



# AQUATIC PLANT NEWS

A newsletter of The Aquatic Plant Management Society, Inc. No. 57 Feb. 1998  
Mike Stewart, Editor, CEWES-ES-P, 3909 Halls Ferry Road, Vicksburg, MS 39180

## Destination: Memphis, Tennessee

The 38th Annual Meeting of the Aquatic Plant Management Society will be held July 12-15, 1998 at the Crowne Plaza Hotel in Memphis, Tennessee. The Crowne Plaza is located in the heart of downtown Memphis, overlooking the mighty Mississippi River. The hotel is an official stop on the Memphis Trolley Line and is only minutes away from world famous Beale Street, Mud Island, the National Civil Rights Museum, and the Pyramid. In addition, many other Memphis attractions and the Memphis International Airport are easily accessible.

Memphis was founded in 1819 by Andrew Jackson (later president) in southwestern Tennessee, bordering the states of Arkansas and Mississippi. Memphis takes its name from the ancient Egyptian capital of Memphis. The city is laid out on the Chickasaw Bluffs overlooking the confluence of the Wolf and Mississippi rivers. The largest city in Tennessee (1994 population 614,289), it is a major transportation hub, and commercial center for much of the rich Mississippi River delta farmland.

Internationally known as the "Home of the Blues" and the "Birthplace of Rock 'n' Roll", your Memphis experience will most likely involve music.

You can experience musical history at the home of W. C. Handy, the "Father of the Blues", and at Sun Studio where rock 'n' roll began. You can visit Graceland, the home of Elvis Presley, with tours of his mansion, private jets, and much more. (see Page 2)



Join us in Memphis and share your *Nuisance Plant Blues*.  
(Photo courtesy of Memphis Convention and Visitors Bureau)

## Program Plans for 1998 Annual Meeting

Dr. David Spencer is Program Chair for this year's annual meeting. Though the program will not be finalized until after the April 20 paper submission deadline, David is sure to provide a meeting full of information interesting to all. In addition to anticipated paper submissions on all aspects of aquatic plant ecology, physiology, control technique development, field evaluations, and operational control programs, David has arranged for the inclusion of three special sessions in this year's program.

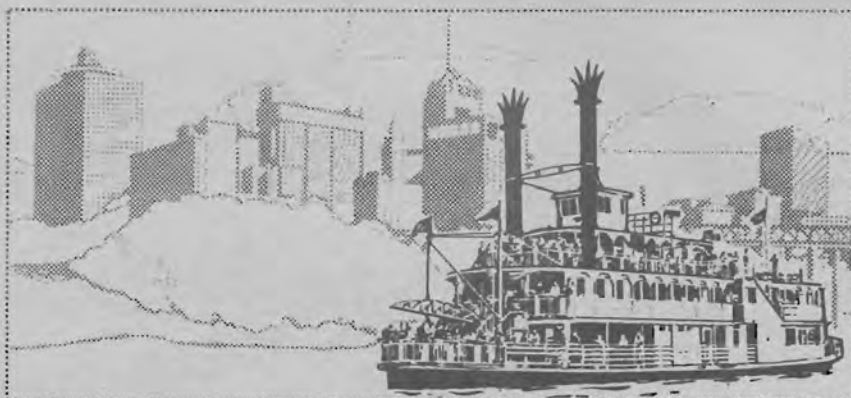
The first of these sessions is being organized by Dr. Kurt Getsinger and will provide presentations on new developments related to chemical control technologies. Not to be confused with ongoing chemical control technology efforts that Kurt oversees for the Corps program, this session will include presentations on new methodologies (immuno-assay techniques) for monitoring herbicide residues following field applications, registration updates from industry and EPA on various formulations, and important information from activities of the Federal Aquatic Herbicide Working Group. (see *Program Plans* - page 2)

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### *Memphis Attractions - continued from page 1*

Beale Street, one of America's most famous streets will entertain you with a variety of restaurants and nightclubs offering live music for dancing into the late night hours. Music is just the beginning, the Memphis area is filled with a variety of exciting attractions, museums, historic sites, entertainment, and leisure activities. The Hunt-Phelan Home constructed between 1828-1832 is rich in Civil War History. Mud Island is the home of the world's only Mississippi River Museum and a 3/4 mile scale replica of the Mississippi River. The National Civil Rights Museum is located where Dr. Martin Luther King, Jr. was assassinated. The Pyramid is a dazzling 32-story stainless steel multipurpose arena. And Memphis is the pork barbecue capital of the world. Fabulous music, a diversity of activities, extraordinary barbecue, and Southern hospitality are all waiting for you in Memphis.



