

# New Books

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**ALIVE:** The Story of the Andes Survivors—Piers Paul Read—Lippincott, 1974, 352 p., 42 photographs, maps, \$10. The extraordinary story of a group of young sportsmen whose wrecked plane had stranded them for 70 days in sub-zero weather high in the Andes.

**AQUEOUS DIELECTRICS**—J. B. Hasted—Chapman & Hall (Halsted Pr), 1974, 315 p., diagrams, tables, \$18.50. Covers the entire spectrum of dielectric polarization of liquid water, ice, electrolytes, aqueous mixtures, water in biological systems, absorbed and "bound" water, as well as applications to earth sciences.

**AVIATION AND SPACE DICTIONARY**—Ernest J. Gentle and Lawrence W. Reithmaier, Eds.—Aero, 1974, 5th ed., 272 p., photographs, drawings, tables, \$14.95. Contains some 6,000 technically accurate definitions worded in terms the layman can understand, from "abeam" to "zulu time."

**BIOLOGICAL CLOCKS IN MARINE ORGANISMS:** The Control of Physiological and Behavioral Tidal Rhythms—John D. Palmer—Wiley, 1974, 184 p., illus., \$12.95. A compilation of the best literature on the subject of tidal rhythms controlling activity, vertical migration, color-change, oxygen consumption and other bio-clock phenomena.

**BLOOD OF MY BLOOD:** The Dilemma of the Italian-Americans—Richard Gambino—Doubleday, 1974, 350 p., \$7.95. Examines in depth the value system of Italian-Americans, the traditional concepts of ethnic customs and close family ties, clashing and surviving in contact with the surrounding myths and values of other ethnic groups.

**THE INCREDIBLE EGG:** A Billion Year Journey—Dal Stivens—Weybright, 1974, 382 p., illus. by Bob Hines, \$9.95. A tale of species adaptation and survival, describes the range of patterns of behavior that have brought surviving species of fish, reptiles and birds alive and well through the millenia.

**AN INTRODUCTION TO ANIMAL BEHAVIOR:** Ethology's First Century—Peter H. Klopfer—P-H, 1974, 2nd ed., 332 p., drawings, tables, \$10.50. Takes into account the latest advances in factual knowledge and the changes in theoretical outlook, attempting a synthesis of presently held explanations of behavior from the viewpoint of biology.

**THE LIQUID METAL FAST BREEDER REACTOR:** An Environmental and Economic Critique—Thomas B. Cochran—Resources for the Future (Johns Hopkins), 1974, 285 p., diagrams, maps, tables, paper, \$6.95. Monograph takes a critical look at the arguments made in favor of early introduction of LMFBR as a central component of the U.S. electrical energy system.

**THE LIVES OF A CELL:** Notes of a Biology Watcher—Lewis Thomas—Viking Pr, 1974, 154 p., \$6.95. Collection of essays, scientific insights and speculations, reflections and observations, written with style.

**MASKS OF LONELINESS:** Alfred Adler in Perspective—Manès Sperber, transl. from German by Krishna Winston—Macmillan, 1974, 257 p., \$7.95. One of Adler's students reex-

amines the origins of the Viennese school of interpretive psychology concluding that, while it was a response to the needs of the 19th century, it is less suitable for resolving today's problems.

**MODEL SAIL AND POWER BOATING BY REMOTE CONTROL**—George Siposs—TAB Bks, 1974, 192 p., photographs, diagrams, \$7.95; paper, \$4.95. For the hobbyist, covers variety of boat modeling—sail and powered, electric and internal-combustion engines.

**MUSEUMS OF ENGLAND**—Garry Hogg—Arco, 1973, 112 p., 98 photographs, map, \$8.95. Describes the highlights of 50 specialized local museums scattered throughout England, from the 200-acre modern North of England Open Air Museum to the Royal Naval Museum in Portsmouth.

**NATURALIST IN THE SUDAN**—Charles Sweeney—Taplinger, 1974, 240 p., photographs, drawings, maps, \$8.50. Research entomologist describes his safari into the sparsely inhabited open-bush and mountainous region west of the Nile, his close observations of the local wildlife.

**NATURALISTS' GUIDE TO FRESH-WATER AQUARIUM FISH**—J. J. Hoedeman—Sterling, 1974, 1152 p., color plates, photographs by A. van den Nieuwenhuizen, drawings, maps, \$30. Up-to-date encyclopedic work, discusses fossils, evolution, distribution and anatomy of fish, ichthyological research, aquarium care, and presents systematic catalog of families, subfamilies and species.

**NICOLAUS COPERNICUS and His Epoch**—Jan Adamczewski with Edward J. Piszczek—Copernicus Soc. of Am. (Scribner), 1974, 164 p., color plates, photographs, \$7.95. A biography of the astronomer, researched and handsomely illustrated from sources in Poland.

