Contents

War on Weeds: E. M. Hildebrand .................................. 465, 492
Plant Growth Regulators: Special Projects Division, Chemical Warfare Service ....... 469

OBITUARY
John Campbell Merriam: Chester Stock ............... 470

TECHNICAL PAPERS
Use of 2,4-Dichlorophenoxyacetic Acid as a Selective Herbicide in the Tropics: J. van Overbeek and Ismael Velás ............ 472
Control of Ragweed Pollen Production with 2,4-Dichlorophenoxyacetic Acid: Frederick G. Smith, Charles L. Hamner, and Robert F. Carlson .................. 473
Rapid Estimation of the Phytocidal Action of Chemicals: H. E. Oford .............. 474
Tributyl Phosphate as a Solvent for Preparing Concentrated and Oil-miscible Solutions of 2,4-Dichlorophenoxyacetic Acid and Similar Substances: W. B. Ennis, Jr., H. E. Thompson, and H. H. Smith ...... 476
Treatment of Muck and Manure with 2,4-Dichlorophenoxyacetic Acid to Inhibit Germination of Weed Seeds: C. L. Hamner, J. E. Moulton, and H. B. Tukey 476
Herbicidal Action of 2,4-Dichlorophenoxyacetic Acid on the Water Hyacinth Eichornia crassipes: E. M. Hildebrand ............ 477

SCIENCe LEGISLATION
Selected Service and Student Personnel: Howard A. Meyerhoff ............. 479
U. S. NEWS AND NOTES ........................................... 480
INTERNATIONAL NEWS ............................................. 482
IN THE LABORATORY
Inhibition of Fungus Respiration: A Metabolic Bioassay Method: Walter J. Nickerson ............ 484

LETTERS TO THE EDITOR
Effects of New Herbicides on Fish: Joseph E. King and William T. Penfound ............ 487
Some Reflections on the Cause of Heat and Cold: Anatol J. Schneiderov ............. 487
Science in the Albuquerque High School: E. E. Harrington .................. 487
More Reversed Winter Flounders: J. C. Medcalf .......... 488
A Circular Slide Rule: J. E. Dempster ............. 488
Reply to Prof. Chamberlain: Robert Kerr Dewar 488

BOOK REVIEWS
Two-way radio: Samuel Freedman. Reviewed by Frederick W. Grover .......... 490

Communications relative to advertising should be addressed to Theo. J. Christensen, Massachusetts and Nebraska Avenues, Washington 16, D. C.
Communications relative to membership in the Association and to all matters of business of the Association should be addressed to the Permanent Secretary, A.A.A.S., Smithsonian Institution Building, Washington 25, D. C.
Annual subscription, $6.00. Single copies, 15 cents