

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 Department, Science Service, 1719 N St., N.W., Washington, D. C. 20036.

ALBERT EINSTEIN AND THE COSMIC WORLD ORDER—Cornelius Lanczos—Inter-science, 139 p., diagrams, \$3.95. Based on theoretical physicist's lectures examining the revolutionary ideas of Einstein concerning the fundamental categories of the physical world—space, time and matter.

ANDROMEDA BREAKTHROUGH—Fred Hoyle and John Elliot—Harper, 192 p., \$3.50. Science fiction, co-authored by astrophysicist.

APPLIED MATHEMATICS FOR ENGINEERS AND SCIENTISTS—S. A. Schelkunoff—Van Nostrand, 2nd ed., 496 p., diagrams, \$9.50. Presents specialized mathematical concepts for solving engineering problems, using approximation and perturbation methods to obtain working solutions.

ARCHAEOLOGY OF THE NEW TESTAMENT—R. K. Harrison—Assn. Press, 138 p., photographs, \$3.95. Describes archaeological discoveries related to the New Testament, for the general reader, with annotations for advanced students.

ARCHAEOLOGICAL INVESTIGATIONS IN THE PARITA AND SANTA MARIA ZONES OF PANAMA—John Ladd—Smithsonian Inst. (GPO), 291 p., 25 plates, illus., \$2.50. An analysis of the ceramic remains from five prehistoric sites excavated by two expeditions in western Panama in 1948 and 1952.

CATHOLICS AND BIRTH CONTROL: Contemporary Views on Doctrine—Dorothy Dunbar Bromley, foreword by Richard Cardinal Cushing, preface by John L. Thomas, S.J.—Devin-Adair, 207 p., \$4.95. The author, not a Catholic, presents a carefully documented survey of the published views in the present controversy.

DNA: LADDER OF LIFE—Edward Frankel—McGraw, 126 p., illus. by Anne Marie Jauss, \$2.95. Explains to young people how scientists have worked out the structure of the molecule of life and are deciphering some of its coded messages.

EARTH SCIENCE: The World We Live In—Samuel N. Namowitz, Donald B. Stone, Ed.—Van Nostrand, 3rd ed., 596 p., illus., \$5.60. Expanded textbook on junior-high-school level.

EXPLAINING THE ATOM—Selig Hecht, rev. and expanded by Eugene Rabinowitch—Viking Press, 237 p., diagrams, paper, \$1.45. Clear exposition of atomic energy, for the general reader.

FRAMEWORKS FOR DATING FOSSIL MAN—Kenneth P. Oakley—Aldine Pub. Co., 355 p., illus., maps, \$8.75. Deals with the bases of stratigraphical and cultural dating of early man to meet the needs of archaeologists concerned with Quaternary deposits, and to meet the needs of geologists requiring to know the terminology of Palaeolithic and Mesolithic cultures.

THE HOUSE CROSS OF THE MAYO INDIANS OF SONORA, MEXICO: A Symbol of Ethnic Identity—N. Ross Crumrine—Univ. of Ariz. Press, 57 p., illus., paper, \$3. Anthropological paper based on field research.

HUMAN ENGINEERING GUIDE FOR EQUIPMENT DESIGNERS—Wesley E. Woodson and Donald W. Conover—Univ. of Calif. Press, 2nd ed., multi-paged, illus., \$10. This greatly expanded edition presents the results of research and experimentation in the fields of industrial engineering, equipment design, systems engineering and industrial psychology.

HUMIDITY AND MOISTURE: Measurement and Control in Science and Industry, Vol. 1: Principles and Methods of Measuring Humidity in Gases—Robert E. Ruskin, Ed.; Arnold Wexler, Ed.-in-Chief—Reinhold, 687 p., illus., \$30. Complete reference work on instrumentation for water vapor measurement, dealing in detail with latest developments in hygrometry.

THE MAD MOTORISTS: The Great Peking-Paris Race of '07—Allen Andrews—Lippincott, 256 p., 22 plates, maps, \$5.95. An attempt at reconstructing the events and personalities in a five-car, 10,000-mile automobile trip across Europe and Asia early in the century.

