

PROGRAM

**THIRTY-FIFTH
ANNUAL MEETING**

**THE AQUATIC
PLANT MANAGEMENT
SOCIETY, INC.**



**HYATT REGENCY
BELLEVUE, WASHINGTON
JULY 9-12, 1995
Sunday through Wednesday**

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THE PROGRAM

THIRTY-FIFTH ANNUAL MEETING

THE AQUATIC PLANT MANAGEMENT SOCIETY, INC.

JULY 9-12, 1995

**HYATT REGENCY
BELLEVUE, WASHINGTON**

SUNDAY JULY 9, 1995

- | | |
|---------------|--|
| 8:00-8:30 am | Board of Directors Coffee
Larch Board Room |
| 8:30-12:00 pm | Board of Directors Meeting
Larch Board Room |
| 1:15-2:00 pm | Washington Department of Ecology
Hydrilla Working Group Meeting
Larch Board Room |
| 2:00-5:00 pm | Exhibitors Display Setup
Grand Foyer |
| 3:00-6:00 pm | Registration
Grand Staircase |

President's Reception

7:00 - 9:00 pm
Hyatt Wintergarden

MONDAY JULY 10, 1995

- 8:00-5:00 pm Registration
Grand Staircase
- 9:00-5:00 pm Exhibits on Display
Grand Foyer

Spouses Field Trip and Luncheon

10:00-2:30 pm

Salish Lodge at Snoqualmie Falls

(Meet in Lobby for Buses)

Session I

1995 Opening Session

Moderator: Steven de Kozlowski, President
Grand Ballroom

- 8:30 am Call to Order of 35th Annual Meeting
- 8:35 am Welcome
- 8:45 am Announcements-Terry McNabb,
1995 Program Chair
- 9:00 am APMS Chapter Reports
Western APMS
Midwest APMS
Mid South APMS
South Carolina APMS
Texas APMS
Florida APMS
- 9:45 am Presidential Address
Steven de Kozlowski
- 10:00 am Break
- 10:15 am An Overview of Aquatic Plant
Problems in the Pacific Northwest,
Terry McNabb, Resource
Management, Inc., Tumwater, WA

- 10:45 am The Campaign for Aquatic Herbicide
Registration: Lake Minnetonka, a
Case History, Dr. Kurt Getsinger, US
Army Corps of Engineers Aquatic
Plant Control Research Program,
Vicksburg, MS; and Dave Petty,
DowElanco, Indianapolis, IN

- 11:15 am APMS Business Meeting

- 11:45 am Lunch

Session II

Moderator: Kathy Hamel
Washington Department of Ecology
Grand Ballroom

(* indicates a participant in the 1995 Student Paper Contest)

- 1:15 pm Ecological and Environmental Results
of Eurasian Watermilfoil Infestations,
Dr. John Madsen, US Army Corps of
Engineers LAERF, Lewisville, TX
- 1:45 pm Impacts of Aquatic Vegetation on
Fisheries in the Pacific Northwest, Dr.
Jonathan Frodge, King County
Department of Municipal Services,
Seattle, WA
- 2:00 pm Fact or Perception; Do We Really Have
an Aquatic Non-indigenous Plant
Species Problem in the United States?,
Dr. Steve Cockreham, SePRO
Corporation, Carmel, IN
- 2:15 pm Effects of Macrophytes on Water
Quality, Dr. John Barko and William
James, US Army Corps of Engineers
Aquatic Plant Control Research
Program, Vicksburg, MS
- 2:30 pm Successful Control of Hydrilla and Re-
establishment of Native Plant
Communities on Lake Okahumpka
Despite Long Odds, Brian Nelson,
Southwest Florida Water Management
District, Brooksville, FL

