# Program

## FUTURE MEETING SITES

EIGHTEENTH ANNUAL MEETING

1979 - Chattanooga Choo-Choo Chattanooga, Tennessee U.S.A. July 15-18 THE AQUATIC PLANT MANAGEMENT SOCIETY, INC.

1980 - Ramada Inn
Fort Walton Beach, Florida
U.S.A.
July 13-16

1981 - Downtown Holiday Inn Jackson, Mississippi U.S.A. July 12-15

1982 - Caesars Palace Las Vegas, Nevada U.S.A. July 18-21

1983 - Site to be Selected by Florida Chapter July 17-20



JACKSONVILLE HILTON
Jacksonville, Florida
July 9-12, 1978
Sunday through Wednesday

### BOARD OF DIRECTORS 1977-78

**OFFICERS** 

Donald V. Lee, President Louisiana Wildlife & Fisheries 636 Maxine Drive Baton Rouge, Louisiana 70808

Julian J. Raynes, First Vice President United States Army Corps of Engineers 1567 Knob Hill Drive, N.E. Atlanta, Georgia 30329

William N. Rushing, Second Vice President United States Army Corps of Engineers Post Office Box 631 Vicksburg, Mississippi 39180

Robert W. Geiger, Past President The 3M Company Post Office Box 460 Noblesville, Indiana 46060

Brandt G. Watson, Treasurer Collier Mosquito Control District Post Office Box 7069 Naples, Florida 33940

David L. Sutton, Editor
University of Florida
3205 S. W. 70th Avenue
Fort Lauderdale, Florida 33300

T. W. Miller, Jr., Secretary
Lee County Hyacinth Control District
Post Office Box 2237
Fort Myers, Florida 33902
DIRECTORS

Leslie E. Bitting, Sr.
Old Plantation Water Control District
8800 N. New River Canal Road
Plantation, Florida 33324

Roy P. Clark
U. S. Environmental Protection Agency
1421 Peachtree Street, N.E.
Atlanta, Georgia 30309

James A. Foret
University of Southwestern Louisiana
Post Office Box 4-4492
Lafayette, Louisiana 70504

Harry McGill
General Development Corporation
Post Office Box 2507
Port Charlotte, Florida 33952

George Suciu

Zero Defects Design Limited

Box 74 - Montreal, P. Q. H3P 3B8

Canada

Nelson Virden
Virden Weed Control Service
Route 3, Box 414
Jackson, Mississippi 39213
NEWSLETTER EDITOR

L. V. Guerra Texas Parks & Wildlife Department 134 Braniff San Antonio, Texas 78204

# THE PROGRAM

☆

of
THE AQUATIC PLANT MANAGEMENT
SOCIETY, INC.
July 9-12, 1978
Jacksonville Hilton
Jacksonville, Florida

## SUNDAY, JULY 9, 1978

Board of Directors—Duval Room B 12:00 noon Luncheon—1:30 P.M. Meeting of the Board

3:00 - 6:00 P.M. Registration - Lobby 6:30 - 7:30 P.M. Reception - Plantation Room Registration Required for Admission

## MONDAY, JULY 10, 1978

8:00 A.M. - 5:00 P.M. Registration - Lobby Commercial Exhibits -Gator Room

## GENERAL SESSION

9:00 A.M. - 12:00 Noon Arcadia Room ding: Donald V. Lee. Presider

Presiding: Donald V. Lee, President The Aquatic Plant Management Society, Inc.

9:00 A.M. Call to Order
9:05 A.M. Invocation: Robert J. Gates,
Past President
9:10 A.M. Presidential Address:
Donald V. Lee, President

Invitational Addresses

9:30 A.M.

"An Engineer Looks at Aquatic
Plant Management" - B. G. Drake
Wilson, Deputy Director, Civil Works,
U.S. Army-Corps of Engineers, Department of the Army, Washington, D.C.

"EPA Update" - Douglas D. Campt,
Director

Registration Division, Environmental Protection Agency, Washington, D.C.

## INTERNATIONAL SESSION

10:15 A.M. - 12:00 Noon Arcadia Room

Presiding: Lou V. Guerra Texas Parks & Wildlife Department San Antonio, Texas

"Aquatic Plant Management Program -10:15 A.M. British Columbia" - Dr. Peter R. Newroth, Water Investigations Branch, British Columbia Ministry of the Environment, Victoria, British Columbia, Canada

"The Invasion of the Nile River by the 10:30 A.M. Waterhyacinth" - M. Tag El Seed, University of Khartoum, Sudan

"The Chinampa: Agricultural System 10:45 A.M. that Utilizes Aquatic Plants" - Antonio Lot, Alejandro Novelo & Agustin Quiroz, Instituto De Investigaciones Sobre Recursos Bioticos, Mexico, D.F.

"Elodea canadensis in the Irrigation 11:00 A.M. Areas of South-East Australia" Kathleen H. Bowmer & G. R. Sainty, CSIRO Division of Irrigation Research and Water Resources Commission, Griffith, Australia.