THE MANAGEMENT OF IMPROVEMENT: Concepts, Organization and Strategy—Robert N. Lehrer—Reinhold, 415 p., \$11.50. Discusses wide range of approaches to improvement in organization and management.

MENTAL HEALTH OF THE POOR: New Treatment Approaches for Low Income People—Frank Riessman, Jerome Cohen and Arthur Pearl, Eds.—Free Press, 648 p., \$8.95. A pioneering study designed to discover what adaptations and modifications of traditional treatment are needed to make community mental health centers effective centers for treatment and rehabilitation.

THE NATURE OF THE PLANETS—V. V. Sharnov, transl. from Russian—Israel Program for Scientific Transl. (OTS 63-11177), 418 p., illus., paper, \$4.25. Brings together, as of 1956, the observational facts on the nature of planets and satellites in the solar system.

PLASTICIZER TECHNOLOGY, Vol. 1—Paul F. Bruins, Ed.—Reinhold, 248 p., illus., \$12.75. Offers practical approach to the selection of the optimum plasticizer systems for rubber and related polymers, cellulose, and acrylic resins.

PREGNANCY: Conception and Heredity—Eric Weiser, transl. from German by Therese Pol—Blaisdell Pub. Co., 148 p., illus., paper, \$1.50. Written in plain language, brings together what science knows about such factors as sex determination, prenatal development, the Rh-negative factor and parthenogenesis.

RADIOISOTOPIC POWER GENERATION—William R. Corliss and Douglas G. Harvey; foreword by Glenn T. Seaborg—Prentice-Hall, 304 p., illus., \$14.75. Brings together in a book for the first time the whole spectrum of progress in this field, general design considerations and specific generators such as the SNAP series for surface, undersea and space uses, nuclear batteries and advanced concepts.

REPTILES AND AMPHIBIANS: Their Care and Behaviour—Zdenek Vogel, transl. and rev. by Gwynne Veyers—Viking Press, 228 p., 253 photographs, \$12.50. Deals with the most representative members of reptile and amphibian fauna from every continent, with personal experiences on their capture, transport and vivarium practice.

SEXUAL REPRODUCTION—Susan Michelmore—Nat. Hist. Press, 299 p., illus. by author, \$4.50. An up-to-date and clearly written explanation of how the mechanism of sexual reproduction works, its basis in the division of cells, and how the process of evolution gave rise to different methods of reproduction which in turn affected patterns of behavior.

SICK CITIES—Mitchell Gordon—Penguin Bks., 444 p., maps, paper, \$2.25. A comprehensive presentation of the growing pains of large cities and U.S. suburban areas.

SOVIET EDUCATORS ON SOVIET EDUCATION—Ed. and transl. by Helen B. Redl, foreword by Fritz Redl—Free Press, 252 p., \$6.95. These selections from popular pamphlets as well as official decrees give the reader insight into the Soviet approach to rearing and educating children.

TANNING IN THE UNITED STATES TO 1850: A Brief History—Peter C. Welsh—U.S. National Mus. (GPO), 99 p., illus., \$1.50. Monograph on the techniques of tanning and the Delaware tanneries.

TECHNIQUES IN EXPERIMENTAL VIROLOGY—R. J. C. Harris, Ed.—Academic Press, 450 p., illus., \$15. A sourcebook of techniques in virology written by experts in the field of plant, insect and animal virology.

THE THEORY OF COMMUNISM: An Introduction—George H. Hampsch—Philosophical Lib., 245 p., \$3.75. Deals with Marxian principles of historical and dialectical materialism, Marxian ethics, and how Communism is applying some of these principles.

THERMODYNAMICS: A Generalized Approach—A. I. Veinik, transl. from Russian—IPST (OTS 64-11102), 259 p., diagrams, paper, \$2.75. An attempt to unify classical thermodynamics with such space-time concepts as heat transmission theory, heat-exchange theory, thermodynamics of irreversible processes and heat-mass-exchange theory.

WHISTLERS AND RELATED IONOSPHERIC PHENOMENA—Robert A. Helliwell—Stanford Univ. Press, 349 p., illus., \$12.50. Comprehensive treatment of subject increasingly important in studies of very-low-frequency propagation, the magnetosphere and satellite communication.

