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ANNUAL REVIEW OF NUCLEAR SCIENCE, Vol. 25—Emilio Segré, J. Robb Grover and H. Pierre Noyes, Eds.—Annual Reviews, 1975, 614 p., diagrams, tables, \$17.50. Topics range from knock-out processes and removal energies, to kaonic and other exotic atoms, to computer interfacing for high-energy physics experiments.

ARMS UNCONTROLLED (SIPRI)—Frank Barnaby and Ronald Huisken, Eds.—Harvard U Pr, 1975, 245 p., photographs, tables, \$12.50. Describes the global arms race, tactical weapons systems, nuclear deterrence and proliferation. Data are based on the publications of the Stockholm International Peace Research Institute (SIPRI).

ATLAS OF OPTICAL TRANSFORMS—G. Harburn, C.A. Taylor and T.R. Welberry—Cornell U Pr, 1975, 100 p., plates, \$15. Consists of 32 pairs of plates, each representing 12 diffraction objects and their corresponding diffraction patterns, from simple illustrations of Fourier transforms to examples of spatial filtering.

AUTHENTICITY IN ART: The Scientific Detection of Forgery—Stuart J. Fleming; foreword by S. A. Goudsmit—Crane-Russak, 1975, 164 p., 17 color plates, photographs, diagrams, \$14.50. Professional description of the development of authentication methods, from the aesthetic to the scientific, surveys the full range of present scientific investigation of paintings, ceramics and metals.

THE AUTONOMOUS HOUSE: Design and Planning for Self-Sufficiency—Brenda and Robert Vale—Universe Bks, 1975, 224 p., drawings, tables, \$10. Two architects offer practical solutions for building a house that is not linked to utility lines, but instead uses the energy of sun, wind and rain to service itself and process its waste.

BIRDING FROM A TRACTOR SEAT—Charles T. Flugum—Crowell, 1975, 460 p., drawings by Walter J. Breckinridge, \$8.95. Notes on bird life and the habits of birds as observed by genuine Minnesota dirt farmer.

BORNEO—John MacKinnon and the Editors of Time-Life Books—Time-Life Bks (Little), 1975, 184 p., color photographs, illus., \$8.95. Portrait of a lush jungle island, life in the tropical forest, exotic insects, a wide variety of primates, birds, mangroves and monkeys.

EVOLUTION OF STARS AND GALAXIES—Walter Baade; Cecilia Payne-Gaposchkin, Ed.—MIT Pr, 1975, 320 p., diagrams, tables, paper, \$5.95. Originally published in 1963, study concentrates on nearby systems, especially the local group of galaxies, fitting together a multitude of facts.

THE FIRST THREE YEARS OF LIFE—Burton L. White—P-H, 1975, 300 p., illus, tables, \$10. A detailed guide to the intellectual and emotional development of the very young child, describes each of the seven successive developmental phases, suggesting child-rearing practices, parental strategies, toys and equipment.

THE FLIGHT OF THE SNOW GEESE—Des and Jen Bartlett—Stein & Day, 1975, 190 p., photographs, \$8.95. The authors watched and recorded every phase of the snow goose life cycle and annual migration over 2,500 miles that separate the Canadian tundra from the Gulf of Mexico.

THE GENTLE GIANTS: The Gorilla Story—Geoffrey H. Bourne and Maury Cohen—Putnam, 1975, 319 p., 100 photographs, \$12.50. Composite, affectionate portrait of the gorilla, based on accounts ranging from early hunters to ethologists' studies in the wild, gorillas in zoos, and studies by primatologists in the laboratory.

THE GREAT AMERICAN MEDICINE SHOW: The Unhealthy State of U.S. Medical Care, and What Can Be Done About It—Spencer Klaw—Viking Pr, 1975, 316 p., \$11.95. Annotated analysis of the American system of providing medical care, the composite of doctors, hospitals, insurance, high-priced drugs, malpractice, and more. Proposes some realistic reforms.

HOW TO BE A FIX-IT GENIUS USING 7 SIMPLE TOOLS—John Stockwell and Herbert Holtje—McGraw, 1975, 252 p., photographs, drawings, \$8.95. Shows easy methods for common household repairs using hammer, pliers, monkey wrench, saw, wall scraper, screwdriver and plunger.

MAN'S RELATION TO THE UNIVERSE—Bernard Lovell—W.H. Freeman, 1975, 118 p., photographs, diagrams, \$5.95. Reviews the progress of observational astronomy, and discusses our present understanding of the solar system, our galaxy, and extragalactic systems and cosmology.

NEBRASKA SYMPOSIUM ON MOTIVATION 1974—James K. Cole and Theo B. Sonderegger, Eds.—U of Neb Pr, 1975, 310 p., diagrams, paper, \$6.95. Topics covered range from the physiological, neurological and behavioral bases of thirst to brain stimulation and behavior control.

