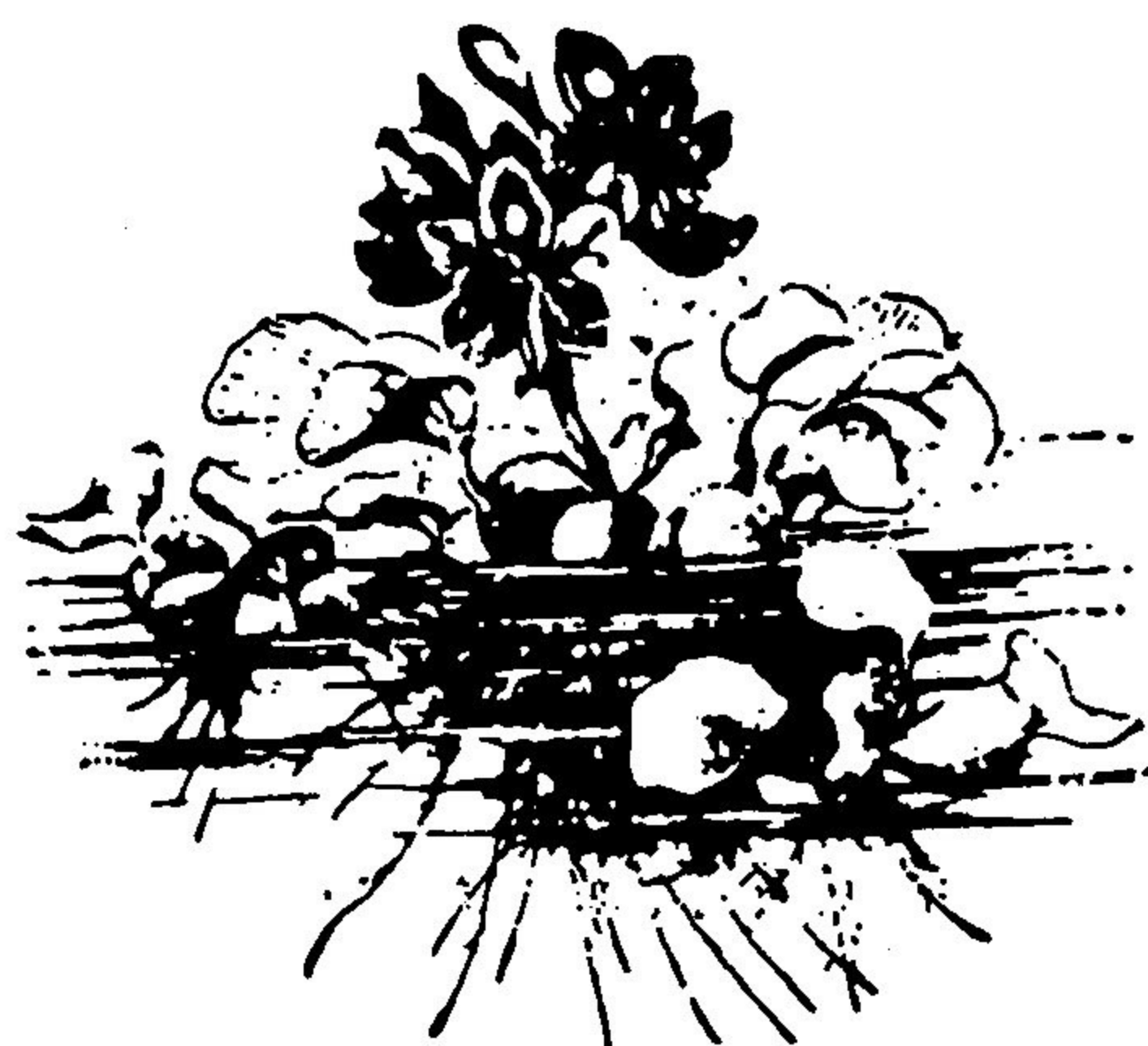


Program

FIFTEENTH ANNUAL MEETING

THE HYACINTH CONTROL SOCIETY

to become
THE AQUATIC PLANT MANAGEMENT
SOCIETY, Incorporated
on January 1, 1976



HILTON PALACIO DEL RIO
SAN ANTONIO, TEXAS
JULY 6-9, 1975
Sunday through Wednesday

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- Nelson Virden**
Virden Weed Control Service
Route 3, Box 414
Jackson, Mississippi 39213

THE HYACINTH CONTROL SOCIETY

DEDICATED TO THE CONTROL OF
NOXIOUS AQUATIC WEEDS

FOUNDED 1960



OBJECTIVES

- To assist in promoting controls of noxious aquatic weeds.
- To provide for the scientific advancement of members of the society.
- To encourage scientific research.
- To promote university scholarships.
- To extend and develop public interest in noxious aquatic weed problems.

