



# AQUATIC PLANT NEWS

A newsletter of The Aquatic Plant Management Society, Inc. No. 59 November 1998  
Mike Stewart, Newsletter Editor, CEWES-ES-P, 3909 Halls Ferry Road, Vicksburg, MS 39180

## A Message From the President David F. Spencer

Memphis was great! Thanks to Bob Gunkel, Al Cofrancesco, Lewis Decell, Kurt Getsinger, and Mike Grodowitz for their work on local arrangements. We also owe a big thanks to the meeting sponsors and exhibitors. Their contributions and displays added an important dimension to the meeting and we would be poorer for their absence. Of course, the speakers are the centerpiece of the annual meeting. Thanks to each of them for providing us with the latest advances in aquatic plant management. The two special sessions at this year's meeting, "Advances in Chemical Control Technology" and "Interactions between Native Insects and Eurasian Watermilfoil" were well received and provided an important update on these timely subjects. Thanks to John Madsen and Kurt Getsinger for putting these sessions together. At the Memphis meeting, we experimented with a poster session, as part of the Corps of Engineers' program. By all accounts this effort was a success. Thanks, Bob. This year's group of student participants was especially talented! And, thanks to Bill Haller for his last-minute pinch-hitting as scholastic endowment fund raiser. Due to Bill's persuasive skills and the generosity of our members, the scholastic endowment increased by about \$4000 this year.

Under the able leadership of Alison Fox, the Society has undertaken a number of new initiatives. We all owe Alison a debt of gratitude for her many years of service. Happily, she will continue to offer the board the benefit of her guidance and

wisdom as Immediate-Past President.

The Society has established a homepage on the world wide web ([www.apms.org](http://www.apms.org)). On it you will find useful information about APMS and its operations, including the by-laws, the operating manual, the names, addresses, and e-mail addresses of the officers and committee chairs. There is also a membership directory. Please check that your address, telephone, and e-mail are correct. The homepage is maintained by Dave Petty, who has set up an easy method for you to send your comments and suggestions.

Another exciting development is the graduate student scholarship that will be offered in the coming year, if everything goes as planned. This scholarship (about \$16,000 per year, for up to two years) is being funded cooperatively by APMS, the Regional Chapters (it's noteworthy that all of the Regional Chapters have agreed to support this effort), and the Aquatic Ecosystem Restoration Foundation. The criteria for awarding and administering this program are still being refined. Stay tuned for more information as it becomes available.

The impacts of aquatic plants on society (affecting myriad water uses from drinking water to recreation) are significant. Sometimes deciding the best way to deal with these impacts can be difficult, if not contentious. To meet these challenges, APMS has a new committee (David Tarver is the chair) whose goal is to address issues

of education and outreach. Look for this committee to bring forth proposals for enhancing public understanding of aquatic plant management. Along this line, APMS has recently contributed \$1000 to the National Fish and Wildlife Foundation to help fund production of the video, *Invasive Plant Species Awareness*.

Finally, a word about next year's meeting at the Radisson Hotel in Asheville, North Carolina. What a beautiful setting for our meeting. Lewis Decell (Program Chair) and Chad Coley (Local Arrangements Chair) are already hard at work planning an exciting, interesting, and informative experience. This is an APMS conference that should not be missed. I look forward to seeing you there!

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The above Board of Directors will serve during the 1998-99 business year.

### Nominations for Honorary Membership

Our bylaws allow regular members to nominate candidates for Honorary Membership. Qualified candidates will have been active in the Society for at least ten years, and must be currently retired from active professional involvement in fields related to aquatic plant management. Please consider nominating colleagues you feel are deserving of this award by contacting: Harry Knight, Bylaws Committee Chair, at 205-796-8704, or email to: cullknight@aol.com.

### Special Thanks for 38<sup>th</sup> Annual Meeting Support from the following:

*SePRO Corporation*  
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*Elf Atochem*  
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*Midsouth APMS*  
*U.S. Army Corps of Engineers*

## APMS Committees and Special Representatives

<u>Committee</u>	<u>Chair</u>	<u>Telephone</u>	<u>E-mail</u>
Bylaws and Resolutions	Harry Knight	205-796-8704	cullknight@aol.com
Education	David Tarver	904-668-2352	
Exhibits	Joe Bondra	810-744-0540	bondras3@shianet.org
Finance	Richard Hinterman	810-744-0540	cygnetent@aol.com
Legislative	Scott Jorgensen	517-351-8113	ATI@aol.com
Local Arrangements	Chad Coley	800-661-7909	aquan@gloryroad.net
Membership	Ernest Marquez	360-754-3460	marquez@halcyon.com
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Past Presidents' Advisory	Alison Fox	352-392-1808	amfox@pv.ifas.ufl.edu
Program	Lewis Decell	601-638-7150	jldcom@aol.com
Publications	John D. Madsen	601-634-4631	madsenj@mail.wes.army.mil
Regional Chapters	Jim Schmidt	800-558-5106	jimschmidt@appliedbiochemists.com
Scholastic Endowment	Dan Thayer	561-687-6129	dthayer@sfwmd.gov
Site Selection	Robert Gunkel	601-634-3722	gunkelr@mail.wes.army.mil
Student Affairs	Mike Grodowitz	601-634-2972	grodowm@mail.wes.army.mil

