

books OF THE WEEK

THE POLITICS OF ECOLOGY
—By James Ridgeway—Dutton, 1970,
\$5.95.

It is beginning to dawn on many people that the ecological view of nature is one that also applies to people and their institutions, habits and psychology. There is an underlying inter-relationship and unity beneath the old pluralisms and categories of the classical intellectual. For example, polluting corporations could not exist without a large mass of consumers who are alienated from their true beings—and thus who are readily seduced by the

polished illusions offered by the corporations.

Ridgeway seems to take a stab at elucidating such a point of view, but he fails. His failure is compounded by over-simplification, old-fashioned polemic Populism, tendency toward a conspiracy theory to explain recent events on the environmental front (he sees Environmental Action, the April 22 Earth Day sponsors, as a tool of corporate interests) and plain careless writing.

There is a narrow sense, of course, in which corporations are to blame for the environmental crisis: Their prod-

ucts and factories are the direct producers of pollution and, in the Galbraithian sense, their powers of mass persuasion cause consumers to keep buying these products. But as in a family where not only the greedy and authoritarian father is neurotic, but all the other family members have dovetailing neuroses as well, illnesses in the larger society involve us all. The solution lies in an awakening of the entire society to more humane values. In moralistically attacking corporations and their political allies as special villains, Ridgeway profoundly fails to take a truly ecological view.—R.G.

ANALYTICAL HUMAN GEOGRAPHY: A Collection and Interpretation of Some Recent Work—Peter Ambrose—Am. Elsevier Pub. Co., 1970, 297 p., diagrams, maps, \$7.75. Seeks to explain some of the striking changes in this discipline in the last 20 years; deals with methodology, techniques of measurement, central place theory, subjective distance, and predictive models.

AUSTRALIAN SEASHORES IN COLOUR—Keith Gillett and John Yaldwyn—Tuttle, 1970, 112 p., 113 photographs (64 in color), \$5. Splendidly illustrated descriptions of Australian shoreline features, intertidal and shallow-water animals and plants.

CIRCUIT CONSULTANT'S CASEBOOK—T. K. Hemingway—TAB Bks., 1970, 210 p., diagrams, \$9.95. Practical guide for the circuit designer, gives examples for avoiding design faults, and for meeting required specifications with optimum performance.

THE EFFECTS OF NOISE ON MAN—Karl D. Kryter—Academic Press, 1970, 633 p., illus., \$19.50. Presents critical analysis of the relevant literature, and offers new or modified existing techniques for the evaluation of the effects of environmental noise on man's auditory and nonauditory system responses.

ENGINEERING MATHEMATICS HANDBOOK: Definitions, Theorems, Formulas, Tables—Jan J. Tuma—McGraw-Hill, 1970, 334 p., 260 two-color diagrams, \$9.95. Up-to-date and arranged to give easy access to topics ranging from fundamentals of algebra and geometry through integral calculus, vectors, differential equations, to numerical methods and indefinite integrals.

FROM INSTINCT TO INTELLIGENCE: How Animals Learn—Gloria Kirshner—Grosset, 1970, 127 p., photographs, \$3.95. Explores the progress of animal learning by describing experiments with many kinds of animals.

GAS-LIQUID REACTIONS—P. V. Danckwerts—McGraw-Hill, 1970, 276 p., diagrams, \$11.50. Brings together for the process designer, research worker and student, what is known about the effects of reactions on the rate of absorption of gases into liquids and the dimensions of industrial and laboratory equipment for carrying out the process.

HIGH MODULUS FIBERS AND COMPOSITES—Francis S. Galasso—Gordon & Breach, 1970, 117 p., illus., \$9.50. Contains some data on glass and metal fibers, but mainly covers high modulus continuous fibers and epoxy resin, and metal matrix composites which contain these fibers.

HISTORY OF MATHEMATICAL LOGIC FROM LEIBNITZ TO PEANO—N. I. Styazhkin, transl. from Russian—M.I.T. Press, 1970, 333 p., diagrams, \$12.50. Emphasizes the development of logical symbolism that could be used to treat in a mathematically formal way the deductive parts of classical Aristotelian logic.

