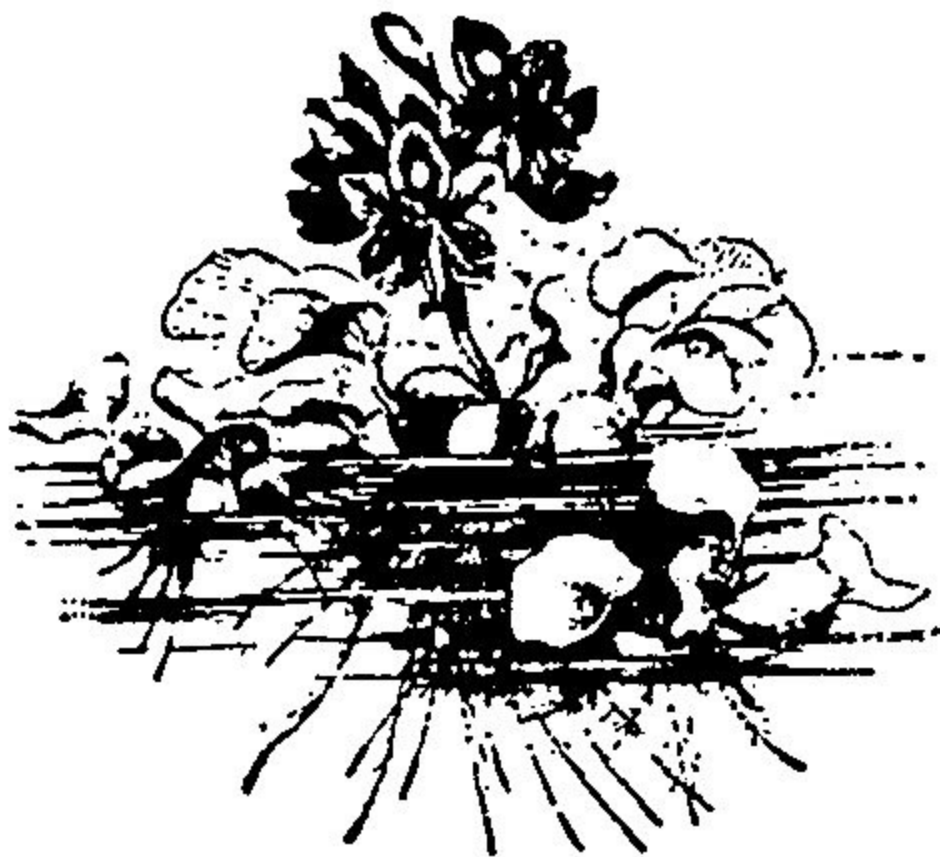


# **PROGRAM**

**ELEVENTH ANNUAL MEETING**

## **THE HYACINTH CONTROL SOCIETY**



**MANGER MOTOR INN**

**Tampa, Florida**

**July 11 - 14, 1971**

**Sunday through Wednesday**

# **THE HYACINTH CONTROL SOCIETY**

DEDICATED TO THE CONTROL OF  
NOXIOUS AQUATIC WEEDS

FOUNDED 1960

## **AIMS**

To control noxious weeds and develop effective vegetation management practices.

To encourage young people to educate themselves toward the technology of aquatic weed science.

To co-ordinate the use of chemical, mechanical, and biological methods of control.

To disseminate information concerning new ideas, products, and practices in the field.

## **GOALS**

POLLUTION ABATEMENT  
IMPROVE WATER QUALITY  
ECOLOGY PROTECTION  
IMPROVE ENVIRONMENT  
EFFECTIVE ADMINISTRATION  
ACTIVE LEGISLATION

## SUNDAY, JULY 11

- 2:00-4:00 P.M. Board of Director's Meeting - Presidential Suite  
3:00-5:00 Registration (main lobby - Manger Motor Inn)  
6:30-7:30 Hospitality Hour - Registration badge or identification required.  
Dinner on your own.