### Special Representatives

B.A.S.S. representative			
C.A.S.T. representative	Lars Anderson	530-752-6260	lwanderson@ucdavis.edu
N.A.L.M.S. representative	Robert Doyle	972-436-2215	rddoyle@gte.net
W.S.S.A. representative	Alison Fox	352-392-1808	amfox@gnv.ifas.ufl.edu

### Ad Hoc Committees

Newsletter Editor	Mike Stewart	601-634-2606	stewart@mail.wes.army.mil
Website	Dave Petty	317-838-7383	dpetty@ndrsite.com
Plant Propagation	Mike Kane	352-392-7937	mek@gnv.ifas.ufl.edu
	David Sutton	954-475-8990	dsu@icon.fld.ufl.edu

## APMS SUSTAINING MEMBERS

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## PLANT IDENTIFICATION CHART



*The very popular, laminated  
"Aquatic Plant Identification  
Chart" is available again.*

These full color 8 1/2" by 11" charts depict 22 of Florida's most common aquatic plants. Plant descriptions, noted facts and features are also included. The cost is only \$2.00 each, which includes postage and shipping. To order, or for more information, contact:

Nancy Allen, USACE  
APC Field Unit  
PO Box 1317  
Palatka FL 32177-1317  
904-328-2737

Checks should be made payable to  
FAPMS. Payment must be received  
before order can be sent.



## SCENES FROM THE 38<sup>TH</sup> ANNUAL MEETING



JULY 12-15, 1998

MEMPHIS, TENNESSEE



**FIRST CALL FOR PAPERS**  
**APMS 39TH ANNUAL MEETING**  
**ASHEVILLE, NORTH CAROLINA - JULY 11-14, 1999**

You are invited to submit a title and abstract for the 39th Annual Meeting of The Aquatic Plant Management Society. The meeting dates are July 11-14, 1999. 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 26, 1999**

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:

Lewis Decell, Program Chair  
Tel: (601) 638-7150  
Fax: (601) 629-9272  
e-mail: jldcom@aol.com

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: \_\_\_\_

If submitting by Postal Service, please mail to: Mr. Lewis Decell  
P.O. Box 821924  
Vicksburg, MS 39182-1924



## GRADUATE ASSISTANTSHIP ANNOUNCEMENT

A graduate assistantship in the area of aquatic plant management and ecology is being offered by The Aquatic Ecosystem Restoration Foundation (AERF), a non-profit applied research and education organization, and the Aquatic Plant Management Society (APMS). Co-sponsors of this academic award include six regional APMS chapters: Florida, Midsouth, Midwest, South Carolina, Texas, and Western.

**Objective:** To provide a stipend for a full-time graduate student to conduct research in the areas involving aquatic herbicides or algicides (used alone or integrated with other management approaches) or in aquatic ecology related to the management of regionally- or nationally-recognized nuisance vegetation.

**Applicants:** Solicitation for proposals is open to any full-time faculty member and/or graduate student of an accredited U.S. academic institution. A faculty sponsor must be identified if application submitted by graduate student.

**Amount:** \$34,000

**Duration:** Two years.

**Proposal Deadline:** Applications must be postmarked no later than 1 April 1999.

**Guidelines for Proposals:** Proposals should contain a concise statement of the project, including its purpose and justification, as well as sections that discuss study objectives, methodologies, schedule, budget, and planned publication of results. Budget should primarily be designated to provide support for a graduate student. The AERF will not pay overhead/indirect costs on approved projects. Resume of faculty applicant and graduate student (if known), not to exceed 2 pages each. Proposals should not exceed 10 pages, and must be signed by the applicant (principal investigator) and appropriate university official. An original and 10 copies should be submitted to: Dr. K.D. Getsinger, AERF Technical Advisory Committee Chair, c/o USAEWES/ES-P, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199.

**Award:** Notification of award will be provided to the faculty member by July 1999, with initiation of the stipend scheduled for the 1999-2000 academic year.

**Inquiries:** Mr. Michael D. Moore, Executive Director AERF, 817 Pepperwood Dr, Lansing, MI 48917, [mdmoore@umich.edu](mailto:mdmoore@umich.edu), (517) 323-7685, or Dr. K.D. Getsinger, [getsink@mail.wes.army.mil](mailto:getsink@mail.wes.army.mil), (601) 634-2498.

