

# books OF THE WEEK

Listing is an editorial service for readers' information. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25c handling charge 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.

**LASERS AND LIGHT:** Readings from SCIENTIFIC AMERICAN—Introductions by Arthur L. Schawlow—Freeman, 1969, 376 p., photographs, diagrams, \$10; paper, \$5.95. Collection of articles deal with the wave properties of light, the forming and detecting of images, chemical and biological effects of light, processes of vision, X-ray to radio waves, lasers, and properties and applications of lasers.

**MARINE ALGAE** of the Monterey Peninsula, California—Gilbert M. Smith—Stanford Univ. Press, 1969, 2nd ed., 752 p., 98 plates, \$15. Incorporates 1966 Supplement by George J. Hollenberg and Isabella A. Abbott and includes new consolidated keys to genera and new index.

**NEBRASKA SYMPOSIUM ON MOTIVATION 1968**—William J. Arnold, Ed.—Univ. of Neb. Press, 1969, 337 p., \$6.95; paper, \$3.25. Among topics discussed are the physiological basis of motivational processes, genetics and motivation of the mouse, achievement motive research, and aversive control of socialization.

**THE NEW FOREST:** An Ecological History—Colin R. Tubbs—David & Charles (Transatlantic Arts), 1969, 248 p., photographs, maps, \$12. Detailed study of the enclosed woodlands and heathlands in the Lowland zone of Britain, with full background of ecological features—geomorphological, historical, economic, administrative and faunic changes.

**THE OLD PERSON IN YOUR HOME**—William D. Poe, M.D.—Scribner, 1969, 180 p., \$5.95. Sympathetic and factual guidelines answering the many questions that arise in day-to-day care and living with elderly people.

**PHASE DIAGRAMS FOR CERAMISTS,** 1969 Supplement—Ernest M. Levin, Carl R. Robbins and Howard F. McMurdie; Margie K. Reser, Ed.—Am. Ceramic Soc., 1969, 625 p., diagrams, \$30. Compiled at the National Bureau of Standards, this latest volume contains 2083 phase diagrams of oxide, salt and sulfid systems, 70% of which have been published since 1960.

**PRACTICAL STATISTICS FOR CHEMICAL RESEARCH**—John D. Hinchin—Methuen (Barnes & Noble), 1969, 116 p., diagrams, \$5.75; paper, \$3. Intended as a practical aid to chemist and engineer in the industrial laboratory.

**RESEARCH IN THE EXPERIMENTAL AND CLINICAL ASPECTS OF BRAIN TUMORS**—Labe C. Scheinberg, Ed.—N.Y. Acad. of Sciences, Annals, Vol. 159, Art. 2, 1969, 285 p., illus., paper, \$17. Among topics covered are neurogenic tumors chemically induced, heterologous transplantation, circulatory factors, and radiation therapy in children.

**SCIENTIFIC STUDY OF UNIDENTIFIED FLYING OBJECTS** Conducted by the University of Colorado under Contract to the United States Air Force, Final Report—Edward U. Condon, Dir., Daniel S. Gilmor, Ed.; introd. by Walter Sullivan—Dutton, 1959, 967 p., photographs, diagrams, \$12.95. The full and final report, gives case studies of 59 reports in detail.

**STRATEGEMS AND SPOILS:** A Social Anthropology of Politics—F. G. Bailey—Schocken Bks., 1969, 240 p., \$6.50. Concerned with political competition, the nature of man in search of power and the effect of the power-struggle on life in society.

**THEY LIVE BY THE WIND:** The Lore and Romance of the Last Sailing Workboats—Wendell P. Bradley, introd. by Howard I. Chapelle—Knopf, 1969, 267 p., photographs, \$7.95. Deals with the square-rigged training ships, the Grand Banks schooners, the Chesapeake oysterboats and the fishing sloops of the Bahamas.

**TO THE MOON:** A Time-Life Records Presentation, Section 1: The Story in Sound, Recordings produced by Michael Kapp. Section 2: The Story in Pictures and Text—Editors of Time-Life Records—Time-Life Records (Little, Brown), six 12-inch stereo records, 192-page book, photographs in color, boxed, \$24.95. The dramatic story of man's space venture in the voices of those who achieved it, covers Mercury, Gemini and Apollo activities, with book visually documenting people and historic events.

**THE UNITED NATIONS ECONOMIC AND SOCIAL COUNCIL**—Walter R. Sharp—Columbia

Univ. Press, 1969, 322 p., \$8.75. A systematic examination of ECOSOC since its charter in 1946, traces the evolution of the Council and considers its future in the light of the admission since 1960 of many Asian and African states inclined to view the Council as unrepresentative and outmoded.

**UNITED STATES GOVERNMENT ORGANIZATION MANUAL, 1969-70**—Office of the Federal Register—GPO, 1969, 805 p., paper, \$3. Up-to-date list of officials and description of agencies of the legislative, judicial and executive branches of the U.S. government, including organization charts and name index.

**UPDATING LIFE AND DEATH:** Essays in Ethics and Medicine—Donald R. Cutler, Ed.—Beacon Press, 1969, 286 p., paper, \$2.95. Thoughtful commentaries and probings of concepts and implications in relation to contemporary medicine.

**URBAN PLANNING ASPECTS OF WATER POLLUTION CONTROL**—Sigurd Grava—Columbia Univ. Press, 223 p., diagrams, \$7.50. Study analyzes the problem of waste disposal as it affects the policy choices available to the urban planner, treating basic engineering difficulties as an adjunct to planning issues.