- 2:45 pm Aquatic Plant Action Plan for Lake Seminole, AL-FL-GA, Michael Eubanks, US Army Corps of Engineers, Mobile District, Mobile, AL
- 3:00 pm Break
- 3:15 pm The Use of Sonar™ as a Renovative Tool to Restore Aquatic Ecosystems, Allen (Bo) Burns, SePRO Corporation, Carmel, IN
- 3:30 pm Copper Treatments and Aquatic Sediments, Dr. John Rodgers and Emily Deaver, University of Mississippi, Oxford, MS
- 3:45 pm* Anodic Stripping Voltammetry as a Tool for Measuring Bioavailable Copper, Emily Deaver and Dr. John Rodgers, University of Mississippi, Oxford, MS
- 4:00 pm Assessing the Effects of Copper in Freshwater Sediments-Lake Steilacoom, WA, Dave Templeton, HartCrowser, Seattle, WA
- 4:15 pm Innovative Approaches to Technology Transfer of the Use of Biological Control Agents in the Management of Aquatic Plants, Dr. Al Cofrancesco and Michael Grodowitz, US Army Corps of Engineers, Aquatic Plant Control Research Program, Vicksburg, MS
- 4:30 pm Hydrilla Management in Large Lakes of Florida's Kissimmee Chain of Lakes, Mike Badle, South Florida Water Management District, West Palm Beach, FL
- 4:45 pm Sequential (Simulated-Tidal) and Continuous Exposures of *Egria densa* to Sonar™, Lars W. Anderson and Suzanne Fellows, USDA-ARS Aquatic Weed Control Laboratory, UC-Davis, Davis, CA
- 6:30-9:00 pm Applied Biochemist Reception Hyatt Wintergarden

TUESDAY JULY 11, 1995

- 6:45 am Local Chapter Presidents' Breakfast Sponsored by Zeneca Professional Products

Session III

- Moderator: Mark Swartout
Thurston County Vegetation Management Coordinator,
Olympia, WA
Grand Ballroom

(* indicates a participant in the 1995 Student Paper Contest)

- 8:00 am An Innovative Approach to Mechanical Aquatic Weed Removal - Operating Benefits and Performance, David Price, Natural Control Technologies, Berks, United Kingdom
- 8:15 am* Phytotoxic Effects of Diquat and Fluridone on a Non-target Rooted Aquatic Macrophyte as Determined by a Static Laboratory Bioassay, R.D. Roshon and G.R. Stephenson, University of Guelph, Ontario
- 8:30 am Comparison of Six Media for Isolation of Microbes Associated with Hydrilla under Natural Conditions, Yasser Shabana, R. Charudattan, and J. T. Devalerio, University of Florida, Gainesville, FL
- 8:45 am* An Investigation of the Allelopathic Properties of Cattails, *Typha domingensis*, in Hillsborough County Florida, Vicki Prindle and D. F. Martin, University of South Florida, Tampa FL
- 9:00 am Phosphorus Mobilization from Littoral Sediments, William James, US Army Corps of Engineers, Spring Valley, WI
- 9:15 am* Environmental Influences on the Early Phenology of Monoecious Hydrilla in Lake Gaston, Chad Coley and Stratford Kay and Steve Hoyle, North Carolina State University, Raleigh, NC