**The 39<sup>th</sup> Annual Meeting of the Aquatic Plant Management Society will be held in Asheville, North Carolina, July 11-14, 1999. Additional details will be posted on the APMS website ([www.apms.org](http://www.apms.org)) as they become available.**

### 39<sup>th</sup> Annual Meeting Hotel Reservation Information

Radisson Hotel Asheville  
One Thomas Wolfe Plaza  
Asheville, NC 28801-3071

Conference Room Rates:  
Single: \$72.00\*      Double: \$72.00\*  
Special rate cut-off date: 6/10/99 (\* does not include 9% tax)

# *Salvinia molesta* (Mitchell) in SE Texas and Louisiana

A new introduction of the exotic aquatic plant species, *Salvinia molesta* (Mitchell), or Giant Salvinia, was confirmed for southeastern Texas, in the vicinity of Houston, in April 1998. Giant Salvinia is considered one of the world's worst weeds due to its prolific growth habit, effective means of distribution and difficulty of control. In this latest U. S. finding, a "suspect" plant was initially collected from an elementary school wetland demonstration pond by U.S. Fish & Wildlife Service (USFWS) personnel and forwarded to the authors (Texas Parks & Wildlife Department) for identification. The plant was tentatively identified as *Salvinia molesta*, and samples were forwarded to Colette Jacono of the U.S. Geological Survey (USGS), Biological Resources Div., Gainesville, Florida, and to Dr. Stephan Hatch at the Tracy Herbarium, Texas A&M University, College Station, Texas, for verification. Both institutions identified the plant as *S. molesta* (Mitchell) and the occurrence was documented with herbarium vouchers. Additionally, the identifications were confirmed by Dr. Wendy Forno, Commonwealth Scientific and Industrial Organization, Division of Entomology, in Australia. A fact sheet on *S. molesta* was subsequently developed by the USGS and distributed to resource managers throughout Texas.

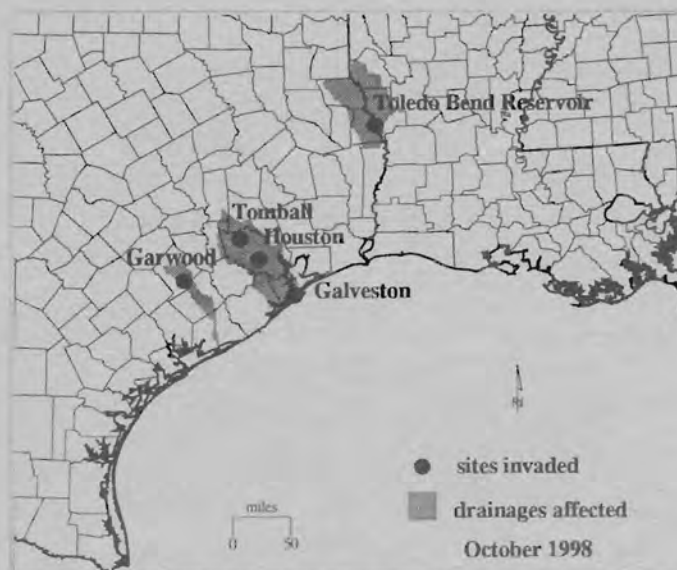
Further investigations by the authors and Ron Jones, USFWS, linked the Houston vicinity infestation to a nursery operator in Galveston County, and subsequently to other occurrences in several private ponds in



**Figure 1.** Giant Salvinia often forms dense mats over the surface of infested waterbodies. Treatment is hindered by the tendency of the free-floating plants to "stack-up", which essentially protects underlying plants from contact herbicides. Photo courtesy of Jim Hyde, Sabine River Authority.

northwest Harris County near Tomball, and to a single pond in southern Montgomery County. Plants were presumably distributed among acquaintances, and the exact number of exchanges will probably never be determined. When questioned, private landowners were reluctant to divulge information.

In late September, 1998, the Sabine River Authority (SRA) reported the occurrence of what they suspected to be *S. molesta* on Toledo Bend Reservoir. A subsequent survey by the authors revealed approximately 1 acre of the plant in the Salter Creek arm (i.e. in Sabine Parish, Louisiana) of this huge border lake. The following day, SRA personnel reported sighting *S. molesta* on the Texas side of the reservoir near the Pendleton Bridge on Highway 21 and also along the main river channel. Also in late September, a commercial applicator reported chemically treating vegetation that had been identified as Giant Salvinia from a pond near Garwood in Colorado County, Texas. A positive identification of the plant has been made.



**Figure 2.** U.S. distribution of *Salvinia molesta* (Mitchell). Map by Colette Jacono, U.S. Geological Survey, Gainesville, FL.