"Management of Elodea in the 11:15 A.M. Irrigation of South-East Australia" -Kathleen H. Bowmer, G.R. Sainty, G. Smith & K. Shaw, CSIRO Division of Irrigation Research, Griffith, Australia and Water Resources Commission, Finley, Australia

"A Survey of Organisms Impacting 11:30 A.M. Waterhyacinth in the Panama Canal Zone Prior to the Release of Sameodes albiguttalis" - R. F. Theriot, D. R. Sanders, USAE Waterways Experiment Station, Aquatic Plant Research Branch, Vicksburg, Mississippi

11:45 - 12 Noon Discussion

### GENERAL SESSION

1:30 P.M. - 5:00 P.M. Arcadia Room

Presiding: George Suciu, Zero Defects Design Limited, Montreal, Canada

1:30 P.M. "Changes in Florida's Aquatic Plant Control Program" - William L. Maier, Florida Department of Natural Resources, Tallahassee, Florida

1:45 P.M. "Obnoxious Aquatic Plants in Georgia" Wayne Thomaston, Department of Natural Resources, Game and Fish Commission, Fort Valley, Georgia

2:00 P.M. "A Prevention and Contingency Control Plan for Hydrilla" - A. Leon Bates, Terry L. Goldsby and W. Michael Dennis, Tennessee Valley Authority, Division of Environmental Planning, Muscle Schoals, Alabama

2:15 P.M. "Arthropods Attacking Salviniaceae in Southern Florida: A Preliminary Report" - Dr. Ernest S. Del Fosse, Lee County Hyacinth Control District, Fort

Myers, Florida

2:30 P.M. "Storage and Retrieval of Aquatic Herbicide Information" - Dr. V. V. Vandiver, Jr. and Dr. D. L. Sutton, Institute of Food and Agricultural Sciences, University of Florida, Fort Lauderdale, Florida

2:45 P.M. "Okauchee Lake: A Case History of Lake Management" Sarah B. Bausch and James Schmidt, Applied Biochemists, Inc., Mequon, Wisconsin

3:00 P.M. Refreshment Break

3:15 P.M. "Aeration Efficiency as a Means of Comparing Devices for Lake Restoration" - Joseph E. Carr and Dean F. Martin, Department of Chemistry, University of South Florida, Tampa, Florida

3:30 P.M. "Using Tilapia zillii Fish for Aquatic Weed Control" - Thomas Camp, Aquatic Management Company, Division of Eco-Systems Inc., Glendale, Arizona

3:45 P.M. "A New Measurement and Evaluation Tool for Submerged Aquatics" - Lou V. Guerra, Texas Parks & Wildlife Department, San Antonio, Texas

4:00 P.M. "Pesticide Registration and Applicator Certification" - Ray Spirnock, Florida Department of Agriculture, Tallahassee, Florida

4:15 P.M. "The Role and Impact of Introduced Grass Carp (Ctenopharyngodon idella Val.) in the Union of Soviet Socialist Republics and Several Other European Countries" - W. W. Miley, II and Dr. D. L. Sutton, Florida Department of Natural Resources, Tallahassee, Florida and University of Florida, Ft. Lauderdale, Florida.

4:30 P.M. 4:45 - 5:00 P	"Regional and State Role in the Rebut- table Presumption Against Regis- tration (RPAR) Process" - Sam S. Fluker, EPA, Atlanta, Georgia .M. Discussion	1:30 P.M.	"Current Research on a Selective Control for Carp (Cyprinus carpio) - Ralph M. Burress, Phillip A. Gilderhus, Lief L. Marking and Donald P. Schultz, Fish Control Laboratories, Warm Springs, Georgia and La Crosse, Wisconsin
		1:45 P.M.	"Effect of Grass Carp on Vegetation
TUESDAY, JULY 11, 1978			and Water Quality in Four Experimental Ponds" - John A. Osborne,
8:00 A.M 5	6:00 P.M. Registration - Lobby Commercial Exhibits - Gator Room	2:00 P.M.	Department of Biological Sciences, Florida Technological University, Orlando, Florida "The Use of Remote Sensing for Determining Effectiveness and Planning of Aquatic Plant Control Operations in the
Presiding	GENERAL SESSION  8:30 A.M 11:00 A.M.  Arcadia Room g: John Gallagher, Amchem Company,  Ambler, Pennsylvania		Tennessee Valley" - Terry L. Goldsby, A. Leon Bates and W. Michael Dennis, Tennessee Valley Authority, Division of Environmental Planning Muscle Shoals, Alabama
8:30 A.M. 9:00 A.M.	"Pesticides - A Closer Look" - Dennis Hale, Dow Chemical Company, Atlanta, Georgia "What If" - Panel Discussion	2:15 P.M.	"Monitoring Eurasian Watermilfoil with Color Infrared Aerial Photoggraphy, 1977-78" - Wallace W. Snell, Arthur R. Benton, Carolyn Clark, Remote Sensing Center, Texas A & M University, College Station, Texas
	John Gallagher - Amchem Company,  Donald V. Lee - Louisiana Wildlife  and Fisheries  Edward O. Gangstad - Corps of  Engineers	2:30 P.M.	"Cutgrass (zizaniopsis miliacea) Clipping for Sustained Harvest or Control" J. B. Birch, Institute of Ecology, University of Georgia, Athens, Georgia
	Roy Clark - EPA Ray Spirnock - Florida Department of Agriculture Pete Pederson - Chevron Chemical	2:45 P.M.	"Residue Studies of 2, 4-D in Fish" - E. O. Gangstad, Corps of Engineers, Washington, D.C.
	Company 5 A.M. Discussion Refreshment Break	3:00 P.M.	"Effects of Product Design on Con- trolled Release Herbicide" - G. A. Janes, Creative Biology Laboratory, Inc., Barberton, Ohio
Pre	UAL BUSINESS MEETING 11:00 A.M 12:00 Noon esiding: Donald V. Lee, President	3:15 P.M.	"Association of Epiphytic Bacteria with the Annual Decline of Hydrilla" - R. Howard Berg, L. A. Garrard, Dr. W. T. Haller, Botany Department and Agron- omy Department, IFAS, University of Florida, Gainesville, Florida
	uatic Plant Management Society, Inc.  Recess For Lunch	3:30 P.M. 3:45 P.M.	Refreshment Break "Comparative Algicide Evaluation Using Laboratory and Field Algae" -
Presiding:	RESEARCH SESSION  1:30 P.M 5:00 P.M.  Apollo Room  Ron A. Stanley, EPA, Washington, D.C.	4:00 P.M.	Dr. George P. Fitzgerald and Dr. Daniel F. Jackson, Florida International University, Miami, Florida "Hydrilla Tuber Formation in Response to Growth Regulators" - T. K. Van, L. A. Garrard and W. T. Haller, Agronomy