INTRODUCTION TO TELEPHONY AND TELEGRAPHY—E. H. Jolley—Hart Pub. Co., 1970, 413 p., photographs, diagrams, \$32.50. Handbook provides the basic technical practices and principles which have been followed since the setting up of the telephone and telegraph services, from circuit components to discussion of power plants.

LABORATORY AT THE BOTTOM OF THE WORLD—Peter Briggs—McKay, 1970, 180 p., photographs, map, \$5.95. A popular introduction to the adventure of scientific work in the Antarctic.

MAN'S IMPACT ON THE GLOBAL ENVIRONMENT: Assessment and Recommendations for Action—Report of the Study of Critical Environmental Problems (SCEP)—MIT Press, 340 p., diagrams, paper, \$2.95. Presents results of a one-month interdisciplinary examination of the global climatic and ecological effects of man's activities.

METHODS OF SCIENCE: An Introduction to Measuring and Testing for Laymen and Students—E. L. Dellow—Universe Bks., 1970, 268 p., illus., \$8.95. Gives insight into the way in which scientists and technicians work, into the questions they probe and the instruments they use.

METHODS OF STUDY IN SOIL ECOLOGY: Proceedings of the Paris Symposium Organized by UNESCO and the International Biological Programme—J. Phillipson, Ed.—Unipub, 1970, 303 p., illus., \$17. Papers deal both with the broader aspects and with advances in methodology, special emphasis throughout is on production and energy flow in soil ecosystems.

MINNESOTA STUDIES IN THE PHILOSOPHY OF SCIENCE, Vol. IV: Analyses of Theories and Methods of Physics and Psychology—Michael Radner and Stephen Winkur, Eds.—Univ. of Minn. Press, 1970, 441 p., diagrams, \$12.50. Presents papers and discussion from the Conference on the Problems of Correspondence Rules, as well as papers on current issues and controversies.

THE NETSILIK ESKIMO—Asen Balicki, foreword by Margaret Mead—Natural Hist. Press, 1970, 264 p., photographs, drawings, map, \$8.95. A contemporary study of the ancient ways in which a sturdy people survives in a harsh climate, fashioning a tech-

nology out of snow, ice, skin, stone and bone, and developing their isolated social customs.

NUCLEAR POWER AND THE PUBLIC—Harry Foreman, M.D., Ed.—Univ. of Minn. Press, 1970, 273 p., diagrams, \$9. Background papers and debate of the scientific and technical, social and political factors involved in the possible beneficial or harmful effects of nuclear power plants.

PAIN AND SUFFERING: Selected Aspects—Benjamin L. Crue, M.D., Ed.—Thomas, C. C., 1970, 205 p., illus., \$12.75. Symposium papers emphasize clinical neurosurgical operative procedures attempting alleviation of pain, from tri-geminal compression procedure for tic douloureux to adrenalectomies performed in treating metastatic breast carcinoma.

A PICTORIAL HISTORY OF OCEANOGRAPHIC SUBMERSIBLES—James B. Sweeney—Crown Pubs., 1970, 314 p., 420 photographs and drawings, \$9.95. Informative and readable story of the development of oceanographic submersibles, from observations of living organisms in the sea, early diving equipment and submarine boats, to atomic submarines and underwater habitats.

STUDIES IN HUMAN SEXUAL BEHAVIOR: The American Scene—Ailon Shiloh, Ed., preface by Paul H. Gebhard—Thomas, C. C., 1970, 460 p., diagrams, \$16.50. Covers a wide range of contemporary American scientific research concerning sexual behavior, including methods of research; heterosexual behavior and biocultural affectors; and deviant behavior.

THE WASPS—Howard E. Evans and Mary Jane West Eberhard—Univ. of Mich. Press, 1970, 265 p., illus., \$7.95; paper, \$3.45. Concise and authoritative account of the natural history of wasps, their solitary nesting behavior, colonies of social wasps, and the biotic relationships of wasps.

WATER RESOURCES SYSTEMS ENGINEERING—Warren A. Hall and John A. Dracup—McGraw-Hill, 1970, 372 p., illus., \$13.50. A sourcebook, treats the analysis of water resource systems using the techniques of operations research. Coverage includes investment timing; large-scale, complex, multiple purpose systems; groundwater systems; and water quality systems.

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