**OWLS**—Tony Angell—U of Wash Pr, 1974, 9 x 11, 80 p., 63 drawings by author, \$12.95. Portrays 18 species of owls, with descriptions of their behavior and natural habitats in the United States.

**RECYCLING AND DISPOSAL OF SOLID WASTES:** Industrial, Agricultural, Domestic—T. F. Yen, Ed.—Ann Arbor Science, 1974, 372 p., diagrams, tables, \$20. Sourcebook covers such topics as biodegradation, clean liquid and gaseous fuels from organic solid wastes, polymer-gas reactions, recycling of waste plastics, glass and metals, and single-cell protein production from cellulose wastes.

**THE RIDDLE OF THE PYRAMIDS**—Kurt Mendelssohn—Praeger, 1974, 224 p., color plates, 70 photographs, drawings, \$12.95. Scientist's inquiry leads him to the conclusion that the primary purpose for the gigantic labor that went into the building of the royal tombs was to serve as a means to transform the rural village economy into a new form of community, the state.

**SEA FISHERIES RESEARCH**—F. R. Harden Jones, Ed.—Halsted Pr, 1974, 527 p., illus., maps, tables, \$32.50. Summarizes recent developments within the field, from basic biological problems such as the estimation of the age of fish by studies of otoliths, and factors affecting the movement of fish, to technological problems of research vessel design.

**SHOULD TREES HAVE STANDING?** Toward Legal Rights for Natural Objects—Christopher D. Stone, foreword by Garrett Hardin—W. Kaufmann, 1974, 120 p., \$6.95; paper, \$2.95. A carefully reasoned legal-philosophical essay proposing that natural objects such as trees, mountains, rivers and lakes—like corporations—have legal rights.

**THE SINGING LAND:** 22 Natural Environments of Australia, from Surging Ocean to Arid Desert—Vincent Serventy—Scribner, 1974, 95 p., 48 color plates, \$6.95. Describes the major habitats of the continent, their characteristic flora and fauna.

**SOUND UNDERWATER**—Gregory Haines—Crane-Russak Co, 1974, 208 p., plates, diagrams, \$8.25. Describes in nontechnical terms the early history, development, and present-day uses of underwater acoustics technology, as in antisubmarine warfare, navigation, fish detection, surveying and communication.

**TALKING TO ANIMALS**—Barbara Woodhouse—Stein & Day, 1974, 208 p., photographs, \$6.95. Autobiography of a dog and horse trainer who developed unusual rapport with animals.

**TRACE ELEMENTS:** How They Help and Harm Us—Joan Arehart-Treichel—Holiday, 1974, 164 p., photographs, diagrams, glossary, \$4.95. A trace element trip through history, especially for 10 to 14-year olds, from the origin of elements in the universe, their industrial uses, to their toxic effects as pollutants, and good aspects, as nutrients and diagnostic aids.

**WATER: A Primer**—Luna B. Leopold—W H Freeman, 1974, 188 p., photographs, diagrams, \$4.95; paper, \$2.95. Short book designed to cover the general principles of hydrology, surface and groundwater, drainage, flood plain, river load, and the amount of water available and its present use.

**WILDERNESS SURVIVAL: A Complete Handbook and Guide for Survival in the North American Wilds**—Berndt Berglund—Scribner, 1974, 175 p., illus. by E. B. Sanders, paper, \$2.95. Reprint (1973).

**THE WORLD'S CATS, Vol II: Biology, Behavior and Management of Reproduction**—Randall L. Eaton, Ed.—Feline Research Group, Woodland Park Zoo, 1974, 260 p., illus., tables, paper, \$12.50 direct to publisher, 5500 Phinney N., Seattle, WA 98103. Proceedings of 1973 International Symposium, World Wildlife Safari, held at Winston, Ore.

## TEXTBOOKS

**ANTHROPOLOGISTS IN CITIES**—George M. Foster and Robert V. Kemper, Eds.—Little, 1974, 265 p., paper, \$6.95. Presents students with first-hand accounts of actual urban field work among diverse cultural groups, from Dominican Republic to Taiwan, using a common structural framework.

**BIOLOGY OF MICROORGANISMS**—Thomas D. Brock—P-H, 1974, 2nd ed., 852 p., photographs, diagrams, \$15.95. A text firmly rooted in principles, places emphasis throughout on the microbe itself—its functional, ecological, and evolutionary relationships—and how these apply to practical problems of interest to man.

**CHEMISTRY AND MAN'S ENVIRONMENT**—Edward C. Fuller—HM, 1974, 502 p., illus., \$11.95. Text stresses those basic chemical concepts the nonscientist citizen needs to know to act more intelligently when faced with issues of energy, production, the proper use of natural resources, and waste disposal.

**HUMAN REPRODUCTION: Biology and Social Change**—Harold D. Swanson—Oxford U Pr, 1974, 396 p., illus., \$10; paper, \$4.95. Looks at human reproduction from the point of view of the biologist, viewing human problems and concerns in light of man's evolutionary origin and his kinship with all living things.