

Midsouth Aquatic Plant Management Society Newsletter

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The 32nd Annual Meeting of the MidSouth Aquatic Plant Management Society September 16-18, 2013 Tunica, MS



The meeting will be held at the Harrah's Casino in Tunica, MS. The Harrah's Tunica spans over 2,200 acres and features first-class accommodations, numerous restaurants, a European-style spa, a Hale Irwin designed golf course, a sporting clays center, and fabulous entertainment.

The meeting program will be filled with many topics of interest including chemical control methods, biological control methods, wildlife interactions, and several other topics of interest in the aquatic industry. Student presenters will provide up-to-date findings of their research work. In addition, industry representatives will exhibit the latest aquatic plant

management products and professional services.

The meeting will kick-off with a welcoming social on Monday evening, which will give everyone time to reacquaint with old friends and meet new friends. The program will begin on Tuesday morning with the Aquatic Plant Workshop and will end with the awards banquet on Wednesday evening.

To make your hotel reservation, call the Harrah's Tunica at 1-866-635-7095. The special guest room rate for MSAPMS is \$65.00 per night. Please mention group code F09MID3 to receive the group rate. You have until August 16, 2013 to receive the group rate. Check-in time is 4:00 p.m. and check-out time is 11:00 a.m. Additional meeting information will be available soon online at www.msapms.org. An exceptional venue and a variety of things to do will make this a memorable meeting so please plan to attend.

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Letter from the President

I hope this finds everyone well and you've enjoyed the spring weather. If you're like me this time of year finds you so busy you don't know which end is up and it's hard to stop for a minute to make sure you're doing the right thing. Somehow, it all works out and by mid-summer we get to take some time for the annual "family vacation" or at least take a few days off.

One issue we're all hearing more about in the aquatic industry is herbicide resistance. With a limited number of active ingredients registered for use in the aquatics industry we are all faced with a unique challenge. In terrestrial weed control, often 3-4 or more products are available for control of a species with several modes of action. Unfortunately this isn't the case in aquatics. The WSSA and APMS have assumed the task of providing a guideline for the aquatics industry. The goal is to have a document that gives aquatic plant managers guidance to prevent herbicide resistance, especially to invasive aquatic weeds in the U.S. The goal is to have this document by the annual WSSA meeting in February 2014.

RISE (Responsible Industry for a Sound Environment) a trade organization that represents the specialty pesticide industry including aquatics continues to work toward a legislative fix for the NPDES requirement. On April 24th, Senators Hagan (D-NC) and Crapo (R-ID) introduced NPDES legislation that would eliminate the need for NPDES permitting in most states (some will continue with it such as CA, OR and WA.). Unfortunately, scandals and budgets are top priorities in DC. I guess some things never change.

The National Aquatic Plant Management Society meeting is fast approaching and will be held in San Antonio at the Westin Riverwalk, July 14-17th. Please make plans to attend. It will be a really good meeting and is at one of the best venues in the country.

We're looking forward to another fun and educational meeting of the MidSouth APMS this year in Tunica, MS on September 16-18th. Please make a special effort to attend; you'll be glad you did. I look forward to seeing all you there.

Sincerely,

Gerald Adrian

Special Entertainment for the 2013 Annual Meeting: The Willows Sporting Clays and Hunting Center

Josh Yerby



Get ready for a change of pace with this year's special entertainment! Harrah's Tunica Resorts offers a unique experience

with its on-site trap shooting range. Willows Sporting Clays and Hunting Center is located on 660 acres inside the Mississippi River levee behind Harrah's Casino in Tunica, Mississippi, just 30 miles south of Memphis. There are 14 different shooting stations with 3 shooting levels each. Golf carts will be provided for transportation between stations. Shotguns and shotgun shells will be provided but if you have that special shotgun that your PawPaw gave you (I do!) that can shoot a bird by itself, then you can bring it. The date for the shoot is Monday, September 16. The plan is to start after lunch and end in time to rest up for the reception. Everyone is welcome to take part in this sure to be fun event, however if you plan on attending please RSVP with Sherry Whitaker via email at sherry.l.whitaker@usace.army.mil no later than August 16, 2013. We need a minimum of 20 participants in order to shoot. The cost is \$100 with proceeds going towards the scholarship fund.

32nd Annual Meeting of the MidSouth APMS Registration Form



Delegate/Student Information

Name: _____
 Affiliation: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 E-mail Address: _____
 Phone: _____ Fax: _____

Registration (Includes Reception, Lunch, Banquet, and Refreshment Breaks)

	Early <i>(by August 16, 2013)</i>	At the Door	
<input type="checkbox"/> Delegate Registration <i>(Includes 2013-2014 Regular Membership Dues)</i>	\$ 145.00	\$ 170.00	\$ _____
<input type="checkbox"/> Aquatic Plant Management Workshop			
<input type="checkbox"/> Student Registration (Presenting Paper)	\$ 0.00	\$ 0.00	\$ <u>0.00</u>
<input type="checkbox"/> Student Registration (Not Presenting Paper) <i>(Includes 2013-2014 Student Membership Dues)</i>	\$ 35.00	\$ 35.00	\$ _____
<input type="checkbox"/> Guest Registration Name: _____ <i>(Spouse, partner, child over 12 years-of-age)</i>	\$ 50.00	\$ 75.00	\$ _____