*Photo courtesy of Memphis Convention and Visitors Bureau*

**To make your reservations, you must call the Crowne Plaza Hotel at 901-527-7300 by June 24, 1998.** A block of sleeping rooms has been reserved at the following rates; the room rate is \$85.00 single or double, \$95.00 triple, and \$105 quadruple occupancy per night, plus 13.25% tax. After June 24, reservations will be taken on a space available basis only, and the special group rate may not be applicable. All rooms will be held until 6:00 p.m. on the scheduled arrival date. Arrivals after 6:00 p.m. must be guaranteed by deposit or major credit card. When making reservations you must specify the Aquatic Plant Management Society to receive the group rate.

If you are planning to spend a few days before or after the meeting in Memphis, you may want to contact the Memphis Convention and Visitors Bureau, 47 Union Avenue, Memphis, Tennessee, 38103, phone: 901-543-5300, fax: 901-543-5350, internet: [www.memphistravel.com](http://www.memphistravel.com).

### *Program Plans - continued from page 1*

Dr. John Madsen is organizing a session on "The Use of Native Insect Herbivores for the Ecologically-Based Management of Eurasian Watermilfoil". The purpose of this session is to review the current information related to the use of these native insects that feed on Eurasian watermilfoil. In addition to individual presentations on completed and ongoing field studies, studies on mass rearing and release techniques for these native insects, and studies on how these native insects interact with and impact Eurasian watermilfoil, John is considering including a panel discussion among northern tier state agency representatives to review potential regulatory issues that may arise from the development of this technology.

Mr. Bob Gunkel will again organize and chair a special session for the Corps Aquatic Plant Control Research Program (APCRP). In contrast to last year, oral presentations in this year's APCRP session will be limited to technology area overviews by the technical leaders. Detailed presentations of specific research projects under the APCRP will be provided in a separate poster session, which will be conducted in a meeting room adjacent to the main meeting room.

With the addition of a poster session and arranged poster room for many of the CE presentations, Program Chair Spencer is requesting that other presenters who would consider giving their presentation via a poster format so indicate on their paper submission form (see page 7). Depending on the number of requests received for poster presentations, the Program Chair will determine which of these papers to include in the poster session. Due to possible space limitations, it may be necessary for some presenters indicating a preference for poster presentation to present their paper in one of the oral sessions. If special considerations are requested, please contact the Program Chair prior to the April 20 deadline.

## APMS Sustaining Members

AMERICAN CYANAMID CO.  
Wayne, New Jersey

APPLIED BIOCHEMISTS, Inc.  
Milwaukee, Wisconsin

AQUA-PRO RISK MANAGEMENT  
Howell, Michigan

AQUARIUS SYSTEMS  
North Prairie, Wisconsin

AQUATICS UNLIMITED  
Martinez, California

BREWER INTERNATIONAL  
Vero Beach, Florida

CHEMICAL CONTAINERS, Inc.  
Lake Wales, Florida

CYGNET ENTERPRISES, Inc.  
Flint, Michigan

DOW AGROSCIENCES  
Indianapolis, Indiana

ELF ATOCHEM  
Exton, Pennsylvania

ELLICOTT INTERNATIONAL  
(Mud Cat Division)  
Port Byron, New York

GRIFFIN CORPORATION  
Valdosta, Georgia

HELENA CHEMICAL CO.  
Port Orange, Florida

MENZI USA SALES, Inc.  
Lakeland, Florida

MONSANTO AGRICULTURAL CO.  
St. Louis, Missouri

RESOURCE MANAGEMENT, Inc.  
Tumwater, Washington

RHONE-POULENC AGRICULTURAL CO.  
Research Triangle Park, North Carolina

SEPRO CORPORATION  
Carmel, Indiana

ZENECA PROFESSIONAL PRODUCTS  
Wilmington, Delaware

## AERF Research/Education Update December 1997

The Aquatic Ecosystem Restoration Foundation, Inc. (AERF) has initiated several research and educational efforts during the past year to promote the selective management of nuisance aquatic vegetation. Through the AERF, resources are being leveraged to form Federal, state, academic, and private partnerships for improving the management of exotic pest species through the environmentally-compatible use of herbicides and plant growth regulators. Over a dozen projects and studies are currently being funded and coordinated by the AERF.