THE WORLD ALMANAC 1965 and Book of Facts—Harry Hansen, Ed.—N.Y. World Telegram (Doubleday), 80th ed., 896 p., \$2.50. Well-known annual of standard facts about the world, features election figures of 1964, world population changes, new science developments and international conferences.

• Science News Letter, 87:108 February 13, 1965

Super Jet
OVER 2000° F.
SOLID FUEL BLOWTORCH

A Jet Age Creation
NO PREHEATING—STARTS AT ONCE. You can solder, silver solder, braze, anneal or harden, form glass with this amazing new torch. Non-explosive! **FAST, CLEAN and SAFE.** Each tablet gives high heat for ten minutes, can be extinguished & relighted. Lifetime guarantee Super Jet and 12 tablets (2-hour supply) with directions. . . .
Extra tube of 12 tablets 35¢ plus 10¢ mailing.

\$1.99

THE BIRK MFG. CO. Post Paid
Niantic 515, Connecticut No. C.O.D. please

TO MEN WHO JUST "CAN'T LEARN" MATH!

More and more in our dynamic economy, a knowledge of basic mathematics pays off!

Whether in Engineering, Electronics, Mechanics, Construction, Pure Science, etc.—or in Estimating, or Trade and Finance, or Buying and Selling, etc.—the man who gets there fustest with the mostest, MATH-WISE, is likely to be rewarded handsomest!

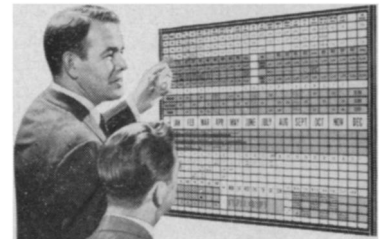
Fortunately, there now exists, in a single volume of 240 fact-packed pages (including 195 clarifying illustrations), a basic course in mathematics, from arithmetic to the calculus, arranged logically and in order of difficulty. Explanations of principles are followed by worked examples.

This one-volume math "library" economizes not only your money but, more important, your time. Amazingly, the author, with a rare talent for simplifying the complicated, covers the whole gamut: treatment of fractions, decimals, square root and cube root, logarithms, progression averages, interest, algebra, equations, graphs, plane and solid geometry, trigonometry, differential and integral calculus; useful mathematical tables; summary of mathematical formulas, etc., etc.

This remarkable work, which already has aided thousands, will be of enormous help not only to those who have forgotten their mathematics but also to those now acquiring it. You may try it out at our risk. **ORDER NOW:**

A REFRESHER COURSE IN MATHEMATICS
by F. J. Camm
240 pages • 195 Illustrations
\$2.95 Postfree • 10-Day Money-Back Guarantee
EMERSON BOOKS, Inc., Dept. 339-P
251 W. 19th Street, New York 11

GRAPHIC VISUAL CONTROL



You Get Things Done Better And Faster

The **BOARDMASTER** saves time, cuts costs and prevents errors. You see what is happening. Shows facts at eye level. For Production, Scheduling, Inventory, Sales, Traffic, Etc.

Simple to operate. Write on cards, post on board. Fully flexible. Million in use. Price \$49.50 with cards.

FREE 24 Page **BOOKLET** No. V-10
Mailed Without Obligation

GRAPHIC SYSTEMS, Box 398, Yanceyville, N.C.

GENERAL SCIENCE

Design Details Unveiled For Air, Space Museum

► **DETAILED DESIGNS** for the Smithsonian Institution's National Air and Space Museum, which will be the largest building of its kind in the world, have been unveiled.

The new museum will be situated on the Washington Mall opposite the National Gallery of Art and is expected to be completed by 1969. It will house the hundreds of exhibits that are now stored in warehouses because of lack of space.

It is estimated that more than five million persons will visit it each year to see such historic exhibits as the Wright Brothers' plane, Lindbergh's Spirit of St. Louis, the mighty Atlas missile and John Glenn's space capsule.

The overall cost for the new museum is estimated at \$42 million.

• Science News Letter, 87:108 February 13, 1965