

in placing pure research in a secondary position and in emphasizing applied research at its expense. Mere manipulative techniques can, with bureaucratic support, take on the guise of science. Many will doubt that the anthropologist-administrator should be made the final arbiter of mankind's goals. Thompson does not picture a Brave New World or a 1984, but the assumption that any group of scholars knows what is best for every community and nation presupposes an omniscience few will grant even a new, unified "science of mankind." Nevertheless, Thompson has done social science a real service in pointing out the promise of a broader approach, oriented toward today's pressing problems.

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Microclimatology

Das Klima der bodennahen Luftschicht.

Rudolf Geiger. Vieweg, Braunschweig, Germany, ed. 4, 1961. 646 pp. Illus.

Meteorologists and ecologists, agriculturists and foresters, conservationists and geographers, architects and planners should welcome this fourth edition of Geiger's textbook on microclimatology. Since its first appearance in 1927 this book has dominated the field. From a slender volume it has grown into an imposing tome. Its earlier editions, including the English translation of the second edition [reviewed in *Science* 126, 214 (1957)], have helped to stimulate work in microclimatology a great deal.

Even with a 30 percent expansion in this edition, including 1218 literature citations, the author still had to exercise considerable restraint in choosing his material. He has succeeded admirably. The appearance of Sir Graham Sutton's companion volume on micro-meteorology made it possible to omit much of the basic theoretical material. But in the phenomenological realm the book is without equal.

The contents fall under a few primary headings: interaction of the surface with the adjacent air; heat balance in this surficial atmospheric layer; climatic interactions with fields and forests; special reaction of climate to orographic influences; and finally, relations of mi-

croclimate to humans and animals. G. Hofmann contributed a chapter on methodology of observations. This bare outline does not indicate the richness of the teaching material in this book. Some professor might even follow the whimsical suggestion to take students out in a glaze storm and, as a final examination, let them answer all the microclimatic puzzles nature might pose in these cases.

On the more serious side, I hope that Geiger's injunction is heeded; he urges man to change from the ignorant destruction of beneficial microclimates to the deliberate creation of favorable changes in housing and city planning, reforestation and water management, and farm production. Rational climatic modifications are certainly closer at hand near the ground than in the clouds.

Presumably because of language problems the rather extensive Russian literature in the field has not found a foothold in the book. Perhaps in this as in some other respects one might cast an eye into the future. There is little doubt that a few years hence a handbook on microclimate will be needed. It would be wonderful to contemplate that Geiger, the undisputed master in the field, might take the helm and assemble a team to tackle this job.

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New Books

Biological and Medical Sciences

The Adrenal Cortex. G. K. McGowan and M. Sandler, Eds. Lippincott, Philadelphia, Pa., 1961. 238 pp. Illus. \$5. Proceedings of a symposium organized by the Association of Clinical Pathologists and held at the Royal Society of Medicine (London), 14-15 October 1960.

Advances in Blood Grouping. Alexander S. Wiener. Grune and Stratton, New York, 1961. 561 pp. Illus. \$11. Selected papers on immunohematology published by Wiener (mostly since 1954), arranged by topic, with some added comments.

Carter's Principles of Microbiology. Alice Lorraine Smith. Mosby, St. Louis, Mo., ed. 4, 1961. 603 pp. Illus. \$6.

Inhaled Particles and Vapours. C. N. Davies, Ed. Pergamon, New York, 1961. 506 pp. Illus. \$15. Proceedings of an international symposium organized by the British Occupational Hygiene Society, 1960.

International Review of Cytology. vol. 2. G. H. Bourne and J. F. Danielli, Eds. Academic Press, New York, 1961. 368 pp. Illus. \$11.

Medical and Biological Aspects of the Energies of Space. Paul A. Campbell, Ed. Columbia Univ. Press, New York, 1961. 500 pp. Illus. \$10.

A Mirror up to Medicine. A. C. Corcoran, Ed. Lippincott, Philadelphia, 1961. 521 pp. \$5.75. Selections from the writings of physicians and others, designed to portray medicine and the "medical mind" from every point of view: Hippocrates, *The First Aphorism*; MacMichaels, *The Cane's Story of the Last Illness of Sir Isaac Newton*; Sherrington, *Man on His Nature*.

Models and Analogues in Biology. Symposia of the Society for Experimental Biology, No. 14. Academic Press, New York, 1960. 262 pp. Illus. \$9.50.

Nerves, Brain, and Man. John Grayson, Taplinger, New York, 1960. 253 pp. Illus. + plate. \$5.

Nomina Anatomica. Revised by the International Anatomical Nomenclature Committee, appointed by the Fifth International Congress of Anatomists (Oxford, 1950), and approved by the Sixth and Seventh International Congress of Anatomists (Paris, 1955, and New York, 1960). Excerpta Medica Foundation, New York, ed. 2, 1961. 109 pp. \$3.75.

Pharmacognosy. Edward P. Claus. Lea and Febiger, Philadelphia, Pa., ed. 4, 1961. 565 pp. Illus. \$12.50.

The Physiological Regulation of Salivary Secretions in Man. Alexander C. Kerr. Pergamon, New York, 1961. 86 pp. Illus. \$6.50.

Poliomyelitis. Papers and discussions presented at the Fifth International Poliomyelitis Conference, Copenhagen, Denmark, 26-28 July 1960. Compiled and edited for the Congress. Lippincott, Philadelphia, 1961. 459 pp. Illus. \$7.50.

Proceedings of the Fourth National Cancer Conference. Sponsored by the American Cancer Society and the National Cancer Institute. Lippincott, Philadelphia, Pa., 1961. 788 pp. Illus. \$9. Held at the University of Minnesota 13-15 September 1960.

Progress in Surgery. vol. 1. M. Allgöwer, Ed. Karger, Basel, Switzerland, 1961. 271 pp. Illus. \$15.

Protein Structure. Harold A. Scheraga. Academic Press, New York, 1961. 319 pp. Illus. \$8.

The School of Pharmacy of the University of North Carolina. A history. Alice Noble. Univ. of North Carolina Press, Chapel Hill, 1961. 247 pp. Illus. \$5.

Symposium on Water and Electrolyte Metabolism. C. P. Stewart and Th. Strenghers, Eds. Elsevier, New York, 1961 (order from Van Nostrand, Princeton N.J.). 205 pp. Illus. Symposium organized by the Netherland Society of Clinical Chemistry and the Netherlands Society for General Pathology; held in 1960.

Transactions of the Society of Rheology. E. H. Lee, Ed. Interscience, New York, 1961. 382 pp. Illus. \$10.50.

Treatise on Invertebrate Paleontology. Pt. Q, *Arthropoda 3. Crustacea, Ostracoda.* Raymond C. Hall, Ed. Geological Soc. of America, New York; Univ. of Kansas Press, Lawrence, 1961. 465 pp. Illus. \$11.50.