One such effort is a large-scale field study that will document the use of fluridone herbicide at low doses (5-6 ppb) to selectively control the exotic submersed species, Eurasian watermilfoil and curlyleaf pondweed, in Michigan lakes. In addition to the AERF, study cooperators include the US Army Engineer Waterways Experiment Station (WES), the Michigan Department of Environmental Quality, Michigan State University, the Michigan Aquatic Managers Association, SePRO Corporation, and various Michigan fluridone distributors, lake associations, and private consultants. Aspects of this unique multi-year effort involve fine-tuning fluridone application rates to maximize efficacy of the target plants while maintaining and enhancing a diverse native plant community during the year of treatment and beyond. In addition, extensive water residue samples are being collected to compare and correlate the conventional (HPLC) fluridone analytical technique with the new immuno-assay (FasTEST) method.

A second cooperative project, involving the AERF, the WES, the Minnesota Department of Natural Resources, Elf Atochem, and Zeneca, is being completed at the WES research facility in Lewisville, TX. This greenhouse study will determine the effects of low water temperature on the efficacy of the herbicides endothal and diquat against curlyleaf pondweed. Results from this effort will provide insight into reducing the turion-producing capacity of this nuisance species, which should give desirable native plants a competitive advantage in habitats invaded by curlyleaf.

On March 22, 1998, the AERF will sponsor a symposium on the selective management of nuisance vegetation using herbicides. This half-day educational seminar will be held in conjunction with the Midwest Aquatic Plant Management Society's annual meeting in Columbus, Ohio. Invited national and international experts from government and academic research institutions will present the latest information on a variety of topics ranging from aquatic ecology, herbicides, fish/plant interactions, human health and toxicology, and ecological impacts of all types of management techniques with respect to selectively controlling aquatic plants and algae.

Established in 1996, the AERF is a non-profit organization dedicated to the environmentally-sound management of aquatic and wetland systems through the responsible use of herbicides to selectively control nuisance vegetation via research and development, public education, regulatory interactions, and public/private/academic partnerships. For more information, contact Mr. Richard Hinterman, President (1-800-359-7531), Dr. Kurt Getsinger, Technical Advisory Committee (601-634-2498), or visit the AERF website at [www.aquatics.org](http://www.aquatics.org).

**Think NEWSLETTER: Submit Articles to Newsletter  
Editor By May 1, 1998**



## APMS Board of Directors, 1997-98

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### Chair

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Site Selection	Joe Zolczynski	334-626-5153	SjoeZ@msn.com
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W.S.S.A. representative	Alison Fox	352-392-1808	amfox@gnv.ifas.ufl.edu

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	Stratford Kay	919-515-5645	stratford_kay@ncsu.edu
Newsletter Editor	Mike Stewart	601-634-2606	stewarr@mail.wes.army.mil
Website	Dave Petty	317-838-7383	dpetty@ndrsite.com

## APMS 1998 Student Paper Contest

Since 1975, the Aquatic Plant Management Society has sponsored a contest designed to encourage student participation in the affairs of the Society, to provide student experience in preparing and presenting scientific papers, and to recognize outstanding achievements by student members of the Society. The 1998 Annual Meeting will be no different, and we look forward to conducting the largest and best student paper contest ever.

As in the past, our success in sponsoring a quality student paper contest is dependent on the participation of all advanced undergraduate and graduate level students. If you have had the opportunity to conduct independent research, we encourage you to present your findings at the 38th Annual Meeting in Memphis. Presentations should be the results of original research and should contain information not previously presented at an APMS meeting. Additionally, the student must have been in full-time status as of January 1, 1998.

The meeting registration fee will be waived for all students presenting a paper at the meeting. In addition to free registration, double occupancy rooms will be provided free of charge, and Student Paper Contest winners will be awarded various prizes.

If you are interested in participating in the 1998 Student Paper Contest, please make a photocopy and complete the Paper Submission Form on Page 7 of this Newsletter. Please indicate on this form that you wish to enter the Student Paper Contest. The address for submitting your paper to the Program Chair, Dr. David Spencer, is included at the bottom of the form. If additional information is needed on the student paper contest, please feel free to contact:

Dr. Michael J. Grodowitz  
U.S. Army Engineer Waterways Experiment Station  
3909 Halls Ferry Road  
Vicksburg, MS 39180  
PHONE: (601)634-2972  
FAX: (601) 634-2398  
E-MAIL: GRODOWM@mail.wes.army.mil

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## SCAPMS 1998 Scholarship Grant

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The South Carolina Aquatic Plant Management Society is seeking applications for its annual scholarship grant. If an appropriate applicant is identified, the Society intends to award the \$2000 grant at its Annual Meeting in August 1998. Grant funds may be used by the recipient to cover any costs associated with education and research activities.

