Contents

Insects as Experimental Material: Kenneth D. Roeder .......................... 275

News and Notes
European Congress of Nobel Prize Winners in Medicine:
William P. Murphy .......................................................... 280

Technical Papers
Charge Distribution in Nuclei from X-Ray Fine Structure:
A. L. Schawlow and C. H. Townes ........................................ 284

An Artificial Kidney—A Simplified Apparatus:
John R. Guarino and Louis J. Guarino ................................. 285

Blood Factors in the Nutrition of Trypanosoma cruzi:
W. L. McRary, E. R. Noble, and E. L. Tondevold ......................... 288

The Archaeological and Paleontological Salvage Program
at the Medicine Creek Reservoir, Frontier County,
Nebraska: E. Mott Davis and C. Bertrand Schultz .................. 288

Antagonistic Action of Uracil, Thiouracil, and Thiourea
on Reticulocyte Ripening: Alphonse Nizet ............................ 290

Some New Synthetic Estrogens: H. Rinderknecht and
L. W. Rowe ............................................................................. 292

Comments and Communications
“Attraction Fields” between Growing Tissue Cultures:
Paul Weiss and Allan A. Katzberg ........................................ 293

Root-Grafting in Tropical Trees: Carl D. LaRue ......................... 296


Scientific Research in Australia ............................................. 3
Meetings & Conferences ....................................................... 16
Publications Received .......................................................... 18

AMERICAN ASSOCIATION FOR THE
ADVANCEMENT OF SCIENCE