

books OF THE WEEK

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PRIMATE SOCIETIES: Group Techniques of Ecological Adaptation—Hans Kummer—Aldine/Atherton, 1971, 160 p., photographs, map, \$7.50. Zoologist presents a careful analysis of primate social life, showing how the genetically programmed behavior of baboons and other monkeys is modified in order to meet the needs of their physical and their social environment.

PROGRESS IN BIOORGANIC CHEMISTRY, Vol. 1—E. T. Kaiser and F. J. Kézdy, Eds.—Wiley-Interscience, 369 p., diagrams, \$14.95. Reviews advances in the new discipline emerging from the interaction of biochemistry and physical organic chemistry, deals with intramolecular catalysis, the proton in biological redox reactions, and metal ions in enzymatic catalysis.

THE PSYCHOANALYTIC INTERPRETATION OF HISTORY—Benjamin B. Wolman, Ed.; foreword by William L. Langer—Basic Bks., 1971, 240 p., \$8.95. Brings together seven psychoanalytic studies offering a historical perspective and biographical studies of leaders of movements.

RAPID POPULATION GROWTH: Consequences and Policy Implications—Study Committee of the Office of the Foreign Secretary, National Academy of Sciences; Roger Revelle, Chmn.—Johns Hopkins Press, 1971, 696 p., tables, \$20. Summary and recommendations (without research papers), 99 p., paper, \$2.45. Examines the population problem as it affects the world now, and for the next 5 to 30 years.

READINGS IN MARINE ECOLOGY—James W. Nybakken, Ed.—Harper, 1971, 544 p., illus., paper, \$9. Collection of papers intended to supplement advanced course material in the areas concerned with plankton and benthic ecology, deep-sea, intertidal and tropical ecology, and general concepts in marine ecology.

WILDLIFE AND PLANTS OF THE CASCADES: Covering Most of the Common Wildlife of the Pacific Northwest and the Area of the Lava Beds—Charles Yocom and Vinson Brown—Naturegraph, 1971, 293 p., photographs, drawings, \$5.95; paper, \$3.95. Covers the region's complex ecological structure and describes some 600 species of animals and plants. Indexed for both common and generic names.

WORLD VEGETATION TYPES—S. R. Eyre, Ed.—Columbia Univ. Press, 1971, 264 p., plates, diagrams, maps, \$12.50. Concerned with the nature and distribution of plant communities, this anthology comprises 21 authoritative examples of studies dealing with mid-latitude grasslands, rain forests, coniferous forests, Mediterranean thickets and woods, deserts and polar lands.

TEXTBOOKS

ATOMS AND INFORMATION THEORY: An Introduction to Statistical Mechanics—Ralph Baierlein—Freeman, 1971, 486 p., diagrams, \$15. Written for one-semester course in equilibrium statistical mechanics for advanced undergraduates and first-year graduate students. Treatment reflects recent trends in thinking on the subject.

ATOMS, MOLECULES AND CHEMICAL CHANGE—Russell H. Johnson and Ernest Brunwald—Prentice-Hall, 1971, 3rd ed., 368

p., illus., \$10.95. A textbook of chemistry for general education, traces the gradual development of modern ideas concerning atomic and molecular structure, and ends with modern theories of the nucleus.

BIOLOGICAL CHEMISTRY—Henry R. Mahler and Eugene H. Cordes—Harper, 1971, 2nd ed., 1009 p., photographs, diagrams, \$19. Text provides a thorough treatment of the areas of knowledge fundamental to biochemistry. All topics dealing with the structure, metabolism and function of macromolecules of biological importance have been rewritten in expanded form.

COMPUTER ORGANIZATION AND THE SYSTEM/370—Harry Katzan, Jr.—Van Nostrand Reinhold, 1971, 308 p., diagrams, \$12. Comprehensive treatment of IBM's recently announced System/370 family of compatible computers, intended as a general reference as well as textbook, available with teacher's manual.