Department, University of Florida, Gainesville, Florida

"Uptake of Inorganic Nutrients by 4:15 P.M. Hydrilla verticillata (L.F.) FOYLE" -Fouad M. Basiouny, W. T. Haller and L. A. Garrard, University of Florida, Gainesville, Florida

"The Influence of Microclimate on Net 4:30 P.M. Carbon Flux in Eichhornia" - Gary D. Stough, Botany Department, University of Nevada, Las Vegas, Nevada

"The Influence of Culture Solution 4:45 P.M. Water Potential on Net Production in Eichhornia" - Gary D. Stough, Botany Department University of Nevada, Las Vegas, Nevada

4:45-5:00 P.M. Discussion

## FOURTH ANNUAL STUDENT PAPER CONTEST

1:30 P.M. - 3:30 P.M. Arcadia Room

Presiding: Dr. Ernest S. Del Fosse, Lee County Hyacinth Control District Fort Myers, Florida

Introduction 1:30 P.M.

"Inhibition of Hydrilla Growth by Ex-1:40 P.M. tracts Prepared from Lake Sediments" -Patricia M. Dooris and Dean F. Martin, Departments of Biology and Chemistry, University of South, Tampa, Florida

"Ecology of Utricularia in the 1:50 P.M. Okefenokee Swamp" - Robert W. Bosserman, Institute of Ecology, University of Georgia, Athens, Georgia

"Distribution of Floodwater Mosquito 2:00 P.M. Eggs in a Partially Wooded, Michigan Lowland" - John R. Cassani and Roger G. Bland, Department of Biology, Central Michigan University, Mt. Pleasant Michigan

"Accumulation of Kepone® By 2:10 P.M. Aquatic Macrophytes" -K. A. Langeland, S. W. Bingham and J. Swader, Department of Plant Pathology and Physiology, Virginia Polytechnic Institute and State Univer-

"The Effects of Waterhyacinths on the 2:20 P.M. Environment Physicochemical Grassy Pond, Georgia" - Stephen P. Schreiner, Department of Zoology, Clemson University, Clemson, S.C.

sity, Blacksburg, Virginia

2:30 P.M. "Aquatic Insect - Aquatic Plant Relationships in Meginnis Arm, Lake Jackson" - Harry M. Savage, Thomas J. Fink and Sarah Fuller, Laboratory of Aquatic Entomology, Florida A & M University, Tallahassee, Florida

"Seasonal Differences in the Photosyn-2:40 P.M. thesis and Biomass of Hydrilla" - Scott Holaday, George Bowes and William Haller, Departments of Botany and Agronomy, University of Florida, Gainesville, Florida

2:50 P.M. "Aeration as a Nutrient Alteration Technique to Improve Water Quality and Control Aquatic Weed Growth" -Thomas N. Cooley, Patricia M. Dooris and Dean F. Martin, Departments of Biology and Chemistry, University of South Florida, Tampa, Florida

3:00 - 3:30 P.M. Discussion

## AQUATIC HARVESTING SESSION

3:45 P.M. - 5:00 P.M.

Arcadia Room

Presiding: William N. Rushing, U.S. Army Corps of Engineers, Vicksburg, Mississippi

"Development and Performance of 3:45 P.M. Waterhyacinth Crimping Harvesters" -Larry O. Bagnall, Agricultural Engineering Department, University of Florida, Gainesville, Florida

4:00 P.M. "Effects of Mechanical Cutting on Submersed Vegetation in a Louisiana Lake" - Robert E. Johnson, Louisiana Department of Wildlife and Fisheries, Tioga, Louisiana

4:15 P.M. "Mechanical Hydrilla Control - Orange Lake, Florida" - James T. McGehee, Corps of Engineers, Jacksonville, Fla.

"What's New in Harvesting?" -4:30 P.M. C. Brate Bryant, Aquamarine Corporation, Waukesha, Wisconsin

4:45 - 5:00 P.M. Discussion



## RESEARCH SESSION

WEDNESDAY, JULY 12, 1978

8:30 A.M. - 10:45 P.M.
Apollo Room
Presiding: Edward O. Gangstad,
Corps of Engineers
Springfield, Virginia

8:30 A.M.

"Seed Anatomy and Germination of

# Tuesday Evening July 11, 1978

6:30 P.M.

# Reception

Plantation Room

7:45 P.M.