THE PROGRAM



FIFTEENTH ANNUAL MEETING of THE HYACINTH CONTROL SOCIETY

July 6 - 9, 1975

HILTON PALACIO DEL RIO
SAN ANTONIO, TEXAS

SUNDAY, JULY 6, 1975

- 2:00 P.M. - Board of Directors Meeting
La Reina Room
3:00 P.M.-6:00 P.M. - Registration — Mezzanine
6:30 P.M.-7:45 P.M. - Reception — Corte Real

MONDAY, JULY 7, 1975

- 8:00 A.M.-5:00 P.M. - Registration — Mezzanine
Exhibits — La Princesa &
La Duquesa Room

GENERAL SESSION Corte Real Room

Presiding: L. V. Guerra, President
The Hyacinth Control Society

- 9:00 A.M. - **Call to Order**
9:05 A.M. - **Invocation:** Dr. John D. Barbee
Pastor, Parkhills Baptist Church,
San Antonio, Texas
9:10 A.M. - **Welcome to San Antonio**
The Honorable Louis H. Stumberg,
Commissioner, Texas Parks and Wildlife
Department, San Antonio, Texas
9:30 A.M. - **Presidential Address:**
L. V. (Lou) Guerra, President,
The Hyacinth Control Society
9:45 A.M. - **Coffee Break**

PRESENTATION OF PAPERS

10:35 A.M. - 12:00 Noon

Presiding: Mr. L. V. Guerra, President
The Hyacinth Control Society

- 10:35 A.M. - **"Control De Malezas Acuatica En La Zona
Central Y Sur De Mexico,"** ("Control of

Noxious Aquatic Plants in the Central
and Southern Zones of Mexico") Jose
Alejandro Medina and Francisco Ramon
Vera, Biologists, Projects of En-
vironmental Impact and Aquaculture of
the National Hydraulic Plan, Secretary of
Hydraulic Resources and Dr. Pedro Mer-
cado Sanchez, Office of Under Secretary
of Fisheries, Mexico, D.F.

- 11:00 A.M. - **"Control Operations on Alligator Weed
and Water Hyacinths,"** Dr. E. O.
Gangstad, Office Chief of Engineers, U.S.
Army Corps of Engineers, Washington,
D.C.
11:20 A.M. - **"Improved Herbicide Systems for Water
Hyacinth Control,"** William D. Hogan,
Field Development Specialist, Research
and Development, Chevron Chemical
Company, Ocoee, Florida
11:40 A.M. - **"Remote Sensing of Fresh Water
Macrophytes in Florida Lakes,"** Glenn
Vause, Department of Natural Resources,
Tallahassee, Florida, and Tom Davies,
N.A.S.A., Cape Canaveral, Florida.
12:00 Noon - **Recess for Lunch**

RESEARCH SESSION

1:30 P.M. - 4:30 P.M.
La Reina Group

- Presiding: Mr. William N. Rushing, Research Bot-
onist, Mobility and Environmental Sys-
tems Laboratory, U.S. Army Corps of
Engineers, Waterways Experiment
Station, Vicksburg, Mississippi.
1:30 P.M. - **"Effect on Water Hyacinth of the Mottled
Water Hyacinth Weevil Combined with
the Water Hyacinth Mite,"** Ernest Del
Fosse, USDA-ARS, University of Florida,
Ft. Lauderdale, Florida. *STUDENT CON-
TEST PAPER ENTRY.
1:50 P.M. - **"A Device for Determining Time of Day of
Feeding and Oviposition by Neochetina
eichorniae,"** Willey C. Durden and Dr. B.
David Perkins, USDA-ARS, Southern Re-
gion, Ft. Lauderdale, Florida
2:10 P.M. - **"Introduction of Neochetina bruchi into
South Florida for Biological Control of
Water Hyacinth,"** Dr. B. David Perkins,
USDA-ARS, Southern Region, Beneficial
Insect Laboratory, Ft. Lauderdale,
Florida.
2:30 P.M. - **"Synergistic Effects on Water Hyacinth
of the Fungus Acremonium zonatum
(saw) Gams and the Arthropods, Neo-**

chentina eichorniae Warner and Orthogalumna terebrantis Wallwork," Dr. R. Charudattan and Dr. B. David Perkins, University of Florida, Gainesville, Florida and USDA-ARS, Ft. Lauderdale, Florida.

