

# books OF THE WEEK

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**ADVANCED TECHNIQUES FOR TROUBLESHOOTING WITH THE OSCILLOSCOPE**—Robert L. Goodman—TAB Bks., 1969, 256 p., illus., \$7.95. A practical handbook on using modern scopes, including those employing triggered-sweep and dual-trace capabilities.

**AMERICA'S ENDANGERED WILDLIFE**—George Laycock—Norton, 1969, 226 p., photographs, \$4.95. A discussion of nearly extinct animal species and what is being done to try to save them.

**THE AMERICANS: A Conflict of Creed and Reality**—Ronald Segal—Viking Press, 1969, 340 p., \$6.95. A foreign, concerned observer of the American scene writes about such topics as violence and the divided hope, the open and shut society, and the insurrectionists.

**ANATOMY OF ANTI-COMMUNISM**—James E. Bristol and others—Hill & Wang, 1969, 138 p., \$4.50; paper, \$1.50. A report prepared for the Peace Education Divisions of the American Friends Service Committee.

**THE ARCHAEOLOGY OF NEW YORK STATE**—William A. Ritchie—Natural Hist. Press, 1969, rev. ed., 357 p., 113 illus., maps, \$15. Contains most recent data from site excavations, the most important contributions pertaining to the Paleo-Indian and Archaic segments of prehistoric cultural development.

**CHEMISTRY PROBLEMS and How to Solve Them**—Paul R. Frey—Barnes & Noble, 1969, 7th ed., 288 p., diagrams, paper, \$1.95. The mathematics for general chemistry demonstrated by 244 completely solved examples, includes 1040 problems with answers.

**CLIMATE AND WEATHER**—Hermann Flohn, transl. from German by B. V. deG. Walden—McGraw-Hill, 1969, 253 p., photographs (14 in color), diagrams, paper, \$2.45. Authoritative, unmathematical treatment of the principles and other aspects of climate, clouds, atmospheric layer, weather forecasting and climate modification.

**COLLECTED WORKS OF COUNT RUMFORD**, Vol. II: Practical Applications of Heat—Sanborn C. Brown, Ed.—Harvard Univ. Press, 1969, 523 p., illus., \$10. Papers range from experimental investigations on cooling bodies to experiments and observations on the adhesion of the particles of liquids to each other.

**THE CZECH BLACK BOOK**—Robert Littell, Ed.—Praeger, 1969, 303 p., \$6.95. English translation of an eyewitness, documented account of the 1968 invasion of Czechoslovakia, prepared by the Institute of History, Czechoslovak Academy of Sciences.

**DIALOGUE WITH ISHMAEL: Israel's Future in the Middle East**—Aubrey Hodess—Funk & Wagnalls, 1969, 258 p., \$5.95. Presents analysis of contemporary Jewish-Arab relationships and suggests concrete program for an Israeli-Arab settlement based on the author's intimate knowledge of Middle East affairs.

**A HISTORY OF JAPANESE ASTRONOMY: Chinese Background and Western Impact**—Shigeru Nakayama—Harvard Univ. Press, 1969, 329 p., illus., \$10. Comprehensive history of the development of Japanese astronomy begins with detailed description of Chinese astrology, calendar-making and cosmology and their influence on Japan from the sixth to the sixteenth century.

**HOW PSYCHOLOGISTS DO RESEARCH: The Example of Anxiety**—David S. Dustin—Prentice-Hall, 1969, 108 p., paper, \$2.50. Presents briefly a set of methodological principles and describes examples of various types of experiments.

**INDICATORS OF SOCIAL CHANGE: Concepts and Measurements**—Eleanor Bernert Shel-

## LEARN MODERN MATH!

Stumped by references to cybernetics, game theory? Confused by relativity? Brilliant new book by remarkable expositor makes these & other important new fields crystal-clear to laymen, students. "Great Ideas of Modern Mathematics." J. Singh, 213pp. \$1.75 + 10¢ postage. Money-back guarantee. Dept. SNL, Dover, 180 Varlek St., New York, N.Y. 10014

don and Wilbert E. Moore, Eds.—Russell Sage Foundation, 1968, 822 p., tables, \$15. Analytical studies and essays by leading social scientists examining structural change in American society and its constituent features: the demographic base, major structural components of the society, distributive and aggregative features of the society.

**INTERNATIONAL REVIEW OF CRIMINAL POLICY**, No. 25—Department of Economic and Social Affairs, United Nations—U.N. (International Publications, N.Y.), 1968, 110 p., paper, \$2. Articles, U.N. activities and meetings devoted to the theme of the prevention of delinquency in the context of national development.

**LINGUISTICS TODAY**—Archibald A. Hill, Ed.—Basic Bks., 1969, 291 p., \$6.95. Presents a synthesis of what linguists of various kinds do when they are practicing their science, from a discussion of phonemics and acoustic phonetics to glossematics, and generative grammar.

**MICROWAVE SEMICONDUCTOR DEVICES AND THEIR APPLICATIONS**—H. A. Watson, Ed.—McGraw-Hill, 1969, 617 p., illus., \$22.50. Provides complete coverage, discusses the physical principles governing the operation of diodes and transistors, as well as the physical and technological limitations that restrict device and circuit performance.

**THE MOLECULAR BASIS OF MEMORY**—Edward M. Gurowitz, Ed.—Prentice-Hall, 1969, 92 p., diagrams, paper, \$3.50. Provides critical review of recent research on the chemical basis of memory, including work with drugs, RNA injections and work on inter-animal transfer of learning.