2013-2014 Membership Dues

<input type="checkbox"/> Student	\$ 5.00	\$ _____
<input type="checkbox"/> Sustaining	\$ 50.00	\$ _____

*** PLEASE NOTE that Sustaining membership dues are paid with an Exhibit Fee ****

Meeting Sponsorship

<input type="checkbox"/> Platinum	\$ 1500.00	\$ _____
<input type="checkbox"/> Gold	\$ 1000.00	\$ _____
<input type="checkbox"/> Silver	\$ 500.00	\$ _____
<input type="checkbox"/> Contributing	\$ 250.00	\$ _____

Exhibitor Space (Includes 1 booth space, 1 free registration and 1 Sustaining Membership for 2013-2014)

<input type="checkbox"/> Exhibit Booth Space (8'x 10')	\$ 450.00	\$ _____
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Electricity Required for Exhibit Yes No

A 6-foot table is included with the booth space, and electrical hook-up can be provided with prior notice. Space is Allocated on a first-come, first-served basis. Please note that one free registration and a 2013-2014 Sustaining Membership are included in the Exhibit Fee.

Donation to the Scholarship Fund **

	\$ 100.00	\$ _____
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(There will be a Trap Shoot at The Willows Sport ing Clays on the afternoon of Monday, September 16. A minimum of 20 participants is required. All proceeds will go to the MSAPMS Scholarship Fund)

Total Amount

\$ _____

Credit Card Type _____ Card Number _____ Exp. _____

Cardholder _____ Signature _____ Date _____

Early registration accepted if form and payment received by Aug. 16, 2013.

Please mail completed form and payment to:

Sherry Whitaker

MSAPMS

P.O. Box 822792

Vicksburg, MS 39182

Ph: (601) 634-2990 Fax: (601) 634-5502

Cancellation/Refund Policy: Registration fees are fully refundable prior to August 30, 2013. No refund of any fees will be issued if cancellation of participation is received after August 30, 2013. Notice of cancellation must be received by MSAPMS via mail, fax or e-mail. **Phone cancellations will not be accepted.**



**MidSouth Aquatic Plant Management
Society 32nd Annual Conference
Harrah's Grand Tunica
Tunica, MS
September 16-18, 2013**

Second Call for Papers

Oral presentations will be 15 minutes, including questions. Presentations are encouraged on all aspects of aquatic and wetland plant management, biology, and ecology. Presenters are requested to register for the conference.

Please e-mail the Title Form, attached below, and a brief abstract (250 words or less) by June 30, 2013:

Sherry Whitaker
US Army Engineer Research and Development Center
sherry.l.whitaker@usace.army.mil

A computer and projector to handle Power Point presentations will be provided. No other presentation format will be supported. Please bring your presentation on a USB compatible flash or CD.

Title Form

Title: _____

Corresponding Author: _____

Affiliation: _____

Address: _____

Phone: _____ E-mail: _____

PLEASE DO NOT DELAY. MAKE PLANS TO ATTEND, PRESENT, AND PARTICIPATE IN THIS CONFERENCE. INVITE THOSE YOU ASSOCIATE WITH TO SUBMIT AN ABSTRACT AS WELL!

Editorial Guidelines

The MidSouth Aquatic Plant Management Society

Font: Times New Roman, size 12

Title: Bold, upper case. Align Left. End with period.

Author: Name follows Title, sentence case. Underline name of presenting author. Separate authors with commas. End with semicolon.

Affiliation: Sentence case. Include author's affiliation, address with zip code, e-mail address. If needed, insert semicolon and follow with second author's information. If there are three or more authors, add superscripts for clarity (for example, John Smith¹). Justify.

Body of Abstract: Leave one blank line between title/author/affiliations and the body of the abstract. No indentation; one paragraph only. Justify.

Scientific Names: For plants, animals, and microbes, etc., use the WSSA approved common name followed by the genus and species names in italics, wherever possible (for example, diquat dibromide).

Scientific Units: Use of Metric or English units are acceptable. Use of standard abbreviations is acceptable.

See example below:

LITTORAL ZONE PLANT COMMUNITIES IN THE ROSS BARNETT RESERVOIR, MS.