2:50 P.M. - **Coffee Break**

3:10 P.M. - **"Successful Field Testing of a Fungal Pathogen as a Biological Control of Water Hyacinth,"** Dr. Kenneth E. Conway, Associate Research Scientist, University of Florida, Gainesville, Florida.

3:30 P.M. - **"Influence of Certain Mineral Deficiencies in Water Hyacinth on Feeding by Adult Neochetina eichorniae,"** Dr. B. David Perkins and Dr. Kerry K. Steward, USDA-ARS, Southern Region, Ft. Lauderdale, Florida.

3:50 P.M. - **Open** - Questions and Discussions

4:10 P.M. - **Open**

4:30 P.M. - **Adjournment**

6:00 P.M. - Buses leave front of Hotel for Lone Star Brewery and Texas Style Barbeque. Buses will leave Brewery for Hotel 9:30 P.M.

APPLICATOR'S SESSION

1:30 P.M. - 4:50 P.M.

La Vista Group

Presiding: Mr. Don Lee, Coordinator, Vegetation Control Program, Wildlife & Fisheries Commission, Baton Rouge, Louisiana

1:30 P.M. - **"Integrated Control of Aquatic Weeds in a Water Management District,"** Robert D. Blackburn, Joyce Environmental Consultants, Ft. Lauderdale, Florida, and Walter A. Dun, North St. Lucie River Drainage District, Ft. Pierce, Florida.

1:50 P.M. - **"Melaleuca - A Threat to the Everglades,"** William L. Maier, Aquatic Botanist, Florida Game & Fresh Water Fish Commission, Ft. Lauderdale, Florida.

2:10 P.M. - **"Tandem Color Aerial Photography for Aquatic Plant Monitoring,"** A. R. Benton, Jr., Research Associate, and R. M. Newman, Remote Sensing Center, Texas A&M, College Station, Texas.

2:30 P.M. - **"Evaluation of Controlled Release Copper Aquatic Herbicides,"** G. A. Janes, President and N. F. Cardarelli, Creative Biology Laboratory, Inc., Barbertown, Ohio

2:50 P.M. - **"The Aquatic Plant Regulation Program in Florida,"** Terry Goldsby, Robert Lazor,

David Tarver and Russell Theriot, Aquatic Botanists, Department of Natural Resources, Tallahassee, Florida.

3:10 P.M. - **Coffee Break**

3:30 P.M. - **"The Control of Hydrilla in Flowing Water,"** John C. Harvey and D. J. Pietropolli, Sandoz, Inc., Homestead, Florida.

3:50 P.M. - **"Mud Cats Role in the Removal of Noxious Aquatic Vegetation,"** Edward S. Stewart and Wallis R. Sandborn, Mud Cat Division, National Car Rentals Systems, Inc., Bellaire, Texas.

4:10 P.M. - **Open** - Questions and Discussions

4:30 P.M. - **Open**

4:50 P.M. - **Adjournment**

6:00 P.M. - Buses leave front of hotel for Lone Star Brewery and Texas style barbeque. Buses will leave Brewery for Hotel 9:30 P.M.

TUESDAY, JULY 8, 1975

7:30 A.M. - Commercial Breakfast (Dutch Treat)
El Quetzal Dining Room
Presiding: Dave Peterson, KDM, San Antonio

8:00 A.M. - Registration - Mezzanine
Exhibits- La Princesa &
La Duquesa Room

RESEARCH SESSION

9:00 A.M. - 10:20 A.M.

La Reina Group

Presiding: Mr. Willey Durden, USDA-ARS, Southern Region, Ft. Lauderdale, Florida.

9:00 A.M. - **"Androgenesis and Sex Reversal for Possible Mass Production of Monosex White Amur,"** Dr. Jon G. Stanley, Fish Farming Experimental Station, U.S. Fish & Wildlife Service, Stuttgart, Arkansas.

9:20 A.M. - **"Factors Affecting Subaqueous Release of Herbicides from Various Invert Formulations,"** Dr. Kerry K. Steward and Cynthia Hag, USDA-ARS, Ft. Lauderdale, Florida.

