

Books of the Week

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AN AFRICAN ZOO IN THE FAMILY: The Story of a Game Ranger's Wife and Her Wild Orphan Pets—Joan Winifred Taylor—Emerson Bks., 192 p., 28 photographs, \$4.95. A close-up of wildlife orphans, ranging from antbear to zebra and brought up with the game warden's children.

AGAR GEL ELECTROPHORESIS—R. J. Wieme—Am. Elsevier Pub. Co., 425 p., illus., \$20. Reference work including detailed information on application procedures.

ANIMALS AND THEIR WAYS: The Science of Animal Behavior—J. D. Carthy—Natural Hist. Press, 156 p., photographs, diagrams, illus., \$4.95. Well illustrated articles on experimental findings of research with mammals, insects and birds.

THE ARCHAEOLOGY OF WORLD RELIGIONS. I: Primitivism, Zoroastrianism, Hinduism, Jainism. II: Buddhism, Confucianism, Taoism, III: Shinto, Islam, Sikhism—Jack Finegan—Princeton Univ. Press, 599 p., 260 plates, maps, paper, boxed, \$7.95. An overview of the Eastern religions as expressed in their own documents and works of art.

HOPE FOR OUR TIME: Alexis Carrel on Man and Society—Joseph T. Durkin, S.J.—Harper, 199 p., portrait, \$4.95. Fully annotated comments and excerpts from the Nobel Prize-winning physiologist and philosopher's unpublished writings concerned with man's condition and potentialities.

HOURS OF WORK—Clyde E. Dankert, Floyd C. Mann and Herbert R. Northrup, Eds.—Harper, 208 p., \$3.50. Industrial relations research on the technological basis for and factors affecting the length of the work week.

THE IMAGES OF SPACE—Harold Leland Goodwin—Holt, 189 p., \$2.95; paper, \$1.60. Deals with the implications of the space race, relating space exploration successes and failures to the struggle between the ideologies.

INTERPRETATION OF ORGANIC SPECTRA—D. W. Mathieson—Academic Press, 179 p., diagrams, \$7. Devoted to infrared, nuclear magnetic resonance and mass spectrometry, with detailed examples for analysis.

JACQUES-YVES COUSTEAU'S WORLD WITHOUT SUN—James Dugan, Ed.—Harper, 205 p., 242 photographs, 102 in color, \$10. Documented story in pictures with narrative of the first seafloor research station from which oceanauts explored the Roman Reef in the Red Sea.

THE LAND AND PEOPLE OF ETHIOPIA—Edna Mason Kaula—Lippincott, 158 p., photographs, map, \$3.25. A contemporary portrait of an ancient nation.

THE LAND AND PEOPLE OF URUGUAY—Lavinia Dobler—Lippincott, 156 p., photographs, map, \$3.25. A portrait of the smallest and most progressive country in South America.

MECHANICAL WORKING OF STEEL II: Proceedings of Sixth Technical Conference—T. G. Bradbury, Ed.—Gordon & Breach, 542 p., illus., \$27.50; paper, \$14.50. Deals with bar and semi-finished products, flat rolled, pipe and tubular products.

RESEARCH TECHNIQUES IN HUMAN ENGINEERING—Alphonse Chapanis—Johns Hopkins Press, 316 p., diagrams, paper, \$2.45. Reprint (1959), gives clear account of research techniques concerned with the human factor in man-machine efficiency.

SAILING YACHT DESIGN: An Appreciation of a Fine Art—Robert G. Henry and Captain Richards T. Miller, USN—Cornell Maritime Press, 139 p., photographs, drawings, \$5. Based on technical paper and discussion at the 1963 meeting of the Society of Naval Architects and Marine Engineers.

SAUNA: The Finnish Bath—H. J. Viherjuuri, preface by Cecil Ellis—Stephen Greene Press, 87 p., illus., \$3.95. Discusses the types and values of the traditional Finnish health cult.

UNDERWATER EXPLOSIONS—Robert H. Cole—Dover, 437 p., diagrams, paper, \$2.75. Reprint (1948) of the results of research on underwater explosions carried out by many groups in the war years 1941-46.

VERTEBRATES: Their Structure and Life—W. B. Yapp—Oxford Univ. Press, 525 p., illus., \$6.50. Fully illustrated text in comparative anatomy including findings of recent experimental work.

WHEAT: Botany, Cultivation and Utilization—R. F. Peterson—Interscience Pubs., 422 p., photographs, illus., maps, \$16. Covers in broad outline comprehensive information on botanical, agricultural and commercial aspects of wheat crops.

THE WONDER OF ELECTRICITY—Hy Ruchlis—Harper, 218 p., photographs, illus. by Christie McFall, \$3.95. Fundamental and clear explanations of the basic terms and processes, for young people.

WORLD URANIUM AND THORIUM RESOURCES—European Nuclear Energy Agency, O.E.C.D.—ENEA, 22 p., map, paper, single copies free upon request direct to ENEA, 38 Blvd. Suchet, Paris 16e, France. World survey of known or inferred nuclear fuel resources in different price ranges.

• Science News Letter, 88:399 December 18, 1965

Nature Note Blushing 'Devil'

► THE EXTREMELY SHY and retiring octopus, sometimes called the devil-fish, actually blushes many different colors when excited.

Small flexible bags of blue, red, green, yellow or brown pigment are located under the thin skin of this weird creature. Each bag is surrounded by a set of radiating muscle fibers. When the octopus becomes wrought up or excited, these bags are stretched into flat disks parallel to its body surfaces, and waves of color sweep over its body, sometimes in bands, sometimes with a uniform tone.

The strange appearance and odd ways of the octopus have long filled men with fear and earned it the name of devil-fish, although the animal is always quick to retreat when confronted with man. The octopus is a very alert creature, with a far larger and more complex nervous system than any other animal in its phylum, Mollusca.

Usually the animal crawls about on its eight or more flexible arms which extend from the round sacklike "head" bearing a pair of large, almost human-like, eyes. But if frightened, the octopus can eject water from its large mantle cavity through a narrow nozzle. The water spurts forward, and the animal is suddenly pushed backward by jet propulsion. The octopus can also confuse its enemies by blowing a cloud of intensely dark liquid from its nozzle.

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BOOKS ON MEDICINAL PLANTS. COMPREHENSIVE list. Lew's, 2510 Van Ness Ave., San Francisco, Calif. 94109.

SURPLUS OPTICS-ELECTRONICS CATALOG. 72 pages 20¢. Meshna, Nahant, Mass.

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