

language—about 13 years of age—would also find it interesting, perhaps for a special report in science class.

SUE BOTTIGHEIMER, *Environmental Centers of Setauket-Smithtown, Inc.*

MAN'S RELATION TO THE UNIVERSE.

By Bernard Lovell. W. H. Freeman and Company, San Francisco. \$5.95. x + 118 p.; ill.; index. 1975.

BEING FEMALE. *Reproduction, Power, and Change. World Anthropology.*

Edited by Dana Raphael. Mouton Publishers, The Hague, and Paris; distributed in the U.S.A. and Canada by Aldine, Chicago. \$14.50. xiv + 293 p.; ill.; names and subject indexes. 1975.

The volumes of the *World Anthropology* series consist of the approximately two thousand papers discussed at the IXth International Congress of Anthropology and Ethnological Sciences, which was held in Chicago in 1973. According to the series editor, Sol Tax, the present volume, which is skewed predominantly towards looking at female interests, is a step towards balancing the male bias which is finally beginning to be recognized as a stumbling block in our understanding of human behavior. It points out that "former anthropological reports have been lopsided; that females essentially have been overlooked in the ethnographic literature; that most ethnographies were by males and about male activities; [and] that viewing of the world from a male vantage has distorted our understanding and slowed our science" (p. v).

This volume represents the research interests of those who attended the Congress and does not pretend to cover all of the areas about females that social and biological scientists are presently investigating. Since those who presented papers included a psychologist, a physician, a neuroendocrinologist, a political scientist, a musicologist, a public health administrator and a primatologist, as well as a variety of anthropologists, the result is a sort of intellectual smorgasbord of papers of diverse content and level of scholarship. Many are so brief that they are useful only as introductions and guides to further reading. In general, the contents reflect what editor Dana Raphael, author of *The Tender Gift*, a book on mothering and lactation, sees as a "preoccupation by the world's females with the processes of pregnancy, childbirth, lactation, and abortion" (p. 1).

KATHERINE RALLS. *Mammals, Smithsonian Institution*

THE FOREST SERVICE. *A Study in Public Land Management.*

By Glen O. Robinson. Published for Resources for the Future, by The Johns Hopkins University Press, Baltimore and London. \$16.95 (cloth); \$4.95 (paper). xviii + 337 p.; ill.; index. 1975.

EXERCISE AND SPORT SCIENCES REVIEWS. Volume 3.

Edited by Jack H. Wilmore and Jack F. Keogh. Academic Press (a subsidiary of Harcourt Brace Jovanovich), New York, San Francisco, and London. \$17.25. xvi + 406 p.; ill.; subject index. 1975.

This is the third volume in the series, *Exercise and Sports Sciences Reviews*. The series is designed to advance interdisciplinary communication in the biological, behavioral, and kinesiological aspects of exercise and sports. The present volume contains 14 chapters, six dealing primarily with the biological aspects of sports, four with biomechanics, and four with methodologies of data collection and information retrieval.

The chapters with a biological orientation examine the effects of exercise and training on hormone plasma concentrations, properties of connective tissue, and cardiac function, and the potential danger of soft-tissue injury in sports. The chapters with a kinesiological orientation review recent research on the biomechanics of jumping, running, swimming, and developmental kinesiology. Those dealing primarily with methodology examine recent advances in force plate designs, electron microscopy, and information retrieval in sport.

The chapters on motor-unit properties, plasma growth hormone, exercise and cardiac function, kinematics of running, biomechanics of swimming, and the anthropometric correlates of motor performance are particularly well done. The book is a well documented scientific treatise on important aspects of exercise and sport. It is a rich source of information, supplements nicely the first two volumes, and will serve as a valuable authoritative reference source for physicians and physical educators and for researchers in exercise physiology and sports medicine.

G. LAWRENCE RARICK, *Physical Education, University of California, Berkeley*



HEALTH SCIENCES

THE PLACENTA AND ITS MATERNAL SUPPLY LINE. *Effects of Insufficiency on the Fetus.*

Edited by P. Gruenewald. University Park Press, Baltimore. \$24.50. x + 366 p.; ill.; index. 1975.

This volume is essentially a collection of articles many of which have appeared in similar form elsewhere in the literature. It is questionable whether collecting these articles into a single volume is a valid exercise since their relationship to the title is not always readily apparent. It is an attempt to expand the old limited concept of placental insufficiency, but it has only