## WEEDS

## JOURNAL OF THE WEED SOCIETY OF AMERICA

## **CONTENTS**

Page

Weed Control—A Record of Achievement. K. P. Buchholtz Physiological Responses of Plants to Herbicides. J. van Overbeek The Germination of Weed Seeds. Lela V. Barton
Recent Advances in Witchweed Control. W. C. Shaw, D. R. Sheperd, E. F. Rob- inson, and Paul Sand
Weed Control Practices and Research for Sugar Cane in Hawaii. Noel S. Hanson
Weeds and Man in Latin America. E. J. Wellhausen Establishment of Nutsedge from Space-Planted Tubers. Ellis W. Hauser
Effects of Soil Properties on EPTC Phytotoxicity. L. S. Jordan and B. E. Day Grass Seed Production as Influenced by Chemical Control of Downy Brome. C. L. Canode, W. C. Robocker, and T. J. Muzik
Selective Herbicidal Action of Amiben on Cucumber and Squash. Ralph S. Baker and G. F. Warren
Competition Between Peas Grown for Processing and Weeds. D. C. Nelson and R. E. Nylund.
Interference of Herbicides with the Hill Reaction of Isolated Chloroplasts. D. E. Moreland and K. L. Hill.
Replanting Cotton Treated Preemergence with Diuron. J. T. Holstum, Jr. and C. G. McWhorter
Response of Ironweed to Mowing and 2,4-D. M. K. McCarty and D. L. Linscott Action of Polysulfide Ion on Simazine in Soil. Paul Castelfranco and Deborah B. Deutsch
Notes:
Germination of Three Coniferous Species after Treatment with Simazine. R. Grover
Basal Treatments for Control of Salmonberry. Robert W. Madison and Virgil H. Freed
Weed Seed in Irrigation Water. Hollis Shull
Entry of 2,4-Dichlorophenoxyacetic Acid into Lambkill Leaves at Various 2,4-D/Tween 20 Ratios. D. H. Webster
Minutes of Business Meeting and Committee Reports, Weed Society of America Meeting, December 11, 12, 13, and 14, 1961
Report of the Terminology Committee, Weed Society of America
Sustaining Members

VOLUME 10 JULY 1962 NUMBER 3 WEEDS

Issued Quarterly by the Weed Society of America

C. J. WILLARD, Editor, Department of Agronomy, The Ohio State University, 1827 Neil Ave., Columbus 10, Ohio

F. W. SLIFE, Business Manager, Department of Agronomy, University of Illinois, Urbana, Illinois

## **EDITORIAL COMMITTEE**

A. S. CRAFTS, Department of Botany, University of California, Davis, California

R. A. PETERS, Department of Plant Science, University of Connecticut, Storrs, Connecticut

W. C. ROBOCKER, Crops Research Division, ARS, USDA, State College of Washington, Pullman, Washington

D. W. STANIFORTH, Department of Botany and Plant Pathology, Iowa State University, Ames, Iowa

R. P. UPCHURCH, Department of Field Crops, North Carolina State College, Raleigh, North Carolina

WEEDS is a quarterly journal published by the Weed Society of America. The subscription price is \$10.00 yearly for four issues; single copies \$2.50.

Address all communications regarding subscriptions, advertising, and reprints to F. W. Slife, Department of Agronomy, University of Illinois. All checks, money orders, and other remittances should be made payable to the Weed Society of America.

The editorial office is located at Department of Agronomy, The Ohio State University, 1827 Neil Avenue, Columbus 10, Ohio. Inquiries concerning manuscripts and other material for publication should be addressed to the editorial office.

Printing is by the W. F. Humphrey Press, Inc., Geneva, New York.

Entered as second-class matter at the post office at Urbana, Illinois with additional entry at Geneva, New York.