

PROGRAM

TWELFTH ANNUAL MEETING

THE HYACINTH CONTROL SOCIETY



MIAMI SPRINGS VILLAS & KINGS INN

500 Deer Run

Miami Springs, Florida 33166

July 9 - 12, 1972

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.

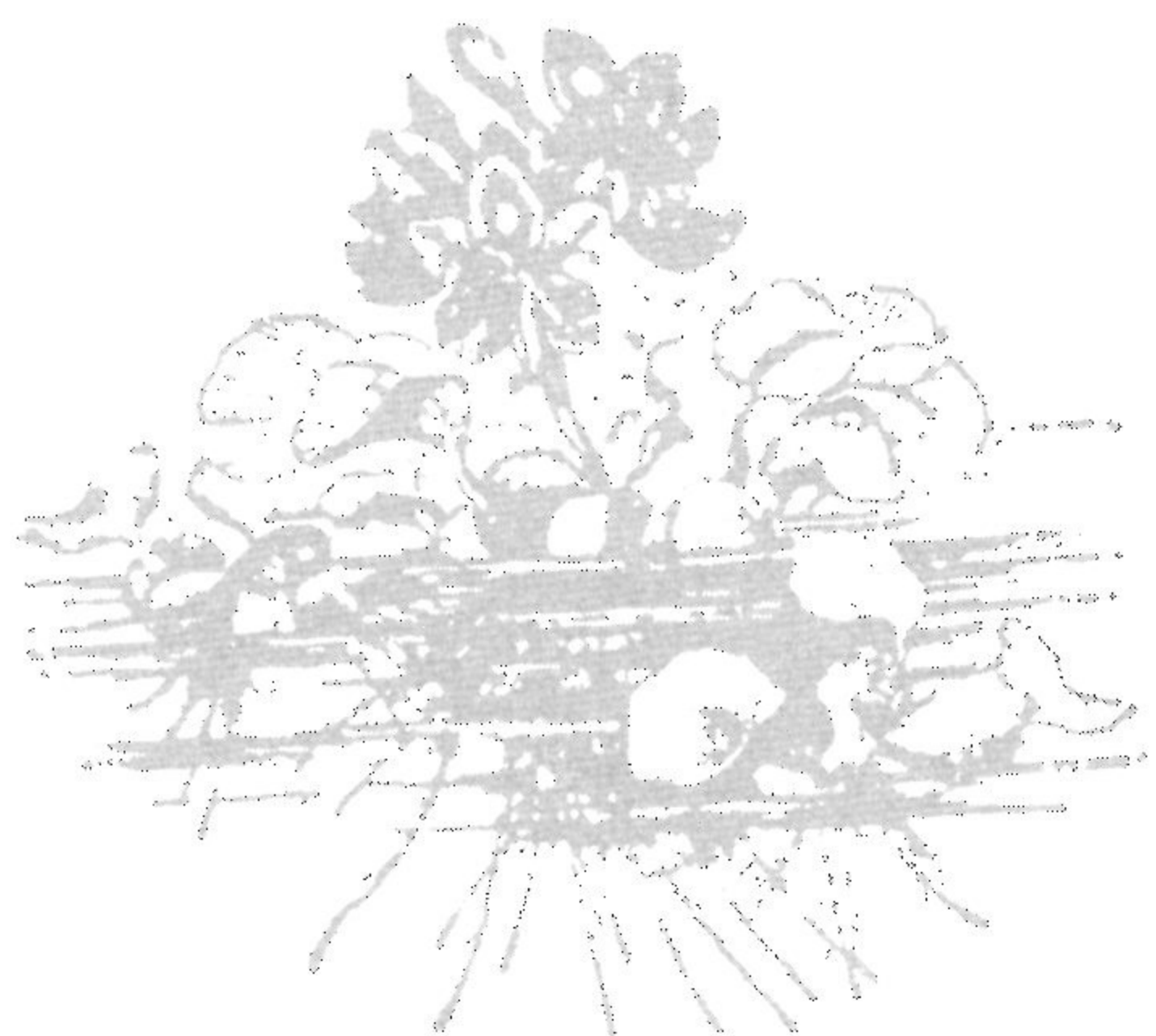
To encourage young people to educate themselves toward the technology of aquatic weed science.

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 9

- 2:00-4:00 P.M. BOARD OF DIRECTORS MEETING - Presidential Suite.
- 3:00-5:30 P.M. REGISTRATION - Display Room East Lobby
- 6:30-7:30 P.M. HOSPITALITY HOUR - Registration Badge or Positive Identification required.
- DINNER - On your own.

