furnish the structural engineer with all the information required for the design of safe and economical prestressed concrete structures.

ONE MAN'S LOG—Edwin N. Ferdon, Jr.—Rand McNally, 198 p., photographs, \$4.95. Account of Heyerdahl's Easter Island expedition based on the diary of a member who was in charge of a team of native diggers.

PERFUMERY AND FLAVORING SYNTHETICS—Paul Z. Bedoukian—Am. Elsevier Pub. Co., 2nd rev. ed., 395 p., diagrams, \$23. Gives the history of the principal perfumery synthetics, their chemistry, application, physical and chemical properties, manufacture and uses.

RADIOBIOLOGICAL FACTORS IN MAN-NEED SPACE FLIGHT—Wright H. Langham, Ed.—NAS-NRC, 274 p., \$7.50. Report of the Space Radiation Study Panel of the Life Sciences Committee, Space Science Board, reviewing information on radiobiology, with emphasis on human responses to potential risks on space flights of up to three years' duration.

REFLECTIONS ON RESEARCH AND THE FUTURE OF MEDICINE: A Symposium and Other Addresses—Charles E. Lyght, Ed.—McGraw-Hill, 210 p., photographs, \$9.95. Records the substance of a high-level colloquium dealing with various aspects of molecular biology, degenerative diseases, and new biodynamic substances.

SEESAWS TO COSMIC RAYS: A First View of Physics—Mitchell Wilson—Lothrop, 96 p., illus., by Eva Cellini, \$4.95. Defines the nature of both classical and modern physical concepts in a manner intriguing to young minds.

THE SPY IN THE CORPORATE STRUCTURE and the Right to Privacy—Edward Engberg—World Pub. Co., 274 p., \$5.95. About the devices employed in industrial espionage, some counter-measures, and the related issue of an individual's right to privacy.

WILD RODENTS—C. B. Colby—Meredith Press, 155 p., photographs, \$3.95. Information on a wide variety of rodents, from the South American agouti to the Mississippi woodchuck.

THE WORLD OF POWER AND ENERGY—Frank Ross, Jr.—Lothrop, 224 p., photographs, drawings by author, \$4.50. A survey for young people of the most important energy sources—sun, wind, water, fossil fuels, chemicals and the atom.

THE WORLD OF THE CHILD: Essays on Childhood—Toby Talbot, Ed.—Doubleday, 468 p., \$6.95. An anthology of thoughtful essays by psychologists, psychiatrists, educators and anthropologists giving perspective to the complex problems of childhood from birth to adolescence.

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TEXTBOOKS

BIOSCIENCE—Robert B. Platt and George K. Reid—Reinhold, 528 p., photographs, illus. by Charles W. Schmidt, \$9.50. A freshman textbook, presenting a well-balanced, broadly conceived treatment of biology, the interaction of the organisms with their environment, with each other and with man.

THE ECOLOGY OF INSECT POPULATIONS: In Theory and Practice—L. R. Clark and others—Methuen (Barnes & Noble), 232 p., diagrams, \$8. A textbook on population ecology, presents principles derived from demographic studies of insects in various parts of the world, and shows how to apply those principles both in research and in the management of biological resources.

ELECTRONICS FOR BIOLOGISTS—Franklin F. Offner—McGraw-Hill, 185 p., diagrams, \$6.95. Text focuses attention on the measuring aspects of instrumentation, such as amplifications, oscillators and transducers.

FUNDAMENTALS OF ELECTRONICS, Vols. II and III—George E. Owen and P. W. Keaton—Harper, 295 p., 350 p., diagrams, \$14, \$16.95. Texts for advanced level course. Vol. II covers charged particle dynamics, vacuum tubes, theory of solids, semiconductors and the transistor. Vol. III deals with electronic circuits, amplifiers, timing circuits and negative-resistance devices.

INORGANIC CHEMISTRY—R. T. Sanderson—Reinhold, 430 p., illus., \$14. Textbook for college course incorporating new material with a broad coverage of theoretical and descriptive aspects of inorganic chemistry.

AN INTRODUCTION TO THE LAPLACE TRANSFORMATION with Engineering Applications—J. C. Jaeger—Methuen (Barnes & Noble), 156 p., diagrams, \$3; paper, \$1.50. Largely a collection of worked examples illustrating the methods of solution of the various types of problems commonly arising in circuit theory.

MODERN COMMUNICATION PRINCIPLES: With Application to Digital Signaling—Seymour Stein and J. Jay Jones—McGraw-Hill, 382 p., diagrams, \$15. Designed for self-study, with special emphasis on applications to system design.

THE PHYSICS OF THE EXPERIMENTAL METHOD—H. J. J. Braddick, foreword by P. M. S. Blackett—Chapman & Hall (Barnes & Noble), 480 p., diagrams, \$8; paper, \$4.75. Textbook based on a lecture course given at Manchester University.

PROBLEMS OF MODERN PHYSICS: A Course of Lectures Delivered in the California Institute of Technology—H. A. Lorentz; H. Bateman, Ed.—Dover, 312 p., diagrams, paper, \$2.25. Unabridged republication of 1927 edition, giving a concise treatment of concepts that are still at the heart of physics.

Handbook of Knots & Splices

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