## MONDAY, JULY 12

- 8:00 A.M.-12:00 Noon Registration (main lobby - Manger Motor Inn)  
9:30 Opening Session - Meeting Room  
Stanley C. Abramson, President, Presiding  
9:35 Invocation - the Rev. Robert E. Ford, Pastor - Grace Covenant Presbyterian Church, Tampa.  
9:40 Welcome to Tampa - the Honorable Dick Greco, Mayor of Tampa  
10:00 Address to the Society - Frank Neff, Commissioner, Hillsborough County  
10:20 Presidential Address - Stanley C. Abramson, Technical Supervisor, Southern Mill Creek Products Co., Tampa  
10:35 Coffee Break  
10:50 "Aquatic Weed Control As It Relates to Fish & Wildlife and the Aquatic Environments" - Dr. Earle Frye, Director, Florida Fresh Water Fish and Game Commission, Tallahassee, Florida - Co-Author, John W. Woods  
11:10 "Investigation of Tilapia Melanopleura (Dumeril) as a Possible Biological Vegetation Control Agent in Florida Waters" - Clayton L. Philippy, Fishery Biologist, Florida Game and Fresh Water Commission, Tallahassee  
11:25 "The Society's Function in a Right-On Generation" - Arthur V. Edwards, Editorial Director, WEEDS, TREES AND TURF MAGAZINE, Cleveland, Ohio  
11:45 "Experience with Water Milfoil at Edgewood Arsenal" - Charles W. Fauroat, Director of Installations and Services, U. S. Army Munitions Command  
12:00 Lunch  
1:30 P.M. Afternoon Session - Herbert J. Friedman, Past President, Presiding

1:30

"Water Management: Key to Florida's Future" - Dr. John V. Betz, University of South Florida, Tampa

2:00

"Pesticides, Herbicides or ?" - John Thoman, S. E. Regional Coordinator, Environmental Protection Agency, Atlanta, Georgia

2:20

"Effects of Herbicides on Growth and Photosynthesis by Marine Unicellular Algae" - Dr. Gerald Walsh, U S D I, Environmental Protection Agency, Gulf Breeze, Florida

2:35

"Do Your Own Thing" - Robert J. Gates, Supt. of Maintenance, S. W. Florida Water Management District, Brooksville, Florida

2:50

"Quality Aquatic Weeds" - Fred J. Waldinger, Biologist, Fla. Dept. of Air & Water Pollution Control, Tallahassee, Florida

3:15

Adjourn to Demonstrations at Hillsborough County Wildlife Association Grounds.

3:30

Busses leave for Demonstration Site Demonstrations

4:00-6:00

Barbecue

6:00-7:00

## TUESDAY, JULY 13

8:00 A.M.

Registration - Lobby

8:30

Morning Session - Dan Gorman, Past President Presiding

8:30

"The Response of Eurasian Water-milfoil to Various Concentrations and Exposure to 2,4-D" - Richard A. Elliston (senior author), Agricultural Research Technician, Plants - Kerry K. Steward (co-author), Plant Physiologist, USDA, Ft. Lauderdale, Florida

8:45

"Insects vs. Alligatorweed" - Neal R. Spencer, USDA Aquatics Entomologist, Gainesville, Florida

9:00

"Aquatic Weed Control in Polk County" - Frank Wilson, Mosquito Control Director, Polk County, Florida

9:15

"A Water Residue Program for Two Aquatic Herbicides" - John E. Gallagher - Amchem Products, Inc., Ambler, Pennsylvania

9:35

"The Control of Fragrant Water Lily with Dichlobenil" - W. C. Durden, Jr., Research Technician and Robert D. Blackburn, Botanist, USDA, Ft. Lauderdale, Florida



9:50 "Temperature Tolerance and Necessary Stocking Rates of the Marisa cornuarietis for Aquatic Weed Control" - Thomas M. Taylor, Robert D. Blackburn and David L. Sutton, USDA, Ft. Lauderdale, Florida

10:05 Coffee Break

10:20 "Controlling Submersed Aquatic Weeds in South Florida Canals with a Controlled Release Herbicide" - C. Elroy Timmer, Technician and Robert D. Blackburn, Botanist - USDA, Ft. Lauderdale, Florida

10:35 "Present Control of Pesticides in Florida" - Vincent E. Stewart, State Chemist - Florida Dept. of Agriculture and Consumer Services, Tallahassee, Florida

11:05 Annual Business Meeting

12:00 Lunch

1:30 P.M. Afternoon Session - Frank Wilson, Past President Presiding

1:30 "Feeding Habits of the Amur, a Herbivorous Fish, on Water Hyacinths" - Gordon Baker, D. L. Sutton and R. D. Blackburn, USDA, Ft. Lauderdale, Florida

1:45 "The Water Quality of Small Enclosures Stocked with Amur" - Jane E. Cagni, D. L. Sutton and R. D. Blackburn, USDA, Ft. Lauderdale, Florida

2:00 "Policies and Plans of the Department of Natural Resources Related to Aquatic Weed Control and Research" - Alva P. Burkhalter, Ph. D., Aquatic Plant Research and Control Coordinator, Florida Department of Natural Resources, Tallahassee, Florida

2:15 "Plant Pathogens with Potential as Biological Controls of Water Hyacinth and Alligatorweed" - F. W. Zettler, Assistant Professor, Department of Plant Pathology, University of Florida, Gainesville, Florida. Co-Authors, T. E. Freeman, R. E. Rintz and H. R. Hill.