MONDAY, JULY 10

- 8:00-12:00 Noon REGISTRATION - Display Room, East Lobby
- 9:30 A.M. OPENING SESSION - Meeting Room, East Lobby - Stanley C. Abramson, Vice President, Presiding.
- 9:35 INVOCATION - Rev. Albert R. Schmidt, Grace Lutheran Church, Curtis Parkway, Miami Springs, Florida.
- 9:40 WELCOME TO MIAMI SPRINGS - Honorable Richard Stone, Secretary of State, Tallahassee, Florida.
- 10:00 COFFEE BREAK
- 10:15 PRESIDENTIAL ADDRESS - Robert J. Gates, Director, Field Operations, Southwest Florida Water Management District, Brooksville, Fl.
- 10:30 A PROBLEM IN ECOLOGY IS A PROBLEM IN ENVIRONMENT - Charles W. Fauroat, Director of Installations and Services, U.S. Army Munitions Command, Dover, N.J.
- 10:45 THE FLORIDA DEPARTMENT OF NATURAL RESOURCES AND ITS ROLE IN AQUATIC PLANT RESEARCH AND CONTROL - J. Clarke Hudson, Aquatic Weed Specialist, Dept. of Natural Resources, Tallahassee, Florida.

- 11:00 PESTICIDES IN THE AQUATIC ENVIRONMENT 1972 - Paul J. Schouboe, Dept. of Health, State of Florida, Jacksonville, Florida.
- 11:15 STATEWIDE NOXIOUS VEGETATION CONTROL PROGRAM - L.V. Guerra, Texas Parks & Wildlife Dept., San Antonio, Texas.
- 11:30 CURRENT PESTICIDE LEGISLATION - Roy P. Clark, Chief, Pesticides Branch, E.P.A., Region IV, Atlanta, Georgia.
- 11:50 QUESTIONS, ANSWERS AND DISCUSSION - Group Participation.
- 12:00 Noon LUNCH
- 1:30 P.M. Buses leave for U.S.D.A. Research Center, Fort Lauderdale, for TOUR OF FACILITIES AND PROJECTS.
- 3:00 Membership scheduled to arrive for briefing of guided tour of U.S.D.A. Research Center
- 3:30-5:30 GUIDED TOUR FOR MEMBERSHIP
- 6:00 CATFISH DINNER and refreshments
- 8:00 Membership and guests to depart by bus, return to Miami Springs Villas-Kings Inn.

TUESDAY, JULY 11

- 8:00 A.M. REGISTRATION - Display Room, East Lobby.
- 8:30 MORNING SESSION - Al Burkhalter, Board Member, Presiding.
- 8:30 ANALYSIS OF THE FISHERY VALUE OF HYDRILLA AND OTHER EXTREMELY DENSE SUBMERSED AQUATIC PLANTS - Bryan Barnett and Robert Schneider, Fl. Game and Fresh Water Fish Comm., Eustis, Fl.

8:45	THE CHRONICITY PHENOMENON AS A MEANS TO REDUCE ENVIRONMENTAL CONTAMINATION: CHRONIC EFFECTS OF FIVE SELECTED HERBICIDES ON EURASIAN WATERMIFOIL - Sheila A. Quinn, Creative Biology Lab, Inc., Barberton, Ohio.	10:45	LAKE RECLAMATION - Merle R. Chaplin, Inventor and Engineer, Winter Park, Florida.
9:00	SALE AND PURCHASE OF HERBICIDES - Roy P. Clark, Chief of Pesticides Branch, E.P.A., Region IV, Atlanta, Georgia.	11:00	ANNUAL BUSINESS MEETING
9:15	THE EFFECT OF HERBICIDES ON WATER QUALITY - W.L. McClintock, Dept. of Public Works, Winter Park, Florida.	12:00 Noon	LUNCH
9:30	FACTORS INFLUENCING THE GROWTH AND DISTRIBUTION OF SUBMERSED AQUATIC WEEDS IN LAKE OKLAWAHA - Robert D. Blackburn, Thomas M. Taylor and C. Elroy Timmer, USDA, Fort Lauderdale, Fla.	1:30 P.M.	AFTERNOON SESSION - Ray Spirnock, Board Member, Presiding.
9:45	THE NATIVE AND INTRODUCED AQUATIC PLANTS OF THE PANAMA CANAL ZONE - Robert L. Lazor, Aquatic Plant Research & Control, Dept. of Natural Resources, Tallahassee, Florida.	1:30	AQUATIC PLANT PROBLEMS IN LAKE TANEYCOMO - T.R. Kueter, R.W. Lowery, and Dr. E.O. Gangstad, Aquatic Plant Control, Corps of Engineers, Washington, DC.
10:00	COFFEE BREAK	1:45	HERBICIDE RESIDUES IN FISH, PONDS AND MUD - Donald P. Schultz, Pesticides Lab., U.S.D.I., Warm Springs, Georgia.
10:15	INVESTIGATION OF FACTORS INFLUENCING THE RELEASE OF AQUATIC HERBICIDES FROM POLYETHYLENE MATRICES - Dr. F.W. Harris, Dept. of Chemistry, Wright State Univ., Dayton, Ohio.	2:00	SALT WATER TOLERANCE OF SOME AQUATIC PLANTS - William Haller and Dr. David Sutton, University of Florida, Fort Lauderdale, Fl.
10:30	EVALUATION OF PLANT GROWTH INHIBITORS FOR CONTROL OF HYDRILLA REGROWTH . Dr. Kerry K. Steward, USDA, Fort Lauderdale, Florida.	2:15	PAST AND CURRENT RESEARCH ON EURASIAN WATERMILFOIL - Helen F. Hayslip and F.W. Zettler, Dept. of Plant Pathology, University of Florida, Gainesville, Florida.
		2:30	INTEGRATION OF BIOLOGICAL & CHEMICAL CONTROL OF ALLIGATORWEED - Wiley Durden, USDA, Savannah, Ga. and Robert D. Blackburn, USDA, Fort Lauderdale, Fl.,
		2:45	PUT AND KEEP HERBICIDES ON THE AQUATICS: NOT IN THE WATER OR ON THE BOTTOM - Forrest A. Wilson, Vice President, Stull Chemical Co., San Antonio, Texas.
		3:00	COFFEE BREAK

