

# JOURNAL OF AQUATIC PLANT MANAGEMENT

A Publication of the Aquatic Plant Management Society, Inc.  
(Formerly The Hyacinth Control Journal)  
Post Office Box 2237—Fort Myers, Florida 33902

## TABLE OF CONTENTS

Presidential Address, Ray A. Spirnack .....	1
Aquatic Weed Problems in Puerto Rico, Edward O. Gangstad .....	3
Waterhyacinth Control on the Lower Fitzroy River, G. I. Jamieson, C. Kershaw, and R. J. Ciesiolka .....	5
Waterhyacinth Control Plan for the St. Johns River, Charles F. Zeiger and James T. McGehee .....	10
Costs and Productivity in Harvesting of Aquatic Plants, Richard G. Koegel, Donald F. Livermore, and Hjalmer D. Bruhn .....	12
Selected Life Cycle Features of Fanwort, David P. Tarver and Dana R. Sanders, Sr. ....	18
Effects of Consecutive Water Fluctuations on Submersed Vegetation of Black Lake, Louisiana, Terry L. Goldsby and Dana R. Sanders, Sr. ....	23
Effects of Light Quality on Growth and Chlorophyll Composition in Hydrilla, T. K. Van, W. T. Haller, G. Bowes, and L. A. Garrard .....	29
Adaptation to Low Light Levels by Hydrilla, George Bowes, T. K. Van, L. A. Garrard, and W. T. Haller .....	32
The Effects of Calcium Salts on the Growth and Uptake of Phosphorus by Coontail, Ted R. Batterson .....	36
Management of Aquatic Plants with Acrolein, Kathleen H. Bowmer and G. R. Sainty .....	40
The Effects of Selected Herbicides on Phytoplankton and Sulfur Bacteria Populations, C. C. Carter and R. S. Hestand .....	47
Acute Toxicity of a Herbicidal Combination of Diquat Plus Copper Ion to Eggs, Alevins, and Fry of Rainbow Trout and Two Aquatic Macroinvertebrates, Richard R. Yeo and Nathan Dechoretz .....	57
Succession of Various Aquatic Plants After Treatment With Four Herbicides, R. S. Hestand and C. C. Carter .....	60
Relationship of Regrowth of Aquatic Macrophytes After Treatment With Herbicides to Water Quality and Phytoplankton Populations, C. C. Carter and R. S. Hestand .....	65
Restoration of Water Quality in Lake Weston, Orlando, Florida, John M. Bateman, P.E. and Robert L. Laing .....	69
Aquatic Herbicide Chronicity, S. A. Quinn, N. F. Cardarelli, and E. O. Gangstad .....	74
Residual 2,4-D Levels in the St. Johns River, Florida, Joseph C. Joyce and Harish C. Sikka .....	76
Herbicides Used In and Around Water for Management of Aquatic Vegetation ..	83
Membership List .....	85