# Annual Banquet

Ballroom

Speaker
Jo Ann Dunaway Zeiger
The Psychic Mystique
(Demonstration)



O * OO Y T * TITE *	Dood removed, and commended or
	Edeocharis coloradoensis" - Richard R.
	Yeo, U. S. Department of Agriculture,
	Davis, California
8:45 A.M.	"Germination and Survival of Seeds
	and Tubers of the Aquatic Weed Com-
	petitor, Eleocharis coloradoensis" -
	Richard R. Yeo, U. S. Department of
	Agriculture, Davis, California
9:00 A.M.	"Fluridone, A New Herbicide for
	Aquatic Plant Management" - Max C.
	McCowen, C. L. Young, S. D. West, S.
	J. Parks and Dr. W. R. Arnold, Lilly
	Research Laboratories, Division of Eli
	Lilly and Company, Greenfield Indiana
9:15 A.M.	'Fluridone - A New Aquatic Herbicide'' -
	Dr. Wendel R. Arnold, Lilly Research
	Laboratories, Greenfield, Indiana
9:30 A.M.	"Evaluation of Two Bottom-Applied
	Fluoridone Formulations for the Con-
	trol of Hydrilla in Gatun Lake, Panama
	Canal Zone" - D. R. Sanders, F. F.
	Theriot, Dr. W. R. Arnold, LTC P.
	E. Custer, Waterways Experiment
	Station, Eli Lilly Company and Panama
	Canal Company, Vicksburg, Mississip-
	pi, Boynton Beach, Florida, Balboa Heights, Panama Canal Zone
	Heights, Fallatha Callai Zone
9:45 A.M.	"Environmental and Chemical Control
	of Growth and Development of Proser-
	pinaca" - Michael E. Kane and Luke S.
	Albert, Tampa Bay Regional Planning
	Council and Department of Botany,
	University of Rhode Island, St. Peters-

10:15 A.M. "Bulk Mechanical Properties of Waterhyacinth" - Larry O. Bagnall, Agricultural Engineering Department, University of Florida, Gainesville, Florida

10:30 A.M. "Experimental Use of Diquat in Guntersville Reservoir" - Terry L. Goldsby, A. Leon Bates and W. Michael Dennis, Tennessee Valley Authority, Division of Environmental Planning, Muscle Shoals, Alabama

10:30 - 10:45 A.M. Discussion

## FIELD OPERATIONS

8:30 A.M. - 10:45 A.M.
Arcadia Room
Presiding: Robert P. Blakeley,
Old Plantation Water Control District
Plantation, Florida

8:30 A.M. "Operational Collection and Release of Waterhyacinth Weevils" - Charles F. Zeiger, Aquatic Plant Control Section, Operations Division, U. S. Army Corps of Engineers, Jacksonville, Florida

8:45 A.M. "Establishment of Hyacinth Weevil Populations in Louisiana" - James H. Manning, Louisiana Department of Wildlife and Fisheries, Baton Rouge, Louisiana

9:00 A.M.

"A Comparison of Herbicides and the Grass Carp for Controlling Hydrilla Regrowth" - Dr. David L. Sutton, Dr. V. V. Vandiver, Jr. and L. E. Bitting, University of Florida, Agricultural Research Center and the Old Plantation Water Control District, Fort Lauderdale, Florida and Plantation, Florida

9:15 A.M.

"A Versatile Aquatic Spray System" Robert D. Blackburn and Ken E. Wanner, Joyce Environmental Consultants,
Inc. and Minnesota Wanner Company,
Casselberry, Florida and Minneapolis,
Minnesota

9:30 A.M. "Use Techniques of Polymers" - George E. Wortley, Jr., Nalco Chemical Company, Longwood, Florida

9:45 A.M. "The Use of Multiple Inversion and Clean-Flo Lake Cleanser in Controlling Aquatic Plants" - Clean-Flo Laboratories, Inc. Hopkins, Minnesota

10:00 A.M. "Organic Muck Removal Through Multiple Inversion" - Robert L. Laing, Clean-Flo Laboratories, Inc., Hopkins, Minnesota

10:15 A.M. "Effects of Water Fluctuation on Lake Miccosukee, 1977" - David P. Tarver, Florida Department of Natural Resources Bureau of Aquatic Plant Research and Control, Tallahassee, Florida

10:30 A.M. "The Use of Polymers in the Application of Aquatic Herbicides" - Robert J. Gates, Southwest Florida Water Management District, Brooksville, Florida

10:30 - 10:45 A.M. Discussion

## FINAL BUSINESS MEETING

11:00 A.M. - 11:30 A.M.
Arcadia Room
Presiding: Donald V. Lee, President
The Aquatic Plant Management Society, Inc.

11:30 A.M. Adjourn Eighteenth Annual Meeting

\* \* \* \* \*

#### Board of Directors—Duval Room B

12:00 Noon Luncheon 1:30 P.M. Meeting of the Board

### American Society for Testing and Materials

1:30 P.M. - 5:30 P.M. Duval Room A

Presiding: Ron A. Stanley, EPA, Washington, D.C.

Subcommittee on Aquatic Plant Control Agents of the Committee on Pesticides (E-35.14)

Task Groups Will Work on 3 Proposed Methods:

- 1. Field Trials in Standing Water
- 2. Screening Method for Phytotoxicity
- 3. Scuba Diving Observations of Aquatic Plant Plants

Other Methods Will Be Covered If Time And Interest Are Available

## **BYLAWS**

THE AQUATIC PLANT MANAGEMENT SOCIETY, INCORPORATED (A Corporation not for profit)

#### ARTICLE I

The name of this Society shall be THE AQUATIC PLANT MANAGEMENT SOCIETY, INCORPORATED.