Eligible applicants must be enrolled as full time undergraduate or graduate students in an accredited four year college or university in the United States. Coursework or research in an area related to the biology, ecology or management of aquatic plants in the Southeast is also required.

Applications must be received no later than April 1, 1998 and will be evaluated on the basis of relevant test scores (ACT, SAT, GRE, etc.), high school and/or college grades, quality and relevance of research or coursework, a proposed budget, information obtained from references, and other related considerations. Other factors being equal, preference will be given to applicants enrolled in Southeastern and South Carolina academic institutions.

The successful applicant may be requested to present an oral report on research activities at the Society's Annual Meeting.

For additional information on application procedures for the scholarship grant, contact:

Danny Johnson, South Carolina Department of Natural Resources,  
2221 Devine Street, Suite 222, Columbia, SC 29205.  
Phone: (803) 734-9100, or  
email: johnsond@water.dnr.state.sc.us

----- CALENDAR OF UPCOMING MEETINGS AND EVENTS -----

<u>DATE</u>	<u>EVENT</u>	<u>LOCATION</u>	<u>CONTACT</u>
March 16-19, 1998	Zebra Mussel & Aquatic Nuisance Species Conference	Doubletree Hotel Sacramento, CA	Conference Administrator 1027 Pembroke St. East Suite 200 Pembroke, ON K8A 3M4 Canada Phone: 1-800-868-8776 E-mail: <a href="mailto:profedge@renc.igs.net">profedge@renc.igs.net</a> internet: <a href="http://zebraconf.org">zebraconf.org</a>
March 21-24, 1998	Midwest Aquatic Plant Management Society, Annual Meeting	Marriot Inn Columbus, OH	Joe Bondra Cygnet Enterprises, Inc. 1014 N. Bridge St., P.O. Box 760 Linden, MI 48451-0760 Phone: 810-744-0540 E-mail: <a href="mailto:cygnetent@aol.com">cygnetent@aol.com</a>
March 25-26, 1998	Western Aquatic Plant Management Society, Annual Meeting	Holiday Inn Bayside San Diego, CA	Stuart Perry Vice-President, WAPMS Phone: 209-467-4123
April 15-18	Southeastern Lakes Management Conference	Radisson Plaza Hotel Orlando, FL	Carey Cordell Phone: 407-880-6334 E-mail: <a href="mailto:carey@magicnet.net">carey@magicnet.net</a>
May 13-15, 1998	6th European Weed Research Society, Mediterranean Symposium	Montpellier, France	J. Maillet c/o UFR Biol. and Patho. Veg. ENSA M, Place Pierre Viala, F. 34060 Montpellier cedex 1, France Phone: 04 67 25 16 E-mail: <a href="mailto:maillet@ensam.inra.fr">maillet@ensam.inra.fr</a>
July 12-15, 1998	Aquatic Plant Management Society, Annual Meeting	Holiday Inn Crowne Plaza Memphis, TN	Dr. David Spencer USDA Aquatic Weed Lab Robbins Hall One Shields Avenue Davis, CA 95616 530-752-1096 E-mail: <a href="mailto:dfspencer@ucdavis.edu">dfspencer@ucdavis.edu</a>
August 3-8, 1998	Shallow Lakes 98. International Conference on Trophic Interactions In Shallow Freshwater and Brackish Lakes	Berlin, Germany	Institute of Freshwater Ecology and Inland Fisheries Berlin, Germany WWW: <a href="http://www.igb-berlin.de/www/abt2/abt2.htm">http://www.igb-berlin.de/www/abt2/abt2.htm</a> (Click on Conferences)
September 22-25, 1998	10th International Symposium on Aquatic Weeds, "Towards an Integrated Aquatic Plant Management"	Lisbon, Portugal	APRH Secretariat 10 <sup>th</sup> EWRS Int. Symp. On Aquatic Weeds a/c Laboratorio Nacional de Engenharia Civil, Avenida do Brasil 101 1799 Lisboa codex, Portugal

**FINAL CALL FOR PAPERS**  
**APMS 38TH ANNUAL MEETING**  
**MEMPHIS, TENNESSEE - JULY 12-15, 1998**

You are invited to submit a title and abstract for the 38th Annual Meeting of The Aquatic Plant Management Society. The meeting dates are July 12-15, 1998. Presentations of up to 15 minutes on all aspects of aquatic plant biology, ecology, and management will be considered. Carousel slide projectors and overhead projectors are provided. Other equipment, such as video projection, may be made available but should be discussed with the Program Chair at the time of title submission.