CONTRACTS, SPECIFICATIONS AND LAW FOR ENGINEERS—Clarence W. Dunham and Robert D. Young—McGraw-Hill, 1971, 2nd ed., 532 p., \$15. Written for practicing engineers and architects as well as for students of engineering and architecture.

CRYSTALS, INSECTS AND UNKNOWN OBJECTS: A Creative Approach to the Teaching of Science to Intermediate School Children—John McGavack, Jr. and Donald P. LaSalle—Day, 1971, 272 p., photographs, diagrams, \$10. Presents practical working schemes for student participation in experimentation with simple materials.

EDUCATION AND MENTAL HEALTH—Louis Kaplan—Harper, 1971, 522 p., illus., \$9.95. Text for course in mental hygiene deals with adjustment problems in school and society, foundations of mental health, dynamics of growth and adjustment, and interpersonal relations in the classroom.

ELEMENTS OF METEOROLOGY—Richard W. Longley—Wiley, 1970, 317 p., photographs, diagrams, \$10.95. Text for undergraduate courses on weather and climate, designed to develop understanding of the upper-air diagram and the weather maps, and how their use can explain weather phenomena.

ELEMENTS OF WATER SUPPLY AND WASTEWATER DISPOSAL—Gordon Maskew Fair, John Charles Geyer and Daniel Alexander Okun—Wiley, 1971, 2nd ed., 752 p., illus., \$15.95. Undergraduate textbook, emphasizes the scientific basis for water engineering and treats water-quality management as a unified undertaking.

MODERN THEORY OF POLYMER SOLUTIONS—Hiromi Yamakawa—Harper, 1971, 419 p., diagrams, \$19.95. A text for research workers and advanced students, gives systematic description of the advances during last two decades in the distribution/function theory of random-flight models for dilute polymer solutions.

PHYSICAL BIOCHEMISTRY—Kensal Edward van Holde—Prentice-Hall, 1971, 246 p., illus., \$9.75; paper, \$4. Provides the fundamental concepts of physical chemistry, and reviews thermodynamics, solutions of macromolecules, equilibria, transport processes, sedimentation, viscosity, scattering and X-ray diffraction.

SOCIETIES IN CHANGE: An Introduction to Comparative Sociology—Brigitte Berger—Basic Bks., 1971, 302 p., \$7.95. Intended as a textbook in comparative sociology, compares societies in terms of overall processes of change in the modern world, and places the comparative analyses in the historical context.

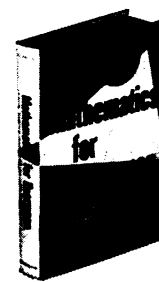
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URBAN ECOLOGY: GARBAGE DISPOSAL. 16mm, color, sound, 7 min. Everything found in a community dump was once something people wanted or used. Our desire for more and newer things results in the accumulation of too much trash. This trash forms unsightly blemishes on the landscape. We bury it, reclaim some of it, burn it. But we must constantly look for ways to reduce the total amount of trash. Audience: elementary, junior high. Purchase \$110 or rental \$8 from BFA Educational Media, Dept. SN, 2211 Michigan Ave., Santa Monica, Calif. 90404.

PERCEPTION AND IMAGINATION. 16mm, color, English language sound, 30 min. Following a historical and literary introduction, animated drawings analyze the complex mechanisms of the physiology of visual perception. The real and the imaginary are then compared experimentally by means of projection tests, sensory isolation, hallucinatory drugs, and stimulation by intermittent light. Audience: high school, college, adult. Rental service fee \$6 from Society for French American Cultural Services and Educational Aid, Dept. SN, 972 Fifth Ave., New York, N.Y. 10021.

AGRICULTURAL WASTE MANAGEMENT. 16mm, color, sound, 18 min. Farmers feel a responsibility to their neighbors and to themselves to minimize air and water pollution. Here are shown some of the newer techniques resulting from research by state and government agencies. Audience: general. Purchase \$135 or rental \$2.50 from Film Center, Dept. SN, Cornell University, Ithaca, N.Y. 14850.

Listing is 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.



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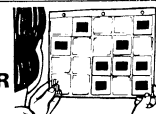
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