2:30 "A Method for Studying Copper Residue in Fish Using Constant Flow Delivery System" - C. Lin, A. J. Nemo, and D. L. Vedder, Applied Biochemists, Inc., Milwaukee, Wisconsin

2:45 "The Pros and Cons of Airboat Utilization in Hyacinth Control" - Ronald Davis, Lee County Hyacinth Control Dist., Ft. Myers, Florida

3:00 Coffee Break

3:15 "Bacteriological Fungal or Viral Control of Aquatic Vegetation" - Author Dr. Thomas Sturrock, Department of Biological Science, Florida Atlantic University. Presentation by Lawrence E. Cappleman, Jr., Florida Atlantic University.

3:35 "Herbivorous Fish for the Control of Aquatic Weed Problems", David L. Sutton and R. D. Blackburn, USDA, Ft. Lauderdale, Florida

3:50 "The Native Plant Communities of Tropical Florida" - Dr. Robert W. Long, University of South Florida, Tampa, Florida

4:05 "A Casoron Aquatic Weed Control Tour" - James L. Taylor, Manager Research and Market Development, Thompson-Hayward Chemical Company, Sanford, Florida

4:20 "The Management of Aquatic Vegetation in Florida Lakes and Waterways" - R. W. Geiger, Manager, Lakes and Waterways Management Service, 3 M Company, Hialeah, Florida

4:45 "Reclamation of Lost Recreational Areas" - L. V. Guerra, Project Leader, Statewide Noxious Vegetation Control Program, San Antonio, Texas

5:00 "Aquatic Weed Control on a Reservoir in Puerto Rico" - Engineer Jose Goitia, Chief of Chemical & Sanitary Engineering, Puerto Rico Aquade Authority, San Juan, P. R.

5:15 Adjourn

6:00-7:00 Cocktail Hour - Poolside

7:00-8:00 Luau

8:15-11:00 Cruise on "Tom Sawyer"

### WEDNESDAY, JULY 14

7:30 A.M. "Dutch Treat" Breakfast at Manger Motor Inn (Rap Session) - Brandt Watson, Board Member, Presiding

9:00 Morning Session - Will Dryden, Director and Past President, Presiding

9:00 "Slow Release: An Approach to Effective Aquatic Weed Control with Minimal Ecological Disturbance" - Seymour Z. Mansdorf and N. F. Cardarelli, Creative Biology Laboratory, Inc., Barberton, Ohio

9:20 "Recent Developments in Mechanical Removal of Aquatic Vegetation" - C. Brate Bryant, President, Aquamarine Corporation, Waukesha, Wisconsin

9:35 "Control of Submersed Aquatic Plants Using the Trivert System" - Robert J. Gates, Superintendent of Operation & Maintenance, Southwest Florida Water Management District - Presentation by Porter Lambert

9:50 "Current Status of Pesticide Regulations" - John R. Strayer, Assistant Extension Entomologist, University of Florida, Gainesville, Florida

10:15 "Phenology, Biology and Host-specificity of Some Steno-phagous Insects attacking Myriophyllum (Haloragidaceae in Pakistan" - G. M. Baloch, A. G. Khan, A. Rahim and M. Ghani - Commonwealth Institute of Biological Control, Curepe, Trinidad, West Indies. Presentation by Neal R. Spencer, USDA Entomologist, Gainesville, Florida

10:30 Coffee Break

10:45 "The Influence of Several Aquatic Plants on Dichlobenil Residues in Water" - Richard Schumacher and S. W. Bingham, Virginia Polytechnic Institute, Blacksburg, Virginia

11:00 "Effectiveness of Selected Aquatic Plants for Removal of Dicamba from Water" - S. W. Bingham, Associate Professor, Plant Physiology, Virginia Polytechnic Institute and State University, Blacksburg, Virginia

11:15 "Agriculture and Environmental Quality" - Dr. John Gerber, Assistant Dean, Institute for Food and Agricultural Science, University of Florida, Gainesville

11:30 Address - Randolph Hodges, Executive Director, Florida Department of Natural Resources, Tallahassee, Florida

12:00 Lunch

1:15 P.M. Afternoon Session - Stanley C. Abramson, President Presiding

1:15 Panel Discussion "Management of Water Hyacinths"  
Dr. Roy Shirley, Professor of Animal Science, Dr. Wayne Curry, Asst. Professor of Agronomy, Dr. Charles Hortonstein, Asst. Professor of Soils, Dr. William J. Nolan, Chemical Engineering Department, Dr. Thomas D. Furman, Environmental Engineering Department, University of Florida, Gainesville, Florida  
Moderator, Dr. Alva Burkhalter, Aquatic Plant Research and Control Coordinator, Florida Department of Natural Resources, Tallahassee, Florida