#### **ARTICLE II**

The principal place of business shall be located at such place as the Board of Directors may decide.

#### ARTICLE III

#### **OFFICERS**

Section A. The Officers of the Society shall be President, First Vice President Elect, Second Vice President, Secretary, Treasurer and Editor.

The Board of Directors of this Society shall consist of not more than thirteen members and shall include the active officers of the Society.

Section B. President. The President shall preside at all business meetings of the Society, annual and special, and at all meetings of the Board of Directors. He shall maintain and exercise general supervision over the affairs of the Society, subject to the authority of the Board of Directors, and shall discharge such other duties as usually pertain to the office of the President. Upon completion of his term in office he shall become a Director at Large for one year.

Section C. President Elect. The First Vice President Elect shall exercise the powers and perform the duties of the President in the absence or disability of the President, or in case of a vacancy in the office of the President. He shall also perform such duties as may be assigned to him by the President or the Board of Directors.

Section D. Vice President. The Second Vice President shall exercise the powers and perform the duties of the First Vice President Elect in the absence or disability of the First Vice President Elect, or in case of a vacancy in the office of the President. He shall also perform such duties as may be assigned to him by the President or the Board of Directors.

Section E. Secretary. The Secretary shall keep full

and correct minutes of all meetings of this Society and of the Board of Directors. He shall be responsible for

the maintenance of membership records and shall issue notices of meetings and shall conduct such part of the correspondence of the Society as is usually conducted by the Secretary of similar organizations.

Section F. Treasurer. The Treasurer shall collect and receipt all dues, assessments and other income. He shall deposit promptly all funds of the Society in such depository as shall be approved and designated by the Board of Directors. Checks in payment of obligations of this Society shall be signed by the Treasurer. He shall, under the direction of the Board of Directors, pay all bills of this Society and make such other disbursements as are necessary and incidental to the operation of the Society. He shall at the annual meeting of the Society, and if directed by the Board of Directors at special meetings, make full and true report of the financial condition of this Society. He shall perform such other duties as are usually incident to the office of Treasurer and as may be assigned to him by the Board of Directors. The Treasurer shall before assuming office be required to make and execute a good and sufficient surety bond in an amount of not less than Five thousand (\$5,000.00) Dollars conditioned on the faithful performance of the duties of his office, the expense of said bond to be borne by the Society. The Treasurer shall provide for an annual audit of all books, vouchers and necessary documents of the Society by a Certified Public Accountant prior to each annual meeting of the Society, the cost of said audit to be borne by the Society. The financial statement as prepared during the audit shall be included as a part of the annual proceedings of the Society.

Section G. Editor. The duties of the Editor shall be to publish and distribute the Journal and other publications of this Society.

Section H. The Directors shall assist in administering the affairs of this Society.

#### ARTICLE IV

#### TERM OF OFFICE

All officers except the President and President Elect shall be elected for one year or until the successors shall be duly elected and qualified. The President Elect shall be elected for a term of two years, to include one year as President Elect and a succeeding year as

President. No officers except the Secretary, Treasurer and/or the Editor shall succeed himself. Officers elected at any annual meeting shall begin their duties

on the close of the meeting at which they are elected. Nominees for President shall be selected from the Board of Directors. Two (2) new members of the Board of Directors shall be elected each year for a term of three (3) years or until their successors shall be duly elected and qualified. The nomination to this first year's Board only shall consist of two (2) members for three (3) years, two (2) members for two (2) years and two (2) members for one (1) year.

# ARTICLE V BOARD OF DIRECTORS

Section A. The President of the Society shall be Chairman of the Board of Directors.

Section B. The Board of Directors shall meet upon the call of the President or upon the request of five or more members of the Board of Directors directed in writing to the Secretary. At least fifteen (15) five days prior notice in writing shall be given by the Secretary to all members of the Board of Directors as to any meetings of the Board of Directors. The time and place of such meetings shall be designated by the President. A majority of the members of the Board of Directors shall constitute a quorum for the transaction of business. An action of the Board of Directors shall be upon the vote of the majority of its members present. The Board of Directors shall meet no less than three times annually. One meeting shall be held immediately before the annual meeting of the Society; one meeting shall be held immediately after the annual meeting of the Society; and one additional meeting shall be held during the interim between the annual meeting.

Section C. The Board of Directors shall manage the affairs of the Society and shall have the power: (1) to fill any vacancies among the officers of the Society including the membership of the Board of Directors; except as provided in Article X, Section C (2) to prescribe the duties of the officers of the Society not otherwise prescribed in the ByLaws of this Society; (3) to provide rules and regulations for the conduct of the affairs of this Society as are not inconsistent with the provisions of the ByLaws; (4) to accept or reject applications for membership in this Society; (5) to increase the amount of the Treasurer's bond if the Board deems Five thousand (\$5,000.00) Dollars insufficient;

the Board of Directors shall have full power of the Society in all matters demanding action between meetings and shall submit at the next succeeding meeting of the Society a report of all actions taken by them under authority of this section.