9:30 am	Update on the Environmental Protection Agency's Role in Aquatic Plant Management Programs, Fred Kerpel, US EPA, Atlanta, GA		Session IV Moderator, Dr. Jonathan Frodge King County Municipal Services, Seattle, WA Grand Ballroom
9:45 am	Funding Options for the Texas APC Program, Joyce Johnson, Texas Parks and Wildlife Department, Austin, TX	1:15 pm	Hydrilla Found in Washington State, Kathy Hamel, Washington Department of Ecology, Lacey, WA
10:00 am	Break	1:30 pm	Biology, Ecology, and Impacts of Monoecious Hydrilla in Lake Gaston, Stratford Kay, North Carolina State University, Raleigh, NC
10:15 am*	Aquatic Plant Management in Oregon, Keith Perkins, Mark Sytsma, Portland State University, Portland, OR and Dave Wagner, Devils Lake Improvement District, Lincoln City, OR	2:00 pm	Hydrilla Eradication in California, 1976-1995, Nate Deckoretz, California Department of Food and Agriculture, Sacramento, CA
10:30 am	Iron Dependence of <i>Lyngbya majuscula</i> and the Search for Siderophores, Elsie D. Gross and D. F. Martin, University of South Florida, Tampa, FL	2:00 pm	Field Evaluation of Concentrated Polymeric Granule of Endothall, Dr. Bill Haller, Center for Aquatic Plants, University of Florida, Gainesville, FL
10:45 am*	Effects of Short Term Summer Drawdown on Monoecious Hydrilla and Non-target plants, Angela Poovey and Stratford Kay, North Carolina State University, Raleigh, NC	2:15 pm	A Characterization of Risk for the Aquatic Herbicide, Reward™, Dr. Jennifer Shaw, Zeneca Professional Products, Ft. Myers, FL
11:00 am	Aquascaping, Design, Establishment, and Maintenance, Robert Blackburn, Future Horizons, Inc., Hastings, FL	2:30 pm	Low Dose/Long Term Hydrilla Control Using Sonar™, David Tarver, SePRO Corporation, Tallahassee, FL
11:15 am*	<i>Hydrilla verticillata</i> in New Zealand, Debbie Hofstra and J. S. Clayton, University of Waikato, Hamilton, New Zealand	2:45 pm	Seeing Red in Lake Minnetonka, Dr. Alison Fox, University of Florida, Gainesville, FL
11:30 am	Fisheries and Lake Management Considerations for Aquatic Plant Management, Orville Ball, O.P. Ball and Associates, El Cajon, CA	3:00 pm	Break
11:45 am*	The Effects of Recreational Use on the Aquatic Plant Community of the Rainbow River, Dunnellon, Florida, Michael Mumma and Charles Cichra, University of Florida, Gainesville, FL	3:15 pm	Large Scale Management of Submersed Macrophytes in Warmwater Ponds with Triploid Grass Carp, John Cassani, Lee County Hyacinth Control District, Ft. Myers, FL
12:00 noon	Lunch		

- 3:30 pm Potential Role of Micro-organisms in Submersed Macrophyte Decline, **Dr. Judy Shearer**, US Army Corps of Engineers, Aquatic Plant Control Research Program, Vicksburg, MS
- 3:45 pm Management Techniques for the Culture of Aquatic and Wetland Plants to Support Biocontrol Research, **Jan Freedman**, US Army Corps of Engineers Aquatic Plant Control Research Program, Vicksburg, MS
- 4:00 pm Use of Insect Biological Control Agents for the Management of *Hydrilla verticillata*, **Brent Harrel**, US Army Corps of Engineers Aquatic Plant Control Research Program, Vicksburg, MS
- 4:15 pm Insect Biological Control Agents Impacting Purple Loosestrife, **Dr. Al Cofrancesco**, US Army Corps of Engineers Aquatic Plant Control Research Program, Vicksburg, MS

TUESDAY EVENING PROGRAM

Seattle Harbor Cruise Dinner and Awards Banquet

5:00-10:00 pm

SePRO Corporation Hosts the Bar for this Event

Transportation will be provided from the hotel.
(Buses Depart the Lobby at 5:00 pm)

WEDNESDAY JULY 12, 1995

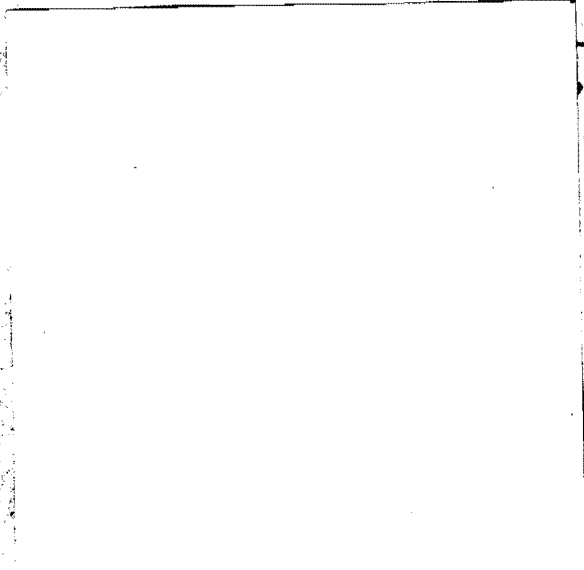
Session V

Moderator: Jennifer Parsons
Washington Department of Ecology
Olympia, WA
Grand Ballroom

