

oxidant consumption (in moles per mole of compound) at 120, 240 and 550 minutes, respectively: II, 2.55, 3.2, 4.0; III, 2.0, 2.4, 3.0; IV, 1.1, 1.6, 2.0. These data prove the presence in II of an  $\alpha$ -glycol which is not in III, and this  $\alpha$ -glycol is present in the streptamine moiety of II. The presence of such a glycol group indicates that streptobiosamine is attached at C4 of streptidine, thus con-

firming the results of Folkers and co-workers.<sup>9</sup>

DEPARTMENT OF CHEMISTRY  
THE OHIO STATE UNIVERSITY  
COLUMBUS, OHIO

M. L. WOLFROM  
W. J. POLGLASE<sup>10</sup>

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(9) F. A. Kuehl, Jr., R. L. Peck, C. E. Hoffhine, Jr., Elizabeth W. Peel and K. Folkers, *THIS JOURNAL*, **69**, 1234 (1947).

(10) Bristol Laboratories Research Fellow of the Ohio State University Research Foundation (Project 224).

## NEW BOOK

**The Chemistry of the Carbon Compounds.** BY VICTOR VON RICHTER. Edited by the late Professor Richard Anschütz. Vol. IV. "The Heterocyclic Compounds," By F. Reindel (translated by M. F. Darken) and "Organic Free Radicals" by Ludwig Anschütz (translated by A. J. Mee). Newly translated from the Twelfth German Edition. Elsevier Publishing Co., Inc., 215 Fourth Ave., New York 3, N. Y., 1947. xv + 498 pp. 14.5 × 22.5 cm. Price, \$12.00.

This volume is a literal translation of the sections on Heterocyclic Compounds and Free Radicals in the twelfth German edition of this celebrated treatise. The appearance of Volume IV makes the entire twelfth edition available in English. Users will find the new volume to be a concise and, except for the more recent work, a comprehensive guide to the literature of the subjects treated.

REYNOLD C. FUSON

## BOOKS RECEIVED

June 10, 1948—July 10, 1946

RALPH M. EVANS. "An Introduction to Color." John Wiley and Sons, Inc., 440 Fourth Avenue, New York 16, N. Y. 1948. 340 pp. \$6.00.

KENNETH A. KOBE. "Inorganic Process Industries." The Macmillan Company, 60 Fifth Avenue, New York, N. Y. 1948. 371 pp. \$6.00.

F. A. KROEGER. "Some Aspects of the Luminescence of Solids." Elsevier Publishing Company, Inc., 215 Fourth Avenue, New York 3, N. Y. 1948. 310 pp. \$5.50.

ROBERT J. MCLROY. "The Chemistry of the Polysaccharides." Longmans, Green and Co., Inc., 55 Fifth Avenue, New York, N. Y. 1948. 118 pp. \$2.50.

FRANCIS J. MURRAY. "The Theory of Mathematical Machines." Ring's Crown Press, New York, N. Y. 1948. 139 pp. \$3.00.

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W. W. PIGMAN AND R. M. GOEPP, JR. "Chemistry of the Carbohydrates." Academic Press, Inc., Publishers, 125 East 23rd Street, New York, N. Y. 1948. 748 pp. \$10.80.

W. A. WATERS. "The Chemistry of Free Radicals." Oxford University Press. 114 Fifth Avenue, New York 11, N. Y. 1948. 295 pp. \$6.50.

PHILIP W. WEST. "Calculations of Quantitative Analysis." The Macmillan Company, 60 Fifth Avenue, New York, N. Y. Copyright 1947 and 1948. 162 pp. \$2.75.