

Books of the Week

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BARGAINING FOR HEALTH: Labor Unions, Health Insurance and Medical Care—Raymond Muntz—Univ. of Wis. Press, 320 p., \$7.50. Traces the history of the efforts and campaigns of unions to provide better health care for their members, and analyzes their contributions to evolving medical economics.

CHROMATOGRAPHY—Erich Heftmann—Reinhold, 2nd ed., 851 p. illus., \$27.50. Completely revised and updated handbook covers the subject from the point of view of theory, techniques and applications to organic and inorganic substances.

COMMUNICATION SYSTEM ENGINEERING HANDBOOK—Donald H. Hamsher, Ed.-in-Chief—McGraw-Hill, 950 p., diagrams, \$28.50. Digests of expert information covering the field from the preliminary analysis of system requirements to the installation of wires and cables.

THE DOLPHIN SMILE: Twenty-Nine Centuries of Dolphin Lore—Elinore Devine and Martha Clark, Eds.—Macmillan, 370 p., plates, \$7.95. An anthology of writings about the dolphin, from ancient hymns to recent scientific studies.

EINSTEIN'S UNIFIED FIELD THEORY—M. A. Tonnelat, preface by Andre Lichnerowicz; transl. from French—Gordon & Breach, 186 p., \$10. Assembles the principles and some of the developments of the enigmatic Einstein-Schrodinger theory, with notations used by various authors.

ESTUARIES—George H. Lauff, Ed.—AAAS, 757 p., illus., maps, \$27. Summarizes the present knowledge of estuarine environments, gives detailed information on estuarine circulation patterns, rates of exchange of materials with coastal and marine waters, and the ecology of estuarine organisms.

GAS LASERS—C. G. B. Garrett—McGraw, 144 p., diagrams, \$10.95. Authoritative treatment of the development of the gas laser, emphasizes their behavior in such a way that the theory can be applied to understanding other types of lasers.

THE GENETIC CODE: Symposia on Quantitative Biology, Vol. XXXI—F.H.C. Crick and others—Cold Spring Harbor Lab. of Quantitative Biology, 762 p., illus., \$12.50. Draws together the scientific effort that has gone into the decipherment of DNA and the variety of approaches that have together led to the solution of the genetic code.

THE ILLUSTRATED FLORA OF ILLINOIS: Ferns—Robert H. Mohlenbrock—Southern Ill. Univ. Press, 191 p., line drawings, maps, \$8. A complete and detailed guide to 81 species and six lesser taxa, for professional and nonprofessional botanists.

THE LANGUAGE OF NATURE: An Essay in the Philosophy of Science—David Hawkins—Doubleday, 461 p., illus., paper, \$1.95. Originally published in 1964, the book analyzes such classic concepts as number, motion, measurement, chance and order, and relates them to the philosophical, unifying ideas.

THE LIVING STREAM: Evolution and Man—Sir Alister Hardy—Harper, 292 p., illus., \$6.95. Explains in layman's language the biochemistry of evolution, the structure and significance of the amino acids and the DNA molecule, chromosomes, genes and the mathematics and mechanics of heredity, including the influence of behavior.

MATHEMATICS IN MANAGEMENT—Albert Battersby—Penguin Bks., 256 p., diagrams, paper, \$1.75. Provides basic knowledge about the methods of operational research, such as network analysis, graphs and gradients, blending and boundaries, and simulation.

MONUMENTAL WASHINGTON: The Planning and Development of the Capital Center—John W. Reys—Princeton Univ. Press, 221 p., illus., \$12.50. A survey of the planning history of Washington, from L'Enfant's plan to the current Pennsylvania Avenue redevelopment plan, discussing in particular the Senate Park Commission plan of 1902 and the fate of its proposals.

THE NATURE OF HUMAN NATURE—Alex Comfort—Harper, 222 p., graphs, \$5. The author, both a literary man and a biologist, views modern man as a creature programmed by his aboriginal consciousness.

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OKLAHOMA BIRDS: Their Ecology and Distribution, with Comments on the Avifauna of the Southern Great Plains—George Miksch Sutton—Univ. of Okla. Press, 674 p., illus. by author, \$9.95. Presents all that is presently known about the ecology and distribution of 400 avian species in the state.

1001 QUESTIONS ANSWERED ABOUT WATER RESOURCES—Floyd F. Cunningham—Dodd, 258 p., photographs, \$6.50. A timely information source on the nature and properties of water, its quality and quantity, floods and flood control, and water as a resource in the service of man.

ORDER AND CHAOS: Laws of Energy and Entropy—Stanley W. Angrist and Loren G. Hepler—Basic Bks., 237 p., illus., \$5.95. Presents the essence of the laws of thermodynamics and their applications in language the intelligent layman can understand.

THE OUTER LANDS: A Natural History Guide to Cape Cod, Martha's Vineyard, Nantucket, Block Island and Long Island—Dorothy Sterling—Natural Hist. Press, 189 p., illus. by Winifred Lubell, \$4.50. On the natural history of a landscape favored by vacationers.