- 8:30 am An *In Vitro* Culture System to Compare the Growth and Development of Hydrilla and Lagarosiphon, **Nancy Philman**, University of Florida, Gainesville, FL
- 8:45 am Regulatory Update on Endothol Aquatic Herbicides, **Gary Sandburg**, Elf Atochem, Philadelphia, PA
- 9:00 am Mosquito Surveillance and Control, Dusk till Dawn, **Wendy May Andrew**, Walt Disney World, Lake Buena Vista, FL
- 9:15 am A Comparative Study of Emergence from the Sediments by Aquatic Plants from Vegetative Propagules, **Dr. David Spencer**, University of California-Davis, Davis, CA
- 9:30 am DNA Content and DNA Amplification Products of Hydrilla Found in the United States, **Dr. Fred Ryan**, University of California-Davis, Davis, CA
- 9:45 am Effects of Plant Quality on the Growth and Development of Aquatic Weed Biological Control Agents, **Greg Wheeler**, USDA Research Station, Fort Lauderdale, FL
- 10:00 am **Break**
- 10:15 am Endothal Dissipation in Lake Parker, Florida, **Nasir Malik**, Elf Atochem, Bryan, TX
- 10:30 am The Effects of Atrazine on *Ruppia maritima* Grown in Autotrophic vs Heterotrophic Cultures, **Kimon Bird**, University of North Carolina, Wilmington, NC

- 10:45 am **What's Next?: The Next Wave of
Invasive Exotic Plants in Florida, Mike
Bodle, South Florida Water Manage-
ment District, West Palm Beach, FL**
- 11:00 am **Diver Dredging for the Control of
Eurasian Milfoil, Ernie Marquez,
Resource Management, Inc.
Tumwater, WA**
- 11:15 am **Final APMS Business Meeting and
Installation of New Officers**
- 12:00 noon **Adjournment of 35th Annual Meeting**
- 12:30 pm **Board of Directors Lunch and Meeting
Cottonwood Board Room**

NOTES



SUSTAINING APMS MEMBERS

PAST MEETING SITES AND PRESIDENTS OF THE AQUATIC PLANT MANAGEMENT SOCIETY

1961	Boca Grande, Florida	Alfred S. Chipley
1962	Fort Lauderdale, Florida	T.W. Miller, Jr.
1963	Tampa, Florida	William Dryden
1964	Tallahassee, Florida	Herbert J. Friedman
1965	Palm Beach, Florida	John W. Woods
1966	Lakeland, Florida	Zeb Grant
1967	Fort Myers, Florida	James D. Gorman
1968	Winter Park, Florida	Robert D. Blackburn
1969	West Palm Beach, Florida	Frank L. Wilson
1970	Huntsville, Alabama	Paul R. Cohee
1971	Tampa, Florida	Stanley C. Abramson
1972	Miami Springs, Florida	Robert J. Gates
1973	New Orleans, Louisiana	Brandt G. Watson
1974	Winter Park, Florida	Alva P. Burkhalter
1975	San Antonio, Texas	Lou V. Guerra
1976	Fort Lauderdale, Florida	Ray A. Spirnock
1977	Minneapolis, Minnesota	Robert W. Geiger
1978	Jacksonville, Florida	Donald V. Lee
1979	Chattanooga, Tennessee	Julfan J. Raynes
1980	Sarasota, Florida	William N. Rushing
1981	Jackson, Mississippi	Nelson Verden
1982	Las Vegas, Nevada	Roy L. Clark
1983	Lake Buena Vista, Florida	Emory E. McKeithen
1984	Richmond, Virginia	A. Leon Bates
1985	Vancouver, B.C.	Max C. McCowen
1986	Sarasota, Florida	Lars W. J. Anderson
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1989	Scottsdale, Arizona	Richard Couch
1990	Mobile, Alabama	David L. Sutton
1991	Dearborn, Michigan	Joseph C. Joyce
1992	Daytona Beach, Florida	Randall K. Stocker
1993	Charleston, South Carolina	Clarke Hudson
1994	San Antonio, Texas	S. Joseph Zolczynski

1996 APMS MEETING - BURLINGTON, VERMONT
July 10 - 13

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