2:00 Final Business Meeting and Installation of Officers

2:30 Adjourn

### LADIES PROGRAM SUNDAY, JULY 11

3:00-5:00 P.M. Registration - Main Lobby Manger Motor Inn

6:30-7:30 Hospitality Hour

### MONDAY, JULY 12

Morning On your own

11:30 A.M. Bus leaves for Busch Gardens

12:00 Noon Luncheon - Swiss House, Busch Gardens

3:00 P.M. Bus leaves for Manger Motor Inn

5:30 Bus to Hillsborough County Wildlife Association Grounds

6:00-7:00 Barbecue

### TUESDAY, JULY 13

Morning and Afternoon On your own

6:00-7:00 P.M. Cocktail Hour - Poolside

7:00-8:00 Luau

8:15-11:00 Cruise on "Tom Sawyer"

### WEDNESDAY, JULY 14

On your own



## THE HYACINTH CONTROL SOCIETY

### OFFICERS

Stanley C. Abramson ..... President  
Paul R. Cohee ..... Vice President  
Robert J. Gates ..... Secretary-Treasurer  
Gordon Mobley ..... Director  
Will Dryden ..... Director  
Brandt Watson ..... Director  
Robert D. Blackburn ..... Editor

### 1970-1971 COMMITTEE APPOINTMENTS

#### Membership:

Robert Gates, Chairman

Bill Woods ..... Art Edwards  
Chuck Zeiger ..... John Gallagher

#### Public Relations:

Brandt Watson, Chairman

Tony Virginia ..... Art Edwards

#### Public Address and Projection:

Wayne Miller, Chairman

Robert Gates ..... Dan Gorman  
Leonard Devine

#### Exhibits and Equipment Demonstration:

Jack Slamela, Chairman

Zeb Grant ..... Art Barrett  
Andy Price

#### Resolutions:

Gordon Mobley, Chairman

Robert Blakeley ..... John Gallagher

#### Legislative:

Will Dryden, Chairman

Wayne Miller ..... Bob Blackburn  
Bob Blakeley ..... Zeb Grant

Bill McClintock

#### Program:

Board of Directors

#### Site Selection:

Board of Directors

#### Local Arrangements:

Stan Abramson, Chairman

Wayne Miller ..... Clayton Phillippy  
Gordon Mobley ..... Fred John

#### Constitution & By-Laws Study Committee:

Robert Blakeley, Chairman

Herbert Friedman ..... Wayne Miller

#### Nominating Committee:

Herbert Friedman, Chairman

Dan Gorman ..... Zeb Grant

#### Society Employee:

Mrs. Blanche Farrow, Assistant to the Secretary

## COMMERCIAL SUSTAINING MEMBERS

APPLIED BIOCHEMISTS, INC.

Milwaukee, Wisconsin

ASGROW FLORIDA CO.

Subsidiary of Upjohn

Plant City, Florida

3M COMPANY

Hialeah, Florida

HERCULES INC.

Montgomery, Alabama

KERR-McGEE CHEMICAL CORP.

Jacksonville, Florida

PENNWALT CORP.

Montgomery, Alabama

SOUTHERN MILL CREEK PRODUCTS CO., INC.

Tampa, Florida

SWEENEY ENVIRONMENTAL CONTROLS, INC.

Homosassa Springs, Florida

Spring Valley, Wisconsin

## INDIVIDUAL SUSTAINING MEMBERS

AMOS, J. S.

Vero Beach, Florida

BRYANT, C. BRATE

Waukesha, Wisconsin

COHEE, PAUL R.,

Montgomery, Alabama

GODWIN, CHARLES W.

Ft. Pierce, Florida

JOHNSTON, DICK

Deland, Florida

KUNKEL, DONALD H.,

Waukesha, Wisconsin

McABEE, JAMES L., JR.

Chamblee, Georgia

McMURRAY, SAM F.

Tampa, Florida

MABRY, PAUL H.

Plant City, Florida

MacDONALD, DONALD H.

Wilmington, Delaware

MERK, JOHN E.

Jupiter, Florida

NICHOLS, MIKE

Orlando, Florida

SEYMOUR, DON E.

Milwaukee, Wisconsin

STEINHARDS, A., DR.

Kalamazoo, Michigan

SUTTON, CLIFF

Lakeland, Florida