**VITAMINS IN THE ELDERLY:** Report of the Proceedings of Symposium held at Royal College of Physicians, London, 1968—A. N. Exton-Smith and D. L. Scott, Eds.—Wright & Sons (Williams & Wilkins), 1968, 103 p., photographs, diagrams, paper, \$6.50. Studies of subclinical malnutrition and clinical surveys of elderly people with signs of vitamin deficiency.

**YIWARA:** Foragers of the Australian Desert—Richard A. Gould—Scribner, 1969, 239 p., photographs by author, drawings by Nicholas Amorosi, \$8.95. Presents an intimate record of a vanishing people, describing the daily life, rituals and sacred places of the aborigines in the Gibson Desert. Includes notes, glossary and annotated bibliography.

## TEXTBOOKS

**BIOELECTRIC PHENOMENA**—Robert Plonsey, introd. by David G. Fleming—McGraw-Hill, 1969, 380 p., diagrams, \$17.50. Graduate course text designed to acquaint physical science and engineering students with the electrical behavior of nerve and muscle, covering membrane phenomena, the propagated action potential, the volume conductor and electrocardiography.

**CONCEPTUAL PHYSICS: Matter in Motion**—Jac R. Ballif and William E. Dibble—Wiley, 1969, 637 p., illus., \$9.95. Designed for a one-semester course, the book explains the fundamental principles of physics in a way that non-scientists will find comprehensible and interesting.

**DYNAMIC PROGRAMMING**—D. J. White—Holden-Day, 1969, 181 p., \$10.50. Intended for advanced undergraduate and graduate students in mathematical economics, econometrics, operations research, systems engineering and statistics.

**EARTH MATERIALS**—W. G. Ernst—Prentice-Hall, 1969, 150 p., illus., \$5.95; paper, \$2.50. Short text departs from others dealing with the same subject by providing a lengthier and more quantitative approach to the study of minerals and rocks, topics of mineralogy are developed based on the fundamentals of atomic and crystal structure.

**INTRODUCTION TO ORGANIC AND BIOLOGICAL CHEMISTRY**—John R. Holum—Wiley, 1969, 610 p., diagrams, \$9.95. Selected material for this one-term course is oriented toward the life sciences, the molecular basis of life.

**INTRODUCTION TO QUEUEING THEORY**—B. V. Gnedenko and I. N. Kovalenko, transl. from Russian by R. Kondor—IPST (Davey, Daniel), 1969, 281 p., \$10. Deals with problems of the theory of queueing processes under the simplest assumptions, with the concept of the incoming stream, some types of stochastic processes and applications of renewal processes.

**AN INTRODUCTION TO THE PRACTICAL STUDY OF CRYSTALS, MINERALS AND ROCKS**—K. G. Cox, N. B. Price and B. Harte—McGraw-Hill, 1969, 233 p., illus., \$8.75. Published in England in 1967, this textbook is designed for introductory courses in crystallography, mineralogy and petrology.

**PRINCIPLES OF RADIOLOGICAL HEALTH**—Earnest F. Gloyna and Joe O. Ledbetter—Dekker, 1969, 473 p., \$14.50. Text for a first-year graduate course, presents the problems-and-applications approach toward radiation safety.

**QUANTITATIVE PROBLEMS IN THE BIO-CHEMICAL SCIENCES**—Rex Montgomery and Charles A. Swenson—Freeman, 1969, 308 p., diagrams, paper, \$2.95. Directed toward the beginning student in biochemistry, includes many practice problems in reducing experimental situations to mathematical terms.



Close your eyes (add a dash of imagination) and you'll find yourself transported back to Merry Olde England, because every hour on the hour BIG BEN gives out with a glorious rendition of the Westminster Chimes. This attractive wall clock measures 14½x10 inches, is faced in simulated walnut and is powered by just two regular flashlight batteries, which will make it run and chime for just about 18 months. Grace your home or office with this splendid timepiece—handsome, punctual, and so very melodious.

Yes, send me the BIG BEN Chime Clock. My check in the amount of \$40.95 (\$39.95 plus \$1 for post and insur.) is enclosed. Calif. res. add 5% tax. Refund in 2 wks. if not delighted.

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**haverhills** 584 Washington St.,  
San Francisco, CA 94111

Circle No. 129 on Readers' Service Card



Every company, large & small, needs a Systems Man. As a Systems Man, you'll work with management... help them make vital decisions... make a prestige salary... and enjoy your work, too! You'll supervise CHARTING, PROCEDURE PLANNING, FORMS DESIGN, OFFICE LAYOUT, COMPUTER PROGRAMMING, DATA PROCESSING, etc. Big demand—see high salary positions in "help wanted" sections of your newspaper. You need no previous experience or special training... easy home-study plan guides you toward success, prestige, good salary in exciting, respected field. High school education required. Send for Free Booklet, "OPPORTUNITIES IN SYSTEMS."

**NORTH AMERICAN INSTITUTE OF SYSTEMS & PROCEDURES**  
4401 BIRCH ST., DEPT. 3799, NEWPORT, CALIF. 92660

## PAPER FOLDING MADE EASY!

Create scores of beautiful, unusual, amusing paper objects—toys, decorations, etc., with clearest introduction to Japanese art of origami. "Paper Folding for Beginners." Rigney. 95pp. \$1.00 + 10c postage. Money-back guarantee. Dept. SNL, Dover, 180 Varick St., N.Y., N.Y. 10014.

## BOOK ORDER SERVICE

For the convenient purchase of any U.S. book in print you may avail yourself of Science News Book Order Service, 1719 N St., N.W., Washington, D.C. 20036. We pay postage. 25¢ handling charge if price is less than \$2.00. Regular retail prices on all books.