3:15 TECHNIQUES FOR TREATING HY-
DRILLA AND THEIR INFLUENCE
ON HERBICIDE UPTAKE AND RE-
SIDUE - Robert D. Blackburn, C.
Elroy Timmer and Thomas M. Taylor,
USDA, Fort Lauderdale, Florida and
William Haller, University of Florida,
Fort Lauderdale, Florida.

3:30 COMPARATIVE EFFECTS OF TWO
HERBICIDES ON AQUATIC ORGAN-
ISMS - Bruce May and Rue S. Hestand,
Florida Game and Fresh Water Fish
Comm., Eustis, Florida.

3:45 ADJUVANTS FOR AGRICULTURAL
CHEMICALS - Leonard Lett, Southern
Mgr., Colloidal Products Corp., Mem-
phis, Tenn.

4:00 ON TARGET APPLICATION - Andy
L. Price, Tech. Development Dept.,
Asgrow Florida Co., Plant City, Fl.

4:15 MAINTENANCE CONTROL OF HY-
DRILLA - Fred Downing, Dir. of Weed
Control Dept., Citrus County, Inver-
ness, Florida.

4:30 THE DIRECTA-SPRA - A NEW LOW
DRIFT AQUATIC HERBICIDE APP-
LICATOR - Richard Messinger, Re-
search Dept., Amchem Products, Inc.,
Ambler, Penn.

4:45 ERON - AERATOR AND WATER
TREATMENT DEVICE - Robert D.
Eron, Inventor, St. Petersburg, Fl.

5:00 INCREASING THE EFFICIENCY OF
AQUATIC PLANT MANAGEMENT
THROUGH PROCESSING - Dr. R.G.
Koegel, S.H. Sy, H.D. Bruhn, D.F.
Livermore, Water Resources Center,
University of Wisconsin, Madison,
Wisc.

5:15 HARVESTING HARDWARE AND
COSTS - 1972 - C. Brate Bryant,
President, Aquamarine Corp., Wauke-
sha, Wisc.

5:30 ADJOURN

6:30-7:30 COCKTAIL PARTY - The Playhouse

7:30-9:00 ANNUAL BANQUET - The Playhouse

9:00-12:00 DANCING - Live Music - The Play-
house

WEDNESDAY, JULY 12

8:00 A.M. REGISTRATION - Display Room,
East Lobby.

8:30 MORNING SESSION - Brandt G. Wat-
son, Secretary - Treasurer, Presiding.

8:30 THE WHITE AMUR IN ORANGE CO.-
Dr. David L. Sutton and Bill Haller,
University of Florida, Fort Lauder-
dale, Fl., Rue Hestand III, Florida
Game and Fresh Water Fish Comm.,
Eustis, Fl., and Robert D. Blackburn,
USDA, Fort Lauderdale, Fl.

8:45 EFFICIENCY OF THE WHITE AMUR
TO CONVERT DUCKWEED TO FISH
FLESH - Jesse Van Dyke and Dr.
David Sutton, University of Florida,
Fort Lauderdale, Fl.

9:00 A CRITICAL REVIEW OF THE
WHITE AMUR AND ITS EVALUA-
TION FOR AQUATIC PLANT CON-
TROL IN THE U.S. - Dr. Charles R.
Walker and Ralph M. Burress, Chief,
Branch of Pest Control Research,
USDI, Washington, DC.

