

presented, and the amount of it squeezed into so few pages is tremendous. It is well illustrated (225 figures; 10 plates, 7 of which are in color) and well documented with both classical and recent works. This volume is a most welcome companion to the preceding monographs of the series and is a well-rounded and complete biology of the Diptera.

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Renal Function. Transactions of the First Conference, October 20–21, 1949. Stanley E. Bradley, Ed. New York: Josiah Macy, Jr. Foundation, 1950. 172 pp. \$2.50.

Recognizing that "scientific communications at scientific meetings and in the journals have been forced into a narrow mold . . ." the Josiah Macy, Jr. Foundation wisely gathers a select group of scientists in annual two-day conference for the purpose of catalyzing communication and integrating ideas in chosen fields. It has published here the proceedings of its first conference on renal function, dealing primarily with the cellular kinetics of renal tubular activity in urine formation. The result is a spirited little volume which stands apart from the parade of generally feckless contributions to the literature on the kidney.

The topics discussed are the morphological aspects

of renal tubular secretion and reabsorption (Oliver); role of glutaminase in tubular processes (Binkley); biochemical aspects of renal tubular transport (Taggart); tubular secretion of potassium and acid (Berliner); and water reabsorption by renal tubules (Wesson, Jr.). Although much of the content is provocative—i.e., the raw albeit savory hypotheses as to the role of intracellular enzymes in tubular transport—there is no need to examine the material in detail; most of it appears elsewhere. The chief virtue of the whole lies in its record of the differing, divergent, and hitherto unknown opinions of the distinguished members and guests of the conference on a host of points arising during the discussions. Pages 134–137 are delightful where one finds Oliver, Fremont-Smith, and, diametrically, Shannon finally constrained to set forth their philosophical proclivities.

Because of the involved biochemical and general physiological speculations in this book, it is doubtful if any but Oliver's section can be read easily by the clinician unless he is acclimated to the rarefied air of pure research. But all serious workers concerned with the kidney and, particularly, students who wish to learn of the progress in this field should find the volume exciting.

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Scientific Book Register

Physiological Mechanisms in Animal Behaviour. Symposia of the Society for Experimental Biology, No. IV. New York: Academic Press, 1950. 482 pp. \$6.00.

Trends in Gerontology. Nathan W. Shock. Stanford, Calif.: Stanford Univ. Press, 1951. 153 pp. \$2.50.

A Classified Bibliography of Gerontology and Geriatrics. Nathan W. Shock. Stanford, Calif.: Stanford Univ. Press, 1951. 599 pp. \$15.00.

Cloud Physics. D. W. Perrie. Toronto, Canada: Univ. Toronto Press; New York: Wiley, 1950. 114 pp. \$4.50.

Amino Acids and Proteins: Theory, Methods, Application. David M. Greenberg, Ed. Springfield, Ill.: Thomas, 1951. 950 pp. \$15.00.

The Main Stream of Mathematics. Edna E. Kramer. New York: Oxford Univ. Press, 1951. 321 pp. \$5.00.

Patterns of Sexual Behavior. Clellan S. Ford and Frank A. Beach. New York: Harper, 1951. 307 pp. \$4.50.

The Wealth of India: A Dictionary of Indian Raw Materials and Industrial Products, Vol. II covering letter "C." S. S. Bhatnagar, Ed. New Delhi, India: Council of Scientific & Industrial Research, 1950. 427 pp. Rs. 25/- or 40 sh.

Laboratory Design. National Research Council Report on Design, Construction and Equipment of Laboratories. H. S. Coleman, Ed. New York: Reinhold, 1951. 393 pp. \$12.00.

Anopheles and Malaria in the Near East. London School of Hygiene and Tropical Medicine, Memoir No. 7. H. S. Leeson *et al.* London, Eng.: H. K. Lewis, 1950. 223 pp. 35 sh.

Elasticity. Proceedings of the Third Symposium in Applied Mathematics of the American Mathematical Society. R. V. Churchill, Eric Reissner, and A. H. Taub, Eds. New York: McGraw-Hill, 1950. 233 pp. \$6.00.

The Petrology of the Sedimentary Rocks. 3rd ed. F. H. Hatch and R. H. Rastall; rev. by Maurice Black. London: Thomas Murby; New York: Macmillan, 1950. 383 pp. \$4.00.

Byproducts from Milk. Earle O. Whittier and Byron H. Webb. New York: Reinhold, 1950. 317 pp. \$6.00.

The Identification of Molecular Spectra. 2nd ed. R. W. B. Pearse and A. G. Gaydon. New York: Wiley, 1950. 276 pp. \$8.50.

Handbook of North Dakota Plants. Orin Alva Stevens. Fargo, N. D.: North Dakota Institute for Regional Studies, North Dakota Agricultural College, 1950. 324 pp. \$4.50.

The Cacti of Arizona. 2nd ed. Lyman Benson. Albuquerque, N. Mex.: Univ. New Mexico Press, 1950. Published for the University of Arizona Press. 135 pp. \$4.00.

Copper Metabolism: A Symposium on Animal, Plant and Soil Relationships. William D. McElroy and Bentley Glass, Eds. Baltimore, Md.: Johns Hopkins Press, 1950. 443 pp. \$6.00.

Progress in Nuclear Physics, Vol. 1. O. R. Frisch, Ed. New York: Academic Press; London: Butterworth-Springer, 1950. 224 pp. \$6.80.

Physics in Chemical Industry. R. C. L. Bosworth. London-New York: Macmillan, 1950. 928 pp. \$12.75.