

books OF THE WEEK

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THE ACCELERATION OF HISTORY—Gerard Piel—Knopf, 1972, 369 p., \$8.95. Essays addressed to specific issues of contemporary concern—the heritage of science in a civilization of machines, technology and democratic institutions, health, population growth, education and armaments.

AEROBICS FOR WOMEN—Mildred Cooper and Kenneth H. Cooper, M.D.—Evan Lippincott, 1972, 160 p., tables, \$5.95. Based on ongoing aerobics research, current fitness studies and case histories, the book explains aerobics and offers charts especially worked out for women at different age levels.

ANNUAL REVIEW OF PHARMACOLOGY, Vol. 12—Henry W. Elliott, Ronald Okun and Robert George, Eds.—Annual Reviews, 1972, 528 p., \$10. Among topics reviewed are antibiotic mechanisms, drugs and heart muscle, vasoactive peptides, immunosuppressive agents, prostaglandins, and pharmacology of mercury compounds.

BATTLE ON THE ROSEBUSH: Insect Life in Your Backyard—Marian S. Edsall—Follet Pub. Co., 1972, 160 p., illus. by Jean Cassels Helmer, \$4.95. An invitation to stalk your rosebush with a magnifying glass and learn about the creatures that inhabit the bush, with instructions on how to take care of them during temporary confinement for closer study.

BIOLOGY OF BRACKISH WATER—Adolf Remane and Carl Schlieper—Wiley-Interscience, 1972, 2nd rev. ed., 380 p., photographs, drawings, fold-out charts, \$21.75. Treatise offers up-to-date survey of the ecology of brackish water, changes in size and form of organisms, as an area of colonization, biotypes, and types and physiology of brackish water.

BIOSCIENTIFIC TERMINOLOGY: Words from Latin and Greek Stems—Donald M. Ayres—Univ. of Ariz. Press, 1972, 325 p., paper, \$4.95. Practical aid to precise and specific meaning in the biological sciences, explains prefixes and suffixes, gives lists of bases with examples of their uses, exercises, and additional terms and phrases.

CITY LEAVES, CITY TREES—Edward Gallob—Scribner, 1972, 64 p., photographs and photograms by author, \$6.50. Large-size identification book of common trees found in the New England, Middle Atlantic and North Central states.

COLLAGENASE—Ines Mandl, Ed.—Gordon & Breach, 1972, 215 p., photographs, diagrams, \$12.50; paper, \$7.50. Research papers deal with collagenase in the laboratory, experimental uses of collagenase, uses in burn therapy, and treatment of dermal lesions with collagenase.

CONTINENTS ADRIFT: Readings from Scientific American—Intro. by J. Tuzo Wilson—Freeman, W. H., 1972, 172 p., photographs, drawings, maps, \$7; paper, \$3.50. Contains 14 articles dealing with continental drift and sea-floor spreading.

EROSION AND SEDIMENT POLLUTION CONTROL—R. P. Beasley—Iowa State Univ. Press, 1972, 320 p., illus., \$11.95. Both textbook and source of information for all concerned with agricultural and urban erosion control.

ETHOLOGICAL STUDIES OF CHILD BEHAVIOUR—N. Blurton Jones, Ed.—Cambridge Univ. Press, 1972, 400 p., illus., \$19.50. Studies apply the methods of comparative

ethology in examining human behavior, such as non-verbal communication, mother-infant interaction, child-child interaction, development of skills, and cross-cultural studies.

A FIELD GUIDE TO TREES AND SHRUBS: Field marks of all trees, shrubs and woody vines that grow wild in the north-eastern and north-central United States and in south-eastern and south-central Canada—George Petrides—Houghton, 1972, 480 p., 2nd ed., illus. by author (leaf and twig plates) and Roger Tory Peterson (flowers, fruits, silhouettes), \$5.95. Excellent identification aid to 646 species.

THE FORGOTTEN SENSES—Donald E. Carr—Doubleday, 1972, 347 p., \$7.95. Reviews in depth the various senses of animals, modes of perception and of communication which developed during evolution, and which evolution may have tended to breed out of man specializing in symbolic thinking.

GARDENING WITH STONE AND SAND—Jack Kramer—Scribner, 1972, 85 p., botanical plates by M. Valdez and C. Hoepfner, garden plans by Frank A. Chin Loy, \$5.95; paper, \$2.95. Shows how to use the concept of stone, rock, gravel and sand in planning a natural garden suited to the Western mode of living.

THE HUMAN IMPERATIVE—Alexander Alland, Jr.—Columbia Univ. Press, 1972, 185 p., \$8.50. Offered by anthropologist both as a critique and answer to Ardrey, Lorenz and Morris, and as a discussion of the way modern anthropology relates culture and genetics which form the compound that is human behavior.

IN DEFENSE OF EARTH: International Protection of the Biosphere—Lynton K. Caldwell—Indiana Univ. Press, 1972, 295 p., \$8.50. Intended to help people understand the movement to bring man's relationships with the planet Earth under some rational control, emphasis is historical, concerned with the institutional structure and its transformations in the effort to safeguard the biosphere.

ISLAND YEAR—Hazel Heckman—Univ. of Wash. Press, 1972, 267 p., drawings by Laurie Olin, \$7.95. A diary of the cycle of the seasons, the annual record of the flora and fauna, observed on Anderson Island in Puget Sound.