## ARTICLE VI QUORUM

A quorum of any meeting of the Society shall consist of not less than <u>forty fifteen</u>-voting members, or <u>10</u> 50% of the membership, whichever is smaller, at least two of whom shall be officers of the Society.

## ARTICLE VII MOTIONS AND RESOLUTIONS

All motions and resolutions presented at any annual meeting of the Society involving matters of policy, administration or business shall be referred to the Board of Directors who shall consider the same and report its recommendation back to the Society; provided, however, that should any matter require immediate action by the Society, such matters may be considered immediately by consent of three-fourths of the active members present and voting.

### ARTICLE VIII MEETINGS

Section A. There shall be an annual meeting of the Society for the election of officers, the presentation of papers and discussion on noxious aquatic weed control, uses of aquatic vegetation and related subjects and such other business as may be properly brought before it. Such annual meeting shall be held at such time and place as the Board of Directors may decide. At least sixty days prior notice shall be given in writing to all members as to time and place of the annual meeting.

Section B. Special meetings of the Society may be held whenever the Board of Directors deem such meetings necessary or whenever ten or more active members shall make a written request therefor, presented to the Secretary. Such request shall be placed with the Board of Directors which shall designate a time and place for such special meeting. The Secretary shall give written notice of all special meetings of the Society to all members at least four weeks seven days prior to the date of such special meetings.

## ARTICLE IX FISCAL YEAR

The fiscal year of the Society shall be the calendar September 1 through August 31 of each year.

# ARTICLE X ELECTION OF OFFICERS

Section A. Officers of the Society shall be elected by majority vote of the voting members present at the annual meeting of the Society and shall serve until the close of the next annual meeting of the Society and shall serve until the close of the next annual meeting following their election or until the election of their successors, except the President Elect shall automatically become President.

Section B. No member shall be eligible for office who has not been a voting member of the Society for three years.

Section C. Vacancies in the office of President between terms shall automatically be filled through succession in the following order: First Vice President Elect, Second Vice President, Secretary, Treasurer, Editor. All vacancies, other than that in the office of President, shall be filled through appointment by the Board of Directors.

Section D. The election of officers of the Society shall be held as a part of the business meeting which shall be held prior to noon of the second full day of the annual meeting.

## ARTICLE XI DUES

Section A. Membership dues shall be payable in advance, and shall in no case be paid later than the first full day of the annual meeting.

Section B. Annual dues shall be as follows: Active members, \$8.00; Student members, \$5.00; Associate members, \$5.00; Commercial members (a) individual \$25.00, (b) firms \$95.00; Honorary members, none.

# ARTICLE XII COMMITTEES

Standing committees shall be appointed by the President Elect to serve during his term as President as follows:

1. Membership Committee. This committee shall consist of not less than five (5) active members of the Society one of whom shall be the Secretary, one of

whom shall be the Chairman of the Student Committee and one of whom shall be the Chairman of the International Committee. This committee shall investigate and promote memberships in the Society.

- 2. Publicity Committee. This committee shall consist of (3) members. The duties of this committee shall be to generate and distribute newsworthy items of the Society and such other duties as may be assigned by the Board of Directors.
- 3. Legislative Committee. This committee shall consist of not less than five (5) voting members whose duties shall be to inform itself as to any legislation pending of interest to the Society and to make recommendations to the Board of Directors on the same.
- 4. Program Committee. The program committee shall consist of the members of the Board of Directors, chaired by the First Vice President Elect, and its duty shall be to provide programs for each annual meeting.
- 5. Nominating Committee. The nominating committee shall consist of not less than five (5) members, preferably not less than one Past President, who shall recommend to the Society candidates for election to the several offices.
- 6. ByLaws and Resolutions Committee. This committee shall consist of not less than five (5) voting members of the Society. All resolutions and ByLaw changes to be considered shall be presented to this committee, who in turn shall present worthy suggestions them to the Society in a form appropriate for adoption, subject to ByLaws Article VII. All of voting members

petitions with ten (10) or more signatures ^ shall be brought to the attention of the Society.

- 7. Student Affairs Committee. This committee should consist of three (3) members of the Society. The duties of this committee shall be to investigate and promote membership of students into the Society and make recommendations to the Board of Directors as to means of enhancing and encouraging student participation in the Society.
- 8. Past Presidents Advisory Committee. This committee shall consist of all past Presidents of the Society and shall be chaired by the immediate outgoing President of the Society. The duties of this committee shall be to examine the aims and goals of the Society and make recomendations to the Board of Directors related to achieving these aims and goals.
- 9. Special Committees. Such other committees as from time to time may be deemed necessary shall be appointed by the President.

### ARTICLE XIII RULES OF ORDER

Business sessions of the Society shall be conducted in accordance with Roberts' Rules of Order

### ARTICLE XIV PUBLICATIONS

All publications of the Society shall be issued under the direction of the Editor and shall become the property of the Society.

#### ARTICLE XV HONORARY MEMBERS

Section A. Criteria for honorary membership. Before being considered for honorary membership a person must meet the following criteria:

- 1. He or she must have contributed significantly to the field of aquatic vegetation management during his or her career. (be retired and no longer employed in the field of aquatic vegetation management) be retired and no longer employed in the field of hyacinth noxious aquatic weed control.
- 2. He or she must have been a voting member of the Society for no less than ten (10) years.
- 3. He or she must have actively promoted the Society and its affairs during their membership.

Section B. Exemptions for Rights of honorary members: Honorary members cannot shall hold office inthe Society and cannot vote, however they may hold committee appointments and participate in other Society functions in perpetuity all rights of active membership.