9:45 AQUATIC PLANT PROBLEMS IN
THE WALLA WALLA DISTRICT - E.
F. Hesser, R.W. Lowery and Dr. E.O.
Gangstad, Aquatic Plant Control,
Corps of Engineers, Washington, DC.

10:00	COFFEE BREAK	1:15	EVALUATION OF SOME FUNGI & BACTERIA FROM INDIA AS BIO-CONTROLS OF HYDRILLA AND WATER HYACINTH - R. Charudattan, Plant Pathology Dept., University of Florida, Gainesville, Fl.
10:15	ENDOTBALL AND ENVIRONMENT - Obren Keckemet, Pennwalt Corp., Tacoma, Washington.	1:30	OPERATION AND MAINTENANCE OF PRIMARY CANALS IN DADE COUNTY - Ray A. Spirnock, Field Station Chief, Central & Southern Florida Flood Control District, Miami, Florida.
10:30	FATE OF ENDOTBALL IN THE AQUATIC ENVIRONMENT . H.C. Sikka, S.U.R.C. Life Sciences Div., Syracuse, N.Y.	1:45	RESULTS OF LABORATORY AND POOL SCREENING STUDIES FOR CONTROL OF <i>Elodea Densa</i> - J.R. Barry, D. Viator and Dr. J.A. Foret, University of Southwestern Louisiana, Lafayette, La.
10:45	AQUATIC ALGAE: THE GOOD AND THE BAD - Dr. Carole Lembi, Prof. of Botany and Plant Pathology, Purdue University, Lafayette, Ind.	2:00	RESPONSE OF HYDRILLA TO COMBINATIONS OF HERBICIDES AND COPPER COMPLEXES - Robert D. Blackburn, USDA, Fort Lauderdale, Florida, Dr. David Sutton, University of Florida, Fort Lauderdale, Florida, and W. Clayton Barlowe, USDA, Fort Lauderdale, Fl.
11:00	THE PHOSPHORUS NUTRITION OF HYDRILLA - Dr. Kerry K. Steward, USDA, Fort Lauderdale, Fl.	2:15	SECONDARY PLANT SUCCESSION FOLLOWING APPLICATION OF HERBICIDES - Dr. Charles R. Walker, Chief, Branch of Pest Control Research, USDI, Washington, DC.
11:15	RING SPOT OF WATER HYACINTH - Richard Rintz, Plant Pathology Dept., University of Florida, Gainesville, Florida.	2:45	FINAL BUSINESS MEETING
11:30	THE SAFETY FACTOR IN AQUATIC WEED BIOCONTROL - B. David Perkins USDA, Fort Lauderdale, Fl.	3:00	ADJOURN
11:45	INSECT ENEMIES OF AQUATIC WEEDS: A PROGRESS REPORT - Neal R. Spencer, USDA, Gainesville, Florida.		
12:00 Noon	LUNCH		
1:00 P.M.	AFTERNOON SESSION - Robert J. Gates, President, Presiding.		
1:00	ECOLOGICAL IMPLICATIONS OF WATER LEVELS ON PLANT GROWTH IN A SHALLOW WATER RESERVOIR AND INFLUENCE ON WATER QUALITY FROM UPSTREAM DISCHARGE - Rue Hestand, Florida Game and Fresh Water Fish Comm., Donald Schultz, Pesticides Lab, US DI, and Dr. Charles R. Walker, Fishery Div., USDI, Washington, DC.		

LADIES PROGRAM

SUNDAY, JULY 9

- 3:00-5:00 P.M. REGISTRATION - Display Room,
East Lobby.
- 6:30-7:30 HOSPITALITY HOUR - Florida Room,
Miami Springs Villas

MONDAY, JULY 10

- Morning ON YOUR OWN
- 12:00 Noon LUNCHEON - Florida Room, Miami
Springs Villas
- 2:30-3:00 Bus for ladies, Leave for USDA, Fort
Lauderdale, Fl.
- 4:00-5:30 TOUR OF HORTICULTURE GARDENS
- 6:00 CATFISH DINNER & Refreshments.
- 8:00 Bus back to Miami Springs Villas -
Kings Inn.

TUESDAY, JULY 11

- 9:15 - Noon Ladies and Children - Trip to Miami
Seaquarium
- 6:30-7:30 COCKTAIL PARTY - The Playhouse
(Informal Dress - Pantsuits or long
skirts).
- 7:30-9:00 ANNUAL BANQUET - The Playhouse
- 9:00-12:00 DANCING - Live Music - The Play-
house.

WEDNESDAY, JULY 12

On your own - Check the desk for
other points of interest.

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