9:40 A.M. - **"Response and Succession of Various Aquatic Plants to Selected Herbicides,"** Rue S. Hestand and Chris C. Carter, Florida Game and Fresh Water Fish Commission, Eustis, Florida.

10:00 A.M. - "The Effects of Selected Herbicides on the Microbial Environment," Chris C. Carter and Rue S. Hestand, Florida Game and Fresh Water Fish Commission, Eustis, Florida.

10:20 A.M. - **Coffee Break**

APPLICATOR'S SESSION

9:00 A.M. - 10:20 A.M.

Presiding: Dr. B. David Perkins, USDA-ARS, Southern Region, Ft. Lauderdale, Florida.

9:00 A.M. - "Time Course Studies with 2, 4-D Amine Residues in Slow Moving Waters," Drs. J. R. Barry, J. A. Foret, and L. J. Desselle, University of Southwestern Louisiana, Lafayette, Louisiana.

9:20 A.M. - "The Aquatic Weed Control Training Program of the Flood Control District," Gordon Baker, Greenacres, Florida.

9:40 A.M. - "Weed Control and Environmental Impact of White Amur in Four Small Florida Lakes," Mondell L. Beach and W. W. Miley II, Bureau of Aquatic Plant Research and Control, Department of Natural Resources, Tallahassee, Florida.

10:00 A.M. - "Condition and Length-Weight Relationships of Selected Sport Fish in Small Florida Ponds Stocked with White Amur," W. W. Miley II and Mondell L. Beach, Bureau of Aquatic Plant Research and Control, Department of Natural Resources, Tallahassee, Florida.

10:20 A.M. - **Coffee Break**

ANNUAL BUSINESS MEETING

11:00 A.M. - 12:00 Noon
Corte Real Room

Presiding: L. V. Guerra, President
The Hyacinth Control Society

12:05 P.M. - **Recess for Lunch**

RESEARCH SESSION

1:30 P.M. - 4:50 P.M.

Presiding: Dr. David L. Sutton, Assistant Professor, Department of Agronomy, and Acting Center Director for the Agricultural Research Center, University of Florida, Ft. Lauderdale, Florida.

1:30 P.M. - "Controlling Hydrilla Regrowth with Dichlobenil or Fenac," Dr. Kerry K. Steward, USDA-ARS-SRAO, Ft. Lauderdale, Florida.

1:50 P.M. - "Response by Pearl Millet (*Pennisetum americanum*) (L) (K. Shum) to Field Incorporation of Water Hyacinths," C. C. Hortenstine, Associate Professor, and J. V. Parra, Institute of Foods and Agricultural Sciences, University of Florida, Gainesville, Florida.

2:10 P.M. - "Seasonal Fluctuations of Selected Aquatic Plants in Temperature Controlled vs. Natural Conditions," Rue S. Hestand and Chris C. Carter, Florida Game and Fresh Water Fish Commission, Eustis, Florida.

2:30 P.M. - "The Use of Cutrine-Plus for Weed Control in Flowing Water," Dr. D. T. Schulteis, Acampo, California.

2:50 P.M. - "The Effect of Selected Herbicides on Water Quality," Rue S. Hestand and Chris C. Carter, Florida Game and Fresh Water Fish Commission, Eustis, Florida.

3:10 P.M. - **Coffee Break**

3:40 P.M. - "Field Trials of Fenac in Rodman Reservoir During Drawdown for Control of Hydrilla," Kerry K. Steward, Thomas M. Taylor, Richard A. Elliston, USDA-ARS, Ft. Lauderdale, Florida.

4:00 P.M. - "Comparison of Sediment Build-up in Treated vs. Untreated Pools," Rue S. Hestand and Chris C. Carter, Florida Game and Fresh Water Fish Commission, Eustis, Florida.

4:20 P.M. - **Open** — Questions and Discussions

4:50 P.M. - **Adjournment**

APPLICATOR'S SESSION

1:30 P.M. - 3:40 P.M.