**OUR NATION AND THE SEA: A Plan for National Action**—Commission on Marine Science, Engineering and Resources; Julius A. Stratton, Chmn.—GPO, 1969, 305 p., illus., paper, \$2.75. Highlights of studies and recommendations concerning national capability in the sea, management of coastal zone, marine resources, global environment, operating services, organizing a national ocean effort, and financial plan for marine science.

**PEDAGOGUES AND POWER: Teacher Groups in School Politics**—Alan Rosenthal—Syracuse Univ. Press, 1969, 192 p., \$7.50; paper, \$3.50. This study, one of several in the Education in Large Cities Series, deals with the role of teacher organizations in making educational policy. It attempts to describe how and explain why teacher participation and power develop in the large cities.

**PLANTS: Adaptation Through Evolution**—Joan Eiger Gottlieb—Reinhold, 1969, 114 p., photographs, drawings, paper, \$2.25. A readable account, taxonomic and developmental in orientation, emphasizes meaningful comparisons between and contributions from each plant group.

**POLYMER SCIENCE: Current Concepts and Civic Applications**—Francis W. Michelotti, Ed.—N.Y. Acad. of Sciences, Annals, Vol. 155, Art. 2, 1969, 275 p., illus. paper, \$11.50. Series of papers dealing with syntheses of macromolecules, macromolecules in solution and in the solid state, and polymer science in telecommunication and prevention of pollution.

**POPULAR TUBE/TRANSISTOR SUBSTITUTION GUIDE**—TAB Editorial Staff—TAB Bks., 1969, 157 p., diagrams, paper \$4.95. Quick-reference guide to substitution data for both tubes and transistors.

**POVERTY, PLANNING AND POLITICS IN THE NEW BOSTON: The Origins of ABCD**—Stephan Thernstrom—Basic Bks., 1969, 199 p., \$5.95. Relates the early history of federal and Ford Foundation experimental efforts initiated in 1961 through the agency called Action for Boston Community Development.

**PRAGUE'S 200 DAYS: The Struggle for Democracy in Czechoslovakia**—Harry Schwartz—Praeger, 1969, 274 p., \$5.95. Covers the events of Czechoslovakia's attempt at self-liberation between January 5 to August 20, 1968, together with some historic background material.

**PRODUCTION THEORY AND INDIVISIBLE COMMODITIES**—Charles R. Frank, Jr.—Princeton Univ. Press, 1969, 141 p., diagrams, \$6.50. Applies modern mathematical techniques to the problem of pricing and resource allocation under conditions of commodity indivisibility and increasing returns to scale.

## AUTHORS WANTED BY NEW YORK PUBLISHER

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**PROSPECTIVES OF PI-INTERACTIONS IN BIOLOGICAL SYSTEMS**—Joseph Harris, Ed.—N.Y. Acad. of Sciences, Annals, Vol. 153, Art. 3, 1969, 153 p., diagrams, paper, \$8.50. Current research on pi-complexes, ranging from pi-interactions in metalloporphyrins and hemoproteins to studies on the calculation of stacking energies in DNA.

**SCIENCE AND CIVIC LIFE IN THE ITALIAN RENAISSANCE**—Eugenio Garin, transl. from Italian by Peter Munz—Doubleday, 1969, 176 p., paper, \$1.25. Studies attempt to show how the cultural development, strictly tied in its origins to the life of the Italian city of the 15th century, came to be one of the preconditions of modern science.

**SEASHELLS OF NORTH AMERICA: A Guide to Field Identification**—R. Tucker Abbott—Golden Press, 1969, 280 p., 1,000 illus. in color by George F. Sandstrom, \$5.95; paper, \$3.95. Authoritative field guide to more than 850 species in 170 families, covering the common shells of both the Atlantic and Pacific coasts.

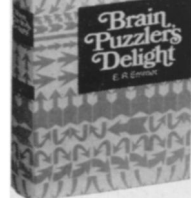
**SEMANTIC INFORMATION PROCESSING**—Marvin Minsky, Ed.—MIT Press, 1969, 438 p., \$15. Collection of studies in artificial intelligence, original dissertations dealing with semantic information retrieval, natural language input for computer problem-solving system, semantic memory, and program for the solution of geometric-analogy intelligence test question.

**THE SURPRISE ATTACK IN MATHEMATICAL PROBLEMS**—L. A. Graham—Dover, 1968, 125 p., illus., paper, \$1.75. Original problems in almost every area of mathematics, each can be solved in more than one way, with best solutions included.

**THERAPY, COMMUNICATION AND CHANGE: Human Communication, Vol. 2**—Don D. Jackson, Ed.—Science & Behavior Bks., 1968, 276 p., \$4.95. Research papers dealing with psychotic behavior and its interactional context, interactional view of psychotherapy, and conjoint family therapy.

**THE TREATMENT OF INDUSTRIAL WASTES**—Edmund B. Besselièvre—McGraw-Hill, 1969, 403 p., photographs, diagrams, \$16.50. Presents the latest techniques for handling liquid industrial wastes in order to prevent stream pollution and to encourage the renovation of the affluents for the reuse of water.

## Brain Puzzler's Delight



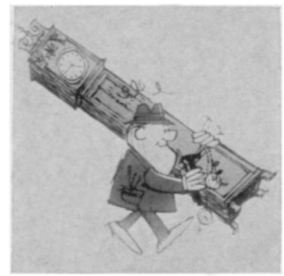
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