Section C. Selection of Honorary Members. Nominees for honorary membership shall be submitted to the ByLaws and Resolutions Committee in the form of a petition signed by no less than ten (10) active members or may originate with the ByLaws and Resolutions Committee. Nominees will be evaluated by the ByLaws and Resolutions Committee to ascertain that they meet the criteria for eligibility as an honorary member. Eligible nominees will be presented by the ByLaw and Resolutions Committee to the Board of Directors and upon acceptance of nominees by the Board, a biographical sketch of the nominees will be printed in the Newsletter. The Board of Directors shall, at the next annual meeting, present the nominee to the Society. Honorary members shall be elected by a majority vote of the voting members present at the annual meeting of this Society.

#### ARTICLE XVI AMENDMENTS

These ByLaws may be amended by three-fourths vote of the active members present at any annual meeting, provided the notice of the proposed amendment has been given in writing to the Secretary and transmitted by him to active members thirty days before the annual meeting and that notice of the time of said amendment is to be voted on has been announced at least twelve hours in advance.

The above and foregoing ByLaws of THE AQUATIC PLANT MANAGEMENT SOCIETY, INCORPORATED, were adopted on \_\_\_\_\_\_.

### CERTIFICATE OF INCORPORATION

# THE AQUATIC PLANT MANAGEMENT SOCIETY, INCORPORATED

(A Corporation not for profit)

The undersigned for the purpose of organizing a corporation pursuant to the laws of the State of Florida, hereby adopt this Certificate of Incorporation.

#### ARTICLE I

The name of this corporation shall be The Aquatic Plant Management Society, Incorporated.

#### ARTICLE II

The general nature of the objects of this Society shall be to assist in promoting management control of water hyacinths and other noxious aquatic vegetation weeds, to provide for the scientific advancement of members of the Society, to encourage scientific research, to promote university scholarships and to extend and develop public interest in the movement.

#### ARTICLE III

Section A. The membership of the Society shall consist of five classes: Active members, Student members, Associate members, Commercial members and Honorary members.

Section B. Active members shall consist of four Managers

categories: <del>Directors, ^</del> Scientific Research Workers, Commissioners, Professional Advisory and Consulting Personnel.

Managers

- 1. A Director \(^{\text{N}}\) member shall be any individual actively engaged in direct supervision of a local government aquatic vegetation management hyacinth control program.
- 2. A research member shall be any individual or non-profit organization interested in or concerned with scientific research in the management control of hyacinths or other noxious aquatic vegetation weeds.
- 3. A Commissioner member shall be any individual duly elected or appointed to serve as a member of the governing board of a local government aquatic

- vegetation management hyacinth control-program.
- 4. Professional advisory and consulting personnel members shall be those individuals employed by various Federal, State or Local agencies employed primarily to lend technical aid and assistance to local hyacinth control aquatic vegetation management programs, or those Federal, and state, local and private employees directly administering aquatic vegetation management hyacinth control activities.
- Section C. Student members shall be those individuals actively enrolled in a full time college level study of aquatic weeds, or related types of college level studies approved by the Board of Directors.
- Section D. Associate members shall be those individuals or organizations desiring to maintain contact with the work of the Society by receiving its bulletins and other publications.

Section E. Commercial members shall consist of two categories: Individual and profit making organizations.

This class of membership is intended for individuals or profit making organizations wishing to aid in scientific research as well as to give financial support to the Society irrespective of whether or not they are in a position to participate otherwise in the affairs of the Society.

Section F. Honorary memberships may be conferred on any person who has rendered such service to the cause of aquatic vegetation management hyacinth control as to entitle him to special recognition.

Section G. Voting members shall be all members in good standing except those individuals classified as Associate and Honorary members as defined by Sections C, D and E. and F of this article.

Section H. All applications for membership shall be subject to the approval of the Board of Directors.

#### ARTICLE IV

This corporation shall have perpetual existence. <u>;</u> but if disbanded, its assets shall be passed on to a tax-free organization to be named by the last Board of Directors.

#### ARTICLE V

Name and residences of the subscribers are as follows:

Name	Address
T. W. Miller, Jr.	Fort Myers, Florida
A. S. Chipley	Bokeelia, Florida
Herbert J. Friedman	Tampa, Florida
William Dryden	Fort Myers, Florida
Thomas O. Fultz	Bartow, Florida
Edwin L. Seabrook	West Palm Beach, Florida
Donald E. Seaman	Fort Lauderdale, Florida

#### ARTICLE VI

The affairs of this corporation are to be managed by a Board of Directors and Officers of the Society.

The officers of the Society shall be President, First Vice President Elect, Second Vice President, Secretary, Treasurer and Editor.

The Board of Directors of this Society shall consist of not more than thirteen members and shall include the active officers of the Society.

The officers of this Society shall be elected by majority vote of the voting members present at the annual meeting of this Society and shall serve until the close of the next annual meeting following their election or until their successors are duly elected and qualified. No member shall be eligible for office who has not been a voting member of the Society for three years.

#### ARTICLE VII

Names of the officers and directors who are to manage all the affairs of this corporation until the first election under this charter are as follows:

Name	Office	Address			
T. W. Miller, Jr.	President	Fort Myers, Florida			
A. S. Chipley	Vice President	Bokeelia, Florida			
Herbert J. Friedman	Secretary-	Tampa, Florida			
	Treasurer				
William Dryden	Editor	Fort Myers, Florida			
Thomas O. Fultz	Director	Bartow, Florida			
Edwin L. Seabrook	Director	West Palm Beach, Fla.			
Donald E. Seaman	Director	Fort Lauderdale, Fla.			

