CONTENTS

X-Ray, Electron, and Neutron Diffraction: C. G. Shull and E. O. Wollan 69

Association Affairs

Centennial Celebration Notes ........................................ 76

News and Notes .................................................................. 78

Comments and Communications ......................................... 82

Technical Papers

Insecticidal Activity of 2,2-bis-(2-Chloroethenyl)-1,1,1-Trichloroethane:
Robert L. Metcalf .......................................................... 84

A Theory of Herbicidal Action: A. S. Crafts ......................... 85

Progestosterone in Blood Plasma of the Ovulating Hen:
Richard M. Fraps, Charles W. Hooker, and Thomas R. Forbes 86

Phosphorylase in Guard Cells:
H. C. Yin and Y. T. Tang .................................................. 87

Inadequacy of Proteolytic Enzyme Inhibition as
Explanation for Growth Depression by Lima
Bean Protein Fractions: A. A. Klose,
J. D. Greaves, and H. L. Fevold ....................................... 88

In the Laboratory

A Device for Obtaining a Continuous Record of
Body Temperature From the External Auditory Canal:
Roger J. Williams and Roy C. Thompson ......................... 90

Use of X-Ray and Electron Diffraction as Methods of Analysis in Biochemical Chromatography:
C. L. Christ, C. L. Burton, and M. C. Botty ...................... 91

The Fumarate Content of Certain Tissues of the Rat as Determined by Partition Chromatography:
Lawrence M. Marshall, James M. Orien, and Arthur H. Smith 92

Apparatus for Semimicro Electrodialysis:
Kari F. Urbach and Jerry J. Svars ..................................... 93

Book Reviews

The science of plastics: a comprehensive source
book based on the original literature for 1942-1946. (Vol. 1):
H. Mark and E. S. Proksauer. (Eds.)
Reviewed by George H. Brother ........................................ 94

Scientific Book Register .................................................. 94

(Cover photo by courtesy of Woods Hole Oceanographic Institution.)
Science 108 (2795), 69-94.