Presiding: Louie V. Richards, Research Coordinator, Louisiana Wildlife and Fisheries Commission, Pineville, Louisiana

- 1:30 P.M. - **"Implications of Lake Augmentation in Aquatic Weed Growth,"** Dr. D. F. Martin, D. M. Victor, and P. M. Dooris, University of South Florida, Tampa, Florida.
- 1:50 P.M. - **"The Effects of Simulated Rainfall on Glyphosate Activity When Applied as Liquid or Invert Formulations to Ditch-bank Grasses,"** Kerry K. Steward and Richard Elliston, USDA-ARS-SRAO, Ft. Lauderdale, Florida.
- 2:10 P.M. - **"A New Liquid Formulation of Dihydroxyaluminum Salt of Endothall,"** T. J. Denike, R. W. Geiger, P. F. Guehler, Lakes and Waterways Management Service, 3M Company, Pompano Beach, Florida.
- 2:30 P.M. - **"Effects of Pickerelweed on Various Aquatic Plant Control Methods,"** William L. Maier and Dr. B. David Perkins, USDA-ARS, Southern Region, Ft. Lauderdale, Florida.
- 2:50 P.M. - **"Harvesting Cost and Inflation,"** C. Brate Bryant, Aquamarine Corp., Waukesha, Wisconsin.
- 3:10 P.M. - **Coffee Break**
- 3:40 P.M. - **Adjournment**



Tuesday Evening

JULY 8, 1975

6:30 P.M.

Reception

Mezzanine

8:00 P.M.

Annual Banquet

Ballroom

Ballroom Dancing

Ballroom

Presiding:

L. V. (Lou) Guerra

President

The Hyacinth Control Society



WEDNESDAY, JULY 9, 1975

8:00 A.M. - Buffet Breakfast - Ballroom

GENERAL SESSION

9:30 A.M. - 10:45 A.M.
Ballroom

Presiding: L. V. Guerra, President
The Hyacinth Control Society

- 9:30 A.M. - **"Aquatic Plant Problems in the Sudan,"** Volkhart Leffler, Plant Protection Administration, Sudanese-German Cooperation, Water Hyacinth Control Project, Khartoum, Sudan.
- 10:00 A.M. - **"Next Year's Meeting Site,"** Bob Blackburn, Joyce Environmental Consultants, Ft. Lauderdale, Florida.
- 10:20 A.M. - **Awards for Student Papers**
John E. Gallagher, Am-Chem Products, Inc., Ambler, Pennsylvania.
- 10:30 A.M. - **Award of Presidential Service Award**
L. V. Guerra, President, The Hyacinth Control Society
- 10:45 A.M. - **"Progress in Pesticide Registration for Aquatic Weed Control,"** John B. Ritch, Jr., Director, Registration Division, Environmental Protection Agency, Washington, D.C.

FINAL BUSINESS MEETING

12:15 P.M. - 12:45 P.M.
Ballroom

Presiding: Ray Spirnock, President-Elect
The Hyacinth Control Society

12:45 P.M. - **Final Adjournment**

1:00 P.M. - **Board of Directors Meeting**
La Reina Group - Mezzanine

LADIES PROGRAM

SUNDAY, JULY 6, 1975

6:30 P.M.-7:45 P.M. - Reception - Corte Real Room

MONDAY, JULY 7, 1975

- 9:00 A.M.-10:00 A.M. - Ladies Breakfast - River Patio
- 10:00 A.M.- 2:00 P.M. - Ladies Hospitality Suite - Imperial Suite
- 6:00 P.M.- 9:30 P.M. - Texas Barbeque, Lone Star Brewery, Buses leave at 6:00 P.M.

TUESDAY, JULY 8, 1975

- 9:00 A.M.-10:00 A.M. - Ladies Riverboat Breakfast. Meet at Outdoor Dining Room.
- 10:00 A.M.- 2:00 P.M. - Hospitality Suite - Imperial Suite
- 2:00 P.M.- 4:00 P.M. - Ladies Tour of the Alamo
- 6:30 P.M. - Reception - Mezzanine
- 8:00 P.M.-12 midnight- Banquet - Dance

WEDNESDAY, JULY 9, 1975

- 8:00 A.M. - Buffet Breakfast - Ballroom
- 10:00 A.M. - Noon - Hospitality Suite - Imperial Suite

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Mr. WILLIAM E. WUNDERLICH
New Orleans, Louisiana

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First Place	\$50.00
Second Place	\$25.00
Third Place	\$15.00
Honorable Mention	\$10.00

MEETING SITES

1976 - Bahia-Mar Hotel & Convention Center
Ft. Lauderdale, Florida
July 11-14
1977 - Holiday Inn - Downtown
Minneapolis, Minnesota
July 17-20