**The Submission Deadline will be April 20, 1998.**

Please type the title, author(s), and their organization and address exactly as you wish them to appear in the program. Please use the form below to submit papers. Abstracts of up to 100 words should be attached to this form. Submitted abstracts will be compiled and provided to meeting participants.

If you have any questions or comments about the program, please contact:

David Spencer, Program Chair  
Tel: (530) 752-1096 Fax: (530) 752-4604  
e-mail: [dfspencer@ucdavis.edu](mailto:dfspencer@ucdavis.edu)

Title of Paper: \_\_\_\_\_

1st Author: Name: \_\_\_\_\_ Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip, Country: \_\_\_\_\_

2nd Author: Name: \_\_\_\_\_ Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip, Country: \_\_\_\_\_

3rd Author: Name: \_\_\_\_\_ Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip, Country: \_\_\_\_\_

Student Paper? YES: \_\_\_\_\_ NO: \_\_\_\_\_

Poster Session? YES: \_\_\_\_\_ NO: \_\_\_\_\_

Please send to: Dr. David Spencer  
USDA Aquatic Weed Lab  
Robbins Hall  
One Shields Avenue  
Davis, CA 95616

This is the FINAL CALL for Papers !!!!!!!



# THE AQUATIC PLANT MANAGEMENT SOCIETY, INC.

The Aquatic Plant Management Society, Inc. is an international organization of scientists, educators, students, commercial pesticide applicators, administrators, and concerned individuals interested in the management and study of aquatic plants. The membership reflects a diversity of federal, state, and local agencies; universities and colleges around the world; corporations; and small businesses.

Originally the Hyacinth Control Society, Inc. when founded in 1961, The Aquatic Plant Management Society, Inc. is a respected source of expertise in the field of biological, mechanical, and chemical aquatic plant management and aquatic plant sciences. The Society has grown to include several regional and state chapters. Through these affiliates, annual meetings, newsletters, and the *Journal of Aquatic Plant Management*, members keep abreast of the latest developments in the field.

The objectives of the Society are to assist in promoting the management of nuisance aquatic plants, to provide for the scientific advancement of members of the society, to encourage scientific research, to promote university scholarship, and to extend and develop public interest in the aquatic plant science discipline.

Send this form to:

The Aquatic Plant Management Society, Inc.  
Post Office Box 1477, Lehigh, FL 33970-1477

## Application for Membership

Name of Applicant \_\_\_\_\_

Home Address \_\_\_\_\_ Zip Code \_\_\_\_\_

Current Title and Business or Institution Name & Address \_\_\_\_\_

Work Phone \_\_\_\_\_ Fax \_\_\_\_\_ e-mail \_\_\_\_\_ Zip Code \_\_\_\_\_

There are three regular classes of membership available to applicants, according to the Charter of our Society which was adopted in 1961. These membership classes are:

ACTIVE MEMBERSHIP .....	\$ 35.00
STUDENT MEMBERSHIP .....	\$ 5.00
COMMERCIAL SUSTAINING MEMBERSHIP .....	\$ 500.00

AMOUNT OF REMITTANCE \$ \_\_\_\_\_

SIGNATURE OF APPLICANT: \_\_\_\_\_

Please check the following to indicate desired membership class and for additional information!

Membership Class:

☐ Active  
☐ Student  
☐ Commercial Sustaining

Please Send Information Regarding Regional Chapters:

☐ Florida Aquatic Plant Management Society  
☐ Mid-South Aquatic Plant Management Society  
☐ Midwest Aquatic Plant Management Society  
☐ South Carolina Aquatic Plant Management Society  
☐ Western Aquatic Plant Management Society  
☐ Texas Aquatic Plant Management Society  
☐ Nile Basin Aquatic Plant Management Society

The Aquatic Plant Management Society, Inc.  
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Lehigh, Florida 33970-1477