An attempt was made to eradicate the initial infestation in the school wetland demonstration pond using a 0.5% concentration of the aquatic herbicide *Renovate* (Triclopyr) and 0.5% *Aqua-King* surfactant. This effort was only partially successful; an increase in surfactant might have yielded higher efficacy. Plans are to landfill the small wetland. Regarding the perhaps more significant outbreak of *S. molesta* on Toledo Bend Reservoir, federal, state and local agencies must cooperate to effectively combat the expanding outbreak of this alien invader.

Submitted by: Rhandy J. Helton and Larry H. Hartmann  
Texas Parks & Wildlife Department  
Jasper, Texas

**Editor's Note:** At the request of USDA/APHIS, a Giant Salvinia Task Force Meeting was held in Houston, Texas, on Nov. 17, 1998. In response to this interagency meeting, a "Giant Salvinia Action Plan" will be submitted to USDA/APHIS to request FY99 emergency funding to initiate an eradication program for this exotic weed prior to onset of spring regrowth.

For updated info, visit the USGS Aquatic Nuisance Species Program Website at: <http://nas.er.usgs.gov>



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

<u>DATE</u>	<u>EVENT</u>	<u>LOCATION</u>	<u>CONTACT</u>
February 1-5, 1999	ASLO 1999 Aquatic Sciences Meeting Limnology and Oceanography: Navigating into the Next Century	Santa Fe, New Mexico	Helen Schneider Lemay ASLO Business Office Phone: 800-929-ASLO Fax: 254-776-3767 E-mail: <a href="mailto:business@aslo.org">business@aslo.org</a>
February 8-10, 1999	Weed Science Society of America Annual Meeting	San Diego, California	J. Breithaupt P.O. Box 1897 Lawrence, KS 66044 Phone: 913-843-1235 Fax: 913-843-1274 E-mail: <a href="mailto:jbreith@allenpress.com">jbreith@allenpress.com</a> <a href="http://ext.agn.uiuc.edu/wssa/wsinfo">http://ext.agn.uiuc.edu/wssa/wsinfo</a>
March 24-27, 1999	Southeastern Lake Management Society Annual Meeting, Developing Watershed Solutions: Community Partnerships	Clemson University Clemson, South Carolina	Barbara Speziale Clemson University Phone: 864-656-1398 Fax: 864-656-7243 E-mail: <a href="mailto:bjsz@clemson.edu">bjsz@clemson.edu</a>
May 17-21, 1999	8 <sup>th</sup> International Conference on the Conservation and Management of Lakes: Sustainable Lake Management	Copenhagen, Denmark	International Lake Ecology Committee c/o DIS Congress Service Copenhagen A/S Phone: +45 4492 4492 Fax: +45 4492 5050 E-mail: <a href="mailto:dis@inet.uni2.dk">dis@inet.uni2.dk</a>
June 28-July 1, 1999	11 <sup>th</sup> EWRS Smposium	Basel, Switzerland	EWRS Symposium 1999 P.O. Box CH-4332 Stein Switzerland Phone: 41 62 868 60 63 Fax: 41 62 868 64 39
July 11-14, 1999	39 <sup>th</sup> Annual Meeting: Aquatic Plant Management Society	Radisson Hotel Asheville Asheville, North Carolina	Lewis Decell JLD Consulting, Inc. Phone: 601-638-7150 Fax: 601-629-???? E-mail: <a href="mailto:jldcom@aol.com">jldcom@aol.com</a> <a href="http://www.apms.org">http://www.apms.org</a>
July 25-30, 1999	XIV International Plant Protection Congress. Plant Protection Towards The Millennium. Where Chemistry Meets Ecology	Jerusalem, Israel	Congress Secretariat KENES Organizers of Congresses and Tour Operators Ltd. P.O. Box 500006, Tel Aviv 615000 Israel Phone: +972 3 5140014 Fax: +972 3 5175674 / 5140077 E-mail: <a href="mailto:IPPC@Kenes.com">IPPC@Kenes.com</a> <a href="http://www.kenes.com/ippe/index.htm">http://www.kenes.com/ippe/index.htm</a>
July 2000	40 <sup>th</sup> Annual Meeting: Aquatic Plant Management Society	San Diego, California	Information Updates at APMS Website <a href="http://www.apms.org">http://www.apms.org</a>

# 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

Additionally, a subscription membership category is available to those wanting to be added to the mailing list for the *Journal of Aquatic Plant Management* only. This membership category does not include the newsletter, nor do these members vote in society elections.

SUBSCRIPTION MEMBERSHIP ..... \$ 70.00

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

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

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

Membership Class:

Please Send Information Regarding Regional Chapters:

☐ Active  
☐ Student  
☐ Commercial Sustaining

☐ Florida Aquatic Plant Management Society  
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☐ Western Aquatic Plant Management Society  
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