

## Scientific Book Register

In Part III, entitled Regional Blood Flow Regulation, are 11 of the 25 papers which comprise the book. In a sense it is an elaboration from a more physiological aspect of Part I. This is introduced by a scholarly résumé of afferent pathways of cardiovascular reflexes by D. Whitteridge, and a related account of reflex reactions evoked from lung receptors by G. S. Dawes. Following these are articles dealing with the regulation of blood flow in the aorta and coronaries, lungs, extremities, skin, kidney, ovaries and uterus, stomach and liver. Part IV contains four papers relating to the Interaction of General and Visceral Circulations. A highlight of this section is G. M. Bull's challenging consideration of possible mechanisms by which renal regulation of total body water is effected.

Although some of the papers in this volume are little more than summaries and others are highly speculative, the majority are of excellent quality, enhanced by the inclusion of carefully selected figures and references. Discussions are maintained at a high caliber throughout the book and provide much stimulating material for the thoughtful reader. Considered as a whole, *Visceral Circulation* constitutes a valuable and fascinating contribution to the current literature on the circulation. It leaves the reader with an acute awareness of the tremendous scope and complexity of the subject and an admiration for the worthy efforts of the investigators represented between its covers.

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**Deformation and Flow in Biological Systems.** A. Frey-Wyssling, Ed. Amsterdam: North-Holland Pub.; New York: Interscience, 1952. 552 pp. \$11.50.

This volume is a collection of reviews on subjects not particularly related to each other, but most have something to do with either macroscopic or microscopic flow. A list of the reviews is as follows: The Rheological Properties of Protoplasm, Seifriz (153 pp.); The Rheology of Muscle, Pryor (36 pp.); Deformation of Plant Cell Walls, Frey-Wyssling (62 pp.); Movement of Water in Higher Plants, Preston (64 pp.); Latex Flow, Frey-Wyssling (21 pp.); Viscous Flow through Elastic Capillaries, Hermans (10 pp.); Rheology of Blood and Lymph, Bayliss (63 pp.); Cerebrospinal Fluid and Intraocular Fluid, Amsler and Huber (27 pp.); Secretions, Scott Blair (18 pp.); Diffusion Phenomena in Biology, Eggleton (14 pp.); and a report on the First International Colloquium on Rheological Problems in Biology (35 pp.).

The use of 153 pages of this volume for a review of the rheological properties of protoplasm would seem quite unjustifiable; the other articles are reasonably concise and bring together for discussion a good bit of physiological literature not ordinarily included in reviews.

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**Rudolph Virchow: Doctor, Statesman, Anthropologist.** Erwin H. Ackerknecht. Madison: Univ. Wisconsin Press, 1953. 304 pp. + plates. \$5.00.

**Adrenal Cortex:** Transactions of the Fourth Conference, November 12-14, 1952, New York. Elaine P. Ralli, Ed. New York: Josiah Macy, Jr. Fdn., 1953. 165 pp. Illus. \$3.50.

**A History of Astronomy: From Thales to Kepler.** 2nd ed. Reissue. J. L. E. Dreyer. New York: Dover, 1953. 438 pp. Illus. \$1.95; cloth, \$3.95.

**Problems in the Anatomy of the Pelvis: An Atlas.** Eduard Uhlenhuth, with assistance of DeWitt T. Hunter; illus. by William E. Loechel. Philadelphia-London: Lippincott, 1953. 206 pp. Illus. \$10.00.

**Science and Fruit.** Commemorating the Jubilee of the Long Ashton Research Station, 1903-1953. T. Wallace and R. W. Marsh, Eds. Bristol, Eng.: Univ. Bristol, 1953. 308 pp. Illus. + plates. \$4.50.

**Glacier Variations and Climatic Fluctuations.** H. W. Son Ahlmann. New York: American Geographical Society, 1953. 51 pp. Illus. \$2.50.

**An Introduction to Symbolic Logic.** 2nd ed. Susanne K. Langer. New York: Dover, 1953. 367 pp. \$1.60; cloth, \$3.50.

**Along the Great Rivers.** Gordon Cooper. New York: Philosophical Library, 1953. 159 pp. + plates. \$4.75.

**Vergleichende Physiologie: Nervenphysiologie.** Vol. II. W. von Buddenbrock. Basel: Verlag Birkhäuser, 1953. 396 pp. Illus. Sw. fr. 34.30; clothbound Sw. fr. 38.50.

**Dislocations and Plastic Flow in Crystals.** A. H. Cottrell. New York: Oxford Univ. Press, 1953. 223 pp. Illus. + plates. \$5.00.

**Communication: From Cave Writing to Television.** Julie Forsyth Batchelor. New York: Harcourt, Brace, 1953. 116 pp. Illus. \$2.50.

**Experiments, Theory, and Problems in General Chemistry.** Hosmer W. Stone and James D. McCullough. New York-London: McGraw-Hill, 1953. 352 pp. Illus. \$6.00.

**Fossil Plants of the Florissant Beds, Colorado.** Harry D. MacGinitie. Washington, D. C.: Carnegie Inst. of Washington, 1953. 198 pp. + plates. \$5.25; clothbound, \$5.75.

**Advances in Catalysis and Related Subjects.** Vol. V. W. G. Frankenburg, V. I. Komarewsky, and E. K. Rideal, Eds. New York: Academic Press, 1953. 487 pp. Illus. \$11.00.

**Franz Boas.** The science of man in the making. Melville J. Herskovits. New York-London: Scribner's, 1953. 131 pp. \$2.50.

**The Tools of Social Science.** John Madge. London-New York: Longmans, Green, 1953. 308 pp. \$4.75.

**The Structure of Human Personality.** H. J. Eysenck. London: Methuen; New York: Wiley, 1953. 348 pp. Illus. \$5.75.

**The Works of Archimedes and The Method of Archimedes.** Reissue. T. L. Heath, Ed. New York: Dover, 1953. 377 pp. Illus. \$1.95; cloth, \$4.95.

**How Animals Move.** The Royal Institution Christmas Lectures 1951. James Gray. New York: Cambridge Univ. Press, 1953. 114 pp. Illus. + plates. \$3.00.

**Dislocations in Crystals.** W. T. Read, Jr. New York: McGraw-Hill, 1953. 228 pp. Illus. \$5.00.

**Existential Psychoanalysis.** Jean-Paul Sartre. Trans. by Hazel E. Barnes. New York: Philosophical Library, 1953. 275 pp. \$4.75.