#### ARTICLE VIII

The Articles of Incorporation and/or ByLaws of this Society shall be made and adopted, altered or rescinded by three-fourths vote of the active members present at

any annual meeting, provided the notice of the proposed amendment has been given in writing to the Secretary and transmitted by him to active members thirty days before the annual meeting and that notice of the time said amendment is to be voted on has been announced at least twelve hours in advance.

#### ARTICLE IX

The highest amount of indebtedness or liability to which this corporation at any time may subject itself is One hundred thousand (\$100,000.00) Dollars.

#### ARTICLE X

The amount in value of real estate which the corporation may hold is Two hundred fifty thousand (\$250,000.00) Dollars.

WITNESS the hands and seals of the incorporators on Useppa Island, Lee County, State of Florida, this 19th day of July, 1961.

,	/s/ T. W. Miller, Jr., Fort Myers, Florida	(LS)
į	/s/ A. S. Chipley, Bokeelia, Florida	(LS)
	/s/ Herbert J. Friedman, Tampa, Florida	(LS)
		(LS)
	/s/ Thomas O. Fultz, Bartow, Florida	(LS)
	/s/ Edwin L. Seabrook, West Palm Beach, Florida	(LS)
	/s/ D. E. Seaman, Fort Lauderdale, Florida	(LS)
	State of Florida)	

) ss

County of Lee

Personally appeared before me the undersigned authority, a Notary Public in and for the County of Lee, T. W. Miller, Jr., A. S. Chipley, Herbert J. Friedman, William Dryden, Thomas O. Fultz, Edwin L. Seabrook, and Donald E. Seaman who upon first being duly sworn upon oath say that they are the incorporators and subscribers to the foregoing articles of incorporation and that it is the intent in good faith by the subscribers to carry out the provisions and objects set forth herein, that they acknowledge the execution of said document as such subscribers.

- /s/ T. W. Miller, Jr., Fort Myers, Florida
- /s/ A. S. Chipley, Bokeelia, Florida
- /s/ Herbert J. Friedman, Tampa, Florida
- /s/ William Dryden, Fort Myers, Florida
- /s/ Edwin L. Seabrook, West Palm Beach, Florida
- /s/ Thomas O. Fultz, Bartow, Florida
- /s/ D. E. Seaman, Fort Lauderdale, Florida

Sworn to and subscribed before me at Useppa Island, Florida, this 19th day of July, 1961.

/s/ LAURA E. SKINNER, Notary Public

NOTARY SEAL My commission Expires July 19, 1964

## HONORARY MEMBERS

DR. F. L. TIMMONS
Tucson, Arizona
MR. WILLIAM E. WUNDERLICH
New Orleans, Louisiana

## COMMERCIAL SUSTAINING

APPLIED BIOCHEMISTS, INC.

Mequon, Wisconsin

AQUAMARINE CORPORATION

Waukesha, Wisconsin

DR. B. WAYNE ARTHUR

Greensboro, No. Carolina

ASGROW FLORIDA COMPANY

Plant City, Florida

MR. PAUL C. BREWER, JR.

Hialeah, Florida

HAROLD F. BROWN, INC.

Ft. Pierce, Florida

MR. PAUL L. DEETS

Mount Dora, Florida

ELANCO PRODUCTS COMPANY

Indianapolis, Indiana

RICHARD W. FIELDS

Chicago, Illinois

MR. JOHN E. GALLAGHER

Ambler, Pennsylvania

JOYCE ENVIR. CONSULTANTS, INC.

Casselberry, Florida.

KERR-McGEE CHEMICAL CORP.

Jacksonville, Florida

LANTANA BOATYARD, INC.

Lantana, Florida

MINNESOTA WANNER COMPANY

Minneapolis Minnesota

MONSANTO AGRICULT. PROD. CO.

Naples, Florida

NALCO CHEMICAL COMPANY

Oak Brook, Illinois

PENNWALT CORPORATION

Prattville, Alabama

RHODIA, INC. AGRICULTURAL DIV.

Atlanta, Georgia

SANDOZ, INC.

San Diego, California

SOUTHERN MILL CREEK PRODUCTS

Tampa, Florida

MR. GEORGE SUCIU

Montreal, Quebec, Canada

THE 3M COMPANY

Pompano Beach, Florida

VELSICOL CHEMICAL CORPORATION

Chicago, Illinois

ZOECON CORP., Equip. & SUP.

Orlando, Florida

NOTES

# LADIES PROGRAM

SUNDAY, JULY 9, 1978

6:30 P.M. - 7:30 P.M. - Reception Plantation Room

## MONDAY, JULY 10, 1978

9:00 A.M. 'til 4:00 P.M.

Explore the Oldest City in the United States Buses will take you to St. Augustine, where you
will participate in a fully escorted walking tour of
resorted areas - sponsored by Historical Properties. A Luncheon at the Leitner Museum is included.

## TUESDAY, JULY 11, 1978

9:00 A.M. - 4:00 P.M. Ladies Hospitality - Georgia Room

6:30 P.M. Reception - Plantation Room

7:45 P.M. Annual Banquet - Ballroom