LEAD: Airborne Lead in Perspective—Committee on Biologic Effects of Atmospheric Pollutants, Div. of Medical Sciences, NRC—NAS Pubns., 1972, 330 p., illus., paper, \$6.50. Evaluative report of current knowledge of lead in ecosystem, in plants, input and biologic effects in man, in domestic and wild animals, nonbiologic effects of lead, conclusions and recommendations.

THE LEFT HAND OF THE ELECTRON—Isaac Asimov—Doubleday, 1972, 225 p., \$6.95. Collection of literate and informative science essays, ranging from charged particles of the atom, to the vast expanse of the world's oceans, to zoologic taxonomy, and the abstract world of number theory.

THE MOSCOW PUZZLES: 359 Mathematical Recreations—Boris A. Kordemsky, transl. from Russian by Albert Parry, with introd. by Martin Gardner, Ed.—Scribner, 1972, 309 p., illus., \$10. A classic in Russian recreational mathematics, collection ranges from simple "catch" riddles to difficult number problems.

OF MOSQUITOES, MOTHS AND MICE—C. Brooke Worth—Norton, 1972, 258 p., photographs, \$8.95. Entomologist's narrative about his years of field research experiences in the marshes of Cape May County, New Jersey.

PREJUDICE IN CHILDREN—Alan R. Brown, Ed.—Thomas, C. C., 1972, 214 p., tables, \$6.95. Presents scientific findings on how children learn to be prejudiced, deals with the sociocultural and psychological causal factors in the development of preju-

dice, attitude change and modification of prejudice.

THE PROPOSED HEALTH MAINTENANCE ORGANIZATION ACT OF 1972—William R. Roy, M.D., foreword by Paul G. Rogers—Science & Health Communications Group, 1972, 300 p., \$13.50. A sourcebook on the whole issue of HMO, analyzes the current health care crisis and proposed legislative solutions. Appendices outline various positions of major policy makers.

THE PROSTAGLANDINS: Progress in Research—Sultan M. M. Karim, Ed.—Wiley-Interscience, 1972, 327 p., diagrams, tables, \$12.50. Research papers on pharmacological actions, reproduction, cardiovascular actions, effects on gastro-intestinal tract, platelet function, and the chemistry of prostaglandins.

THE SEXUAL CODE: The Social Behavior of Animals and Men—Wolfgang Wickler, introd. by Konrad Lorenz—Doubleday, 1972, 332 p., illus. by Hermann Kacher, \$7.95. Zoologist describes many examples of social and sexual behavior exhibited throughout the animal kingdom and by man as well, pointing out parallels in the development of the family and sexual behavior patterns as an inherent part in cementing social relationships.

THE SPOTTED HYENA: A Study of Predation and Social Behavior—Hans Kruuk—Univ. of Chicago Press, 1972, 335 p., 58 plates, drawings, maps, tables, \$15. Based on years of field research in the Serengeti and Ngorongoro, with most observations at dawn, dusk and night, this monograph gives the first accurate account of hyena behavior, diet, and the impact of hyena predation on the population of ungulates.

STATISTICS—Donald J. Koosis with Arthur P. Coladarci—Wiley, 1972, 282 p., diagrams, paper, \$2.95. A self-teaching, programmed guide on how to use basic statistical concepts and procedures.

STEDMAN'S MEDICAL DICTIONARY—Williams & Wilkins, 1972, 22nd ed., 1,620 p. illus., thumb-indexed, \$18.50. Authoritative vocabulary of medicine and its allied sciences, with pronunciations and derivations, contains 30% editorial revisions and 7,199 new entries reflecting latest information from 44 specialties and subspecialties.

THE STRESS OF HOT ENVIRONMENTS—D. McK. Kerslake—Cambridge Univ. Press, 1972, 316 p., diagrams, \$19.50. Monograph examines from a theoretical point of view the problem of constructing an index of heat stress. Deals with the physical principles of heat exchange at the skin surface, clothing, respiration and water loss, physiological responses, updating older data by SI units throughout.

VIGILANCE: The Problem of Sustained Attention—Carl M. Strohm—Pergamon Press, 1972, 106 p., diagrams, \$8.25. Monograph organizes, critically reviews and summarizes research conducted on vigilance phenomena, from factors influencing vigilance performance, to physiological correlates and theories of vigilance performance.

WHAT DO YOU SAY AFTER YOU SAY HELLO? The Psychology of Human Destiny—Eric Berne, M.D.—Grove Press, 1972, 474 p., diagrams, \$10. Successor to the late author's *GAMES PEOPLE PLAY*, this book demonstrates how a person's life script gets programmed early in life, how it works, and how, with the help of transactional analysis, a person can break free from this confining script.

WITHOUT PRESCRIPTION: A Guide to the Selection and Use of Medicines You Can Get Over-the-Counter Without Prescription, for Safe Self-Medication—Erwin di Cyan and Lawrence Hessman, M.D., foreword by Walter C. Alvarez, M.D.—Simon & Schuster, 1972, 321 p., \$7.95. Gives basic information about ingredients, caution indicated, and lists side effects of certain ingredients.