NEUTRON STARS, BLACK HOLES AND BINARY X-RAY SOURCES—Herbert Gursky and Remo Ruffini, Eds.—Reidel Pub, 1975, 453 p., photographs, diagrams, tables, \$22.50. Reports on the dramatic advances in the study of supernovae, pulse astronomy, the physics of gravitationally collapsed objects, galactic X-ray sources, and the evolution of binary systems.

ORIGINS OF THE STATE AND CIVILIZATION: The Process of Cultural Evolution—Elman R. Service—Norton, 1975, 380 p., map, \$12.50. Probes deeply into archaeological and ethnological evidence of the origins of government, rebuts former conclusions, and gives the author's own analysis of the crucial elements in ancient civilizations.

PETROLEUM AND THE CONTINENTAL SHELF OF NORTH-WEST EUROPE, Vol. 1: Geology—Austin W. Woodland, Ed.—Halsted Pr, 1975, 9x12, 510 p., photographs, diagrams, maps, \$47.50. Geological presentations range from the tectonic development of Great Britain and the surrounding seas, to discussion of paleotemperatures in the Northern North Sea Basin.

PORTRAITS IN THE WILD: Behavior Studies of East African Mammals—Cynthia Moss—HM, 1975, 380 p., color and b&w photographs, map, \$12.50. New material about the behavior of African elephants, giraffes, black rhinos, zebras, antelopes, baboons, the big cats, and the spotted hyena.

PROBLEM BOOK IN RELATIVITY AND GRAVITATION—Alan P. Lightman et al—Princeton U Pr, 1975, 614 p., \$20; paper, \$7.50. Unique collection of 475 problems (with solutions) arranged by subject and graded by difficulty, in fields at the frontiers of modern physics.

PROBLEMS OF SCIENTIFIC REVOLUTION: Progress and Obstacles to Progress in the Sciences (The Herbert Spencer Lectures 1973)—Rom Harré, Ed.—Oxford U Pr, 1975, 110 p., plate, \$11.25. Six essays with topics ranging from molecular theory of evolution to discourse on the rationality of scientific revolutions.

THE SACCHARINE DISEASE: Conditions Caused by the Taking of Refined Carbohydrates, such as Sugar and White Flour—T. L. Cleave; foreword by D. P. Burkitt, M.D.; introd. by Miles H. Robinson, M.D.—Keats, 1975, 216 p., diagrams, tables, \$7.95. Sets out the evolutionary and epidemiological evidence for the author's concept connecting major diseases of Western civilization with over-consumption of concentrated and refined carbohydrates.

THE SECOND BIRD-WATCHERS' BOOK—John Gooders, Ed.—David & Charles, 1975, 160 p., 25 photographs, \$8.95. Professional and amateur ornithologists' accounts of stalking, observing and photographing elusive and rare birds in Europe, Africa and Asia.

THINKERS AND TINKERS: Early American Men of Science—Silvio A. Bedini—Scribner, 1975, 540 p., 100 photographs, \$17.50. Fully annotated account of the instruments and achievements of cartographers, navigators, surveyors and other mathematical practitioners, from the time of the first British plantations in America to the early 19th century.

THE TELESCOPE HANDBOOK AND STAR ATLAS—Neale E. Howard—T Y Crowell, 1975, updated ed., 238 p., photographs, star maps, diagrams, tables, \$14.95. Valuable guide for the amateur astronomer.

UNEXPECTED FACES IN ANCIENT AMERICA, 1500 B.C. to A.D. 1500: The Historical Testimony of Pre-Columbian Artists—Alexander von Wuthenau—Crown, 1975, 256 p., 32 color plates, 200 b&w photographs, maps, \$12.95. A study of pre-Columbian stone and terracotta faces comparing their features with African and Asian sculptured heads.

VOLCANO—Maurice and Kata Krafft, introd. by Eugene Ionesco, transl. by John Shepley—Abrams, 1975, 11x12, 174 p., 55 color plates, drawings, maps, \$35. Presents the tectonics and the mechanisms of volcanoes, the types of eruptions, and describes and depicts volcanic landscapes at rest and in action.

WEBSTER'S MEDICAL SPELLER—Merriam, 1975, 388 p., \$3.95. Handy reference to 35,000 medical words, spelled and divided, plus medical abbreviations and abbreviations used in prescriptions.

WOMEN IN THE KIBBUTZ—Lionel Tiger and Joseph Shepher—HarbraceJ, 1975, 344 p., tables, \$10.95. An in-depth social study of women's reactions to their sociosexual roles in the kibbutz, analyzes their working patterns, their politics, education and family relationships.

THE YEAR OF THE KOALA—H. D. Williamson—Scribner, 1975, 222 p., illus. by William T. Cooper, \$8.95. Narrative relates the life and habits of koalas in their habitat of the eastern coastal area of Australia.