THE PHYSICIAN—Russel V. Lee, Sarel Eimerl and the Editors of LIFE—Time-Life Bks., 200 p., illus., \$3.95 direct to publisher, Time & Life Bldg., Chicago, Ill. 60611. Traces the development of the modern physician from primitive medicine man to the highly trained specialist in today's urban hospital.

THE PLAINS OF CAMDEBOO—Eve Palmer—Viking Press, 320 p., illus. by John Pimlott, maps, \$6. The story of a ranch-size farm in the Great Karoo desert near the southern tip of Africa, a region that includes Bushmen, fossil finds, ancient cave paintings and little known species of veld wildlife.

PRESENT-DAY RUSSIAN PSYCHOLOGY: A Symposium by Seven Authors—Neil O'Connor, Ed.—Pergamon, 201 p., paper, \$4.95. A critical survey and discussion of the Russian psychological literature written by bilingual psychologists.

PROCEEDINGS OF THE XIIIth INTERNATIONAL CONFERENCE ON HIGH-ENERGY PHYSICS—Edwin M. McMillan and Leroy T. Kerth, Chmn.—Univ. of Calif. Press, 334 p., diagrams, \$12.50. Papers and discussions range from current topics in particle physics to hadron collisions at very high energies.

THE PSYCHOLOGY OF COMMUNICATION: Seven Essays—George A. Miller—Basic Bks., 197 p., \$4.95. Topics range from cybernetics and automation to psychical research and the supernatural, all concerned with the concept of man as an information-gathering, information-processing system.

PUBLIC IMAGE OF MENTAL HEALTH SERVICES—Jack Elinson, Elena Padilla and Marvin E. Perkins—Mental Health Materials Center, N.Y., 288 p., map, \$7. Comprehensive public opinion study exploring public knowledge of mental health care, appraisals of facilities and attitudes toward the mentally ill.

RED GIANTS AND WHITE DWARFS: The Evolution of Stars, Planets and Life—Robert Jastrow—Harper, 176 p., photographs, \$5.95. Copiously illustrated story of life's origin back through the creation of stellar matter, the solar system, planets, earth and the molecular building blocks of life.

SPACE SCIENCE: A New Look at the Universe—Heinz Haber—Golden Press, 154 p., photographs, diagrams, \$3.95. Using the latest findings of space research, the author reappraises in layman's language man's knowledge of his universe.

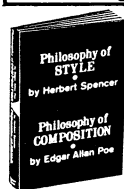
STARLIGHT: What It Tells About the Stars—Thornton Page & Lou Williams Page, Eds.—Macmillan, 337 p., illus., \$7.95. Articles adapted from SKY & TELESCOPE, about the sun, stellar spectra, novae, double stars, clusters and the galaxy.

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Films of The Week

Listing for readers' information of new 16mm and 8mm films on science, engineering, medicine and agriculture for professional, student and general audiences. For further information on purchase, rental or free loan, write to distributor.

ANCYLOSTOMA: LIFE HISTORY OF HOOKWORMS. 16mm, color, sound, 25 min. Discusses the world-wide distribution of hookworms and the extent of human infection, and provides detailed study of the hookworm's physiology and life cycle, concluding with cultures and techniques being used to search for a possible medicinal control. Audience: high school biology. Purchase \$300 or rental information from McGraw-Hill Films, Dept WP, 330 West 42nd St., New York, N.Y. 10036.

LSD: INSIGHT OR INSANITY? 16mm, color, sound, 18 min. The alarming increase in admissions of young people to psychiatric wards of hospitals because of the use of LSD is becoming a matter of urgent concern. Film indicates the risk involved of permanent brain damage from LSD, and that the drug in fact does nothing for creativity. Audience: high school, college students, parents, school officials, law enforcement agencies. Purchase \$200 or rental \$15 from Bailey Films, 6509 De Longpre Ave., Hollywood, Calif. 90028.

H. G. WELLS, MAN OF SCIENCE. 16mm, b&w, sound, 30 min. Biography of H. G. Wells, with an emphasis on his scientific training. Portrays highlights of his life with still photographs, enactment, film clips, and interviews with his two sons and Lord Ritchie Calder, friend and colleague. Audience: general. Purchase \$125 or rental \$5.40 from NET Film Service, Indiana University, Audio-Visual Center, Bloomington, Ind. 47401. (Produced by British Broadcasting System).

THE TOTALLY IMPLANTABLE MECHANICAL HEART—AN APPRAISAL OF FEASIBILITY—TFR-1282. 16mm, b&w, sound, TV film recording, 41 min. Philosophy of mechanical heart implantation, and historical groundwork in diverse disciplines that makes the implantable mechanical heart feasible. Developmental approach and demonstration of contemporary models. Audience: physicians interested in cardio-vascular research. Free loan from Public Health Service Audiovisual Facility, Atlanta, Ga. 30333.

SAN FRANCISCO BAY. 16mm, color, sound, 28 min. Story of the San Francisco Bay, how people are using it for pleasure and for profit, and how they are destroying it. Purchase or loan information from Save the San Francisco Bay Association, P. O. Box 925, Berkeley, Calif. 94701.

Handbook of Knots & Splices

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