

Although this procedure was investigated primarily for the synthesis of  $C^{13}$  labeled methanol, it should also be useful for the preparation of isotopic phosgene and perhaps other compounds. An important advantage of this method, particularly with  $C^{13}$ , is that there is no dilution of the

isotope concentration, as would occur in an exchange reaction.

THE RESEARCH INSTITUTE OF  
TEMPLE UNIVERSITY, PHILA., SIDNEY WEINHOUSE  
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MARCUS HOOK, PENNSYLVANIA

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## NEW BOOK

**Essentials of Physiological Chemistry.** By ARTHUR K. ANDERSON, Professor of Physiological Chemistry, The Pennsylvania State College. Third Edition. John Wiley and Sons, Inc., 440 Fourth Ave., New York 16, N. Y., 1947. vii + 395 pp. 38 figs. 15 × 23.5 cm. Price, \$3.50.

This excellent elementary text-book has been revised and reasonably well brought up to date. It can be recommended either for students taking a one semester course in biochemistry or for others who have had a satisfactory background of organic chemistry but who have not been able to take a formal course in biochemistry. The fundamental facts of biochemistry are set forth in an interesting manner. Good reviews of carbohydrates and lipids are presented. It is to be regretted, however, that no serious attempt has been made to give the student an adequate picture of the protein molecule as established by modern physical and chemical methods of investigation. The usual topics, such as enzymes, hormones, vitamins, metabolism and blood chemistry, have been handled well. In a later edition, it might be advisable to adopt uniformly the current method for representing the benzenoid ring. As is usual with any text-book, criticisms may be directed at certain statements; considering the excellence and general accuracy of the text, however, such criticisms become relatively unimportant.

HUGH J. CREECH

## BOOKS RECEIVED

November 10, 1947–December 10, 1947

ERNEST BALDWIN. "Dynamic Aspects of Biochemistry." The Macmillan Company, 60 Fifth Avenue, New York 11, N. Y. 457 pp. \$4.00.

CHARLES E. CLIFTON, Editor, SIDNEY RAFFEL AND H. ALBERT BARKER, Associate Editors. "Annual Review of Microbiology." Vol. I, 1947. Annual Reviews, Inc., Stanford University P.O., California. 404 pp.

RAYMOND E. KIRK AND DONALD F. OTHMER, Editors. "Encyclopedia of Chemical Technology." Volume I. "A to Anthrimides." The Interscience Encyclopedia, Inc., 215 Fourth Ave., New York 3, N. Y. 982 pp. \$20.00. (Complete in 10 volumes of approximately 960 pages per volume. Two to three volumes to appear per year.)

WALTER O. LUNDBERG. "The Hormel Institute of the University of Minnesota." Publication No. 20. "A Survey of Present Knowledge, Researches and Practice in the United States Concerning the Stabilization of Fats." Printed at the University of Minnesota, Minneapolis, Minn. 45 pp.

E. B. MAXTED. "Modern Advances in Inorganic Chemistry." The Oxford University Press, Inc., 2 West 17th St., New York 11, N. Y. 296 pp. \$7.00.

EDNA C. MORSE. "College Chemistry in Nursing Education." The Macmillan Company, 60 Fifth Ave., New York, N. Y. 260 pp. \$4.00.

GEORGE ROSEN AND BEATE CASPARI-ROSEN. "400 Years of a Doctor's Life." Henry Schuman, Publisher, 20 East 70th Street, New York 21, N. Y. 429 pp. \$5.00.

ALBIN H. WARTH. "The Chemistry and Technology of Waxes." The Reinhold Publishing Corporation, 330 West 42nd Street, New York 18, N. Y. 519 pp. \$10.00.