The History of Oxygen:
Malcolm Dole ........................................................................... 77

On the Origin of the Chemical Elements: D. ter Haar ........................................... 81

Technical Papers
The Influence of Thyroid and Thiouracil on Mice Exposed to Roentgen Radiation:
Henry C. Blount, Jr., and Willie W. Smith ........................................ 83

A Method for Studying Growth in Different Groups of Arthropods: Curtis L. Newcombe ........................................... 84

Cultivation of the Lansing Strain of Poliomyelitis Virus in Cultures of Various Human Embryonic Tissues:
John F. Enders, Thomas H. Weller, and Frederick C. Robbins ................. 85

Insect Vectors of Phony Peach Disease:
William F. Turner ........................................................................ 87

Inhibition of the Adenosinetriphosphatase Activity of Preparations of Myosin:
Francis Binkley ........................................................................... 88

Comments and Communications
In Support of Michurin's Biological Theory in Higher Institutions of Learning; Instruments for Recording Blood Pressure; Requesting Reprints From Abroad ........................................ 90

In Memoriam
Robert G. Green: Peyton Rous ................................................................... 93
Robert Tracy Jackson: Joseph A. Cushman ........................................ 93

Association Affairs
AAAS Officers—1949 .................................................................... 94

Books Reviews
Lehrbuch der inneren Sekretion: F. Verzár. Reviewed by Theodore Koppányi ........................................................................ 95
Crop management and soil conservation. (2nd ed.): Joseph F. Cox and Lyman E. Jackson; Farms soils: their management and fertilization. (4th ed.): Edmund L. Worthen. Reviewed by Charles E. Kellogg ........................................................................ 95

Scientific Book Register ..................................................................... 96

News and Notes ............................................................................. 97