

(175) of the various pieces of standard equipment. References to the catalogue of Greiner and Friedrichs are supplemented by the numbers of the German standards (D.I.N.). The present trend toward the standardization of laboratory equipment and the manufacture of exchangeable parts will make this book valuable to everyone interested in the manufacture and use of chemical equipment.

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**Practical Physiological Chemistry.** Philip B. Hawk, Bernard L. Oser, and William H. Summerson. Blakiston (McGraw-Hill), New York, ed. 13, 1954. xvi + 1439 pp. Illus. \$12.

The appearance of the 13th edition of *Practical Physiological Chemistry* by Hawk, Oser, and Summerson is a landmark in physiological chemistry, since this marks the 50th anniversary of a book which has been of inestimable value to laboratory workers in biochemistry and allied fields. The impressive list of collaborators includes workers of prominence in many fields of biochemistry.

In general, the organization of material has remained the same as in earlier editions, but the book has been completely reset in a more readable form. This is especially true of experimental procedures. The use of chapter numbers on each page will be of great assistance as there are numerous references to previous chapters. Although several chapters were rewritten, most were not, but rather the sections were expanded by discussions of new developments introduced at appropriate places. This method of revision has limitations, but in general has proved more satisfactory than might be expected.

Inclusion of new developments and concepts has increased the size by 116 pages. Little of the material from previous editions has been deleted and many of the classical experiments that were carried on into this edition are of greater historical than practical interest. One might question the necessity for including the procedural details for all these tests. This new edition contains many experiments covering modern developments in biochemistry, such as paper and column chromatography, microbiological methods, use of radioisotopes, and countercurrent distribution. Two new additions of interest to clinical laboratories are the sections on liver-function tests and micromethods in clinical chemistry. It is regrettable that greater recognition was not given to the microgasometric techniques developed by Scholander and coworkers.

Although nearly half of the 13th edition is devoted to textual material, it is probable that this book will continue to find its greatest use as a laboratory manual and reference for experimental biochemistry.

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## New Books

**Electroplating Engineering Handbook.** A. Kenneth Graham, Ed.; H. L. Pinkerton, Asst. Ed. Reinhold, New York 22, 1955. 650 pp. \$10.

**The Psychiatrist and the Dying Patient.** K. R. Eissler. International Universities Press, New York 11, 1955. 338 pp. \$5.

**Mosquitoes.** Their bionomics and relation to disease. William R. Horsfall. Ronald Press, New York 10, 1955. 723 pp. \$16.

**Proto-Lima.** A Middle period culture of Peru. A. L. Kroeber. Fieldiana: Anthropology, vol. 44, No. 1. Chicago Natural History Museum, Chicago, 1954. 157 pp. Paper, \$4.

**Laboratory Manual for Histology.** J. F. Smithcors. Burgess, Minneapolis 15, 1954. 101 pp. Paper, \$3.

**Proceedings of the Conference on Auroral Physics.** N. C. Gerson, T. J. Keneshea, and R. J. Donaldson, Jr., Eds. Geophysical Research Papers, No. 30. Sponsored by Dept. of Physics, Univ. of Western Ontario, and Geophysics Research Directorate, Air Force Cambridge Research Center, 1954 (Order from U.S. Dept. of Commerce, Office of Tech. Services, Washington 25). 450 pp.

**Le Magnétisme des corps célestes**, vol. 3, *Les Aurores polaires et la luminescence nocturne*. pt. IV of *Physique cosmique*. A. Dauvillier. Hermann, Paris, 1954. 142 pp.

**Abstracts of the Literature on Semiconducting and Luminescent Materials and Their Applications.** 1953 issue. Compiled by Battelle Memorial Inst. Wiley, New York 16; Chapman & Hall, London, 1955. 169 pp. Paper, \$5.

**National Advisory Committee on Research in the Geological Sciences, Fourth Annual Report 1953-54.** Including survey of current research in the geological sciences in Canada, 1953-54. Geological Survey of Canada, Dept. of Mines and Technical Surveys, Ottawa, 1954. 117 pp. Paper, \$0.50.

**Laboratory Explorations in General Zoology.** Karl A. Stiles. Macmillan, New York 11, ed. 3, 1955. 291 pp. Paper, \$3.75.

**Insanity, Art and Culture.** Francis Reitman. Philosophical Library, New York, 1954. 111 pp. \$3.75.

**Grundriss der Allgemeinen Zoologie.** Alfred Kuhn. Thieme, Stuttgart, Germany, ed. 11, 1955 (Order from Intercontinental Medical Book Corp., New York 16). 281 pp. \$3.95.

**Lectures on Partial Differential Equations.** I. G. Petrovsky. Trans. by A. Shenitzer. Interscience, New York-London, Engl. ed. 1, 1954. 245 pp. \$5.75.

**An Introduction to Plant Taxonomy.** George H. M. Lawrence. Macmillan, New York 11, 1955. 179 pp. \$3.25.

**The Language of Social Research.** A reader in the methodology of social research. Paul F. Lazarsfeld and Morris Rosenberg, Eds. Free Press, Glencoe, Ill., 1955. 590 pp. \$6.75.

**The Human Organisms.** Russell Myles De Coursey. McGraw-Hill, New York-London, 1955. 550 pp. \$5.75.

**Contributions to the Theory of Partial Differential Equations.** Annals of Mathematics Studies, No. 33. L. Bers, S. Bochner, and F. John, Eds. Princeton Univ. Press, Princeton, N.J., 1954. 257 pp. Paper, \$4.

**The Volcanic Rocks of the Ross Archipelago.** W. Campbell Smith. British Antarctic ("Terra Nova") Expedition, 1910, Natural History Rpt., Geology, vol. II, No. 1 British Museum (Natural History), London, S.W.7, 1954. 107 pp. Paper, £3.