Wersal, R.M¹, J.D. Madsen¹ and M.L. Tagert²; ¹GeoResouces Institute, Mississippi State University, Box 9652 Mississippi State, MS 39762-9652, rwersal@gri.msstate.edu. ² Mississippi Water Resources Research Institute, Mississippi State University, Box 9680 Mississippi State, MS 39762-9680

The Ross Barnett Reservoir is a 33,000 acre surface water impoundment created on the Pearl River near Jackson, Mississippi. The Reservoir is the primary source of potable water for the city of Jackson. It provides recreational opportunities in the form of fishing, boating, water sports, and onshore camping and hiking. In recent years, non-native aquatic macrophytes have increased in distribution, impeding navigation, fishing, and reduced the aesthetics of waterfront properties. We conducted a whole-lake survey in June 2005 to assess the distribution and abundance of plant communities in the Reservoir to serve as a starting point for a long term management plan. In October 2006 a survey of the littoral zone (water depths of ≤ 10 feet) was conducted based on the points sampled in 2005. A plant rake was deployed at each of 508 points visited. Species presence was mapped using handheld computers outfitted with GPS receivers, and data stored in database templates using Farm Site Mate software. A total of 21 aquatic or riparian plant species were observed growing in or along the shoreline of the littoral zone. American lotus and water primrose were the most common plant species observed in the littoral zone (17.7 % and 7.4% respectively). Non-native plants included alligatorweed (*Alternanthera philoxeroides*) (3.9%), waterhyacinth (*Eichhornia crassipes*) (2.9%), and hydrilla (*Hydrilla verticillata*) (0.6%). Bladderwort (*Utricularia vulgaris*), a native submersed aquatic plant was also observed (0.4%) for the first time. Overall, species occurrence was lower during in 2006 than in 2005.

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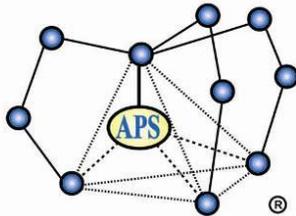
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2013 MidSouth Aquatic Plant Management Society Scholarship Opportunity

The MSAPMS is seeking applications for the 2013 graduate student scholarship to be awarded at the 2013 annual meeting. We request that the successful applicant attend the meeting and give a presentation, if possible. One scholarship of \$2,000 will be awarded to a qualified student applicant.

To apply, The Scholarship Committee should receive the following information before June 1, 2013:

1. A cover letter which includes the applicant's previous, current, and future relationship to the aquatic plant management industry, and a comment on the importance of the proposed research to aquatic plant management.
2. Copies of unofficial or official transcripts of undergraduate and any graduate work completed to date (these transcripts may be those issued directly to the student by the institution);
3. A letter from the student's major professor recommending the student for the scholarship, indicating that the student is currently enrolled and in good standing and has had their research proposal approved by their graduate advisory committee;

4. A copy of the approved graduate research proposal; and
5. One letter of recommendation, other than the major professor.

All submissions may be made with either hardcopy, addressed as below, or electronically via e-mail.

To enter an application or request more information, contact:

Dr. John D. Madsen
Mississippi State University
Geosystems Research Institute
Box 9627
Mississippi State, MS 39762-9627
Ph. 662-325-2428
E-mail. jmadsen@gri.msstate.edu

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Graduate Student Opportunity

The MidSouth Aquatic Plant Management Society invites all graduate students to attend the annual meetings. The location and dates are decided each spring for the following fall, and a call for papers is released in the spring. Students that contribute an oral presentation will receive free lodging (shared with another student), free conference registration, and a check for \$100.

Students should contact the current President-Elect and Program Chair to enroll in this opportunity. Watch for the Call for Papers and newsletters coming out during the spring, which will include details of this opportunity.

All other students attending the conference will receive a reduced registration rate that will include society membership.

2014 Board of Director Nominees

President-elect - Josh Yerby, Alabama Power
Secretary - Tom Warmouth, Cygnet
Editor -- Ryan Wersal, Lonza
2 year term - Bo Burns, Valent
2 Year term - Jeremy Slade, UPI
1 Year term - Alex Perret, LDWF

MSAPMS Scholarship Update

Amanda Fernandez, Mississippi State University



In August 2010, I began working on my Master of Science (Weed Science) degree under Dr. John Madsen at Mississippi State University after working as his undergraduate student for two summers. My research topics included chemical management of Cuban bulrush (*Oxycaryum cubense*), an epiphytic sedge that can overtake waterhyacinth (*Eichhornia crassipes*), and testing a new floating GPS tracking device that monitors drift in water. The device yields more detailed drift patterns than other methods such

as drift cards which have been used previously to mimic plant dispersal. At the 2011 MidSouth Aquatic Plant Management Meeting, I received the research scholarship which went toward funding the GPS tracking device research.

Graduate school has allowed me to begin building my professional foundation in that I have met many wonderful people at society meetings, in the classroom; and while doing field work. Graduate research under Dr. Madsen has also provided the opportunity to work in places like Thompson Falls, Montana, and my favorite worksite, Lake Havasu, Arizona. Lastly, it has taught me some life lessons that I never imagined I could do, such as pull a large boat across country by myself three times. This is truly amazing since when I first started, I could not even back up a trailer.

I am currently working on my thesis and hope to graduate this August. Thanks again to the MSAPMS for helping support my research.

Sincerely,

Amanda Fernandez

Bo Burns
Aquatics Territory Manager

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Fax 925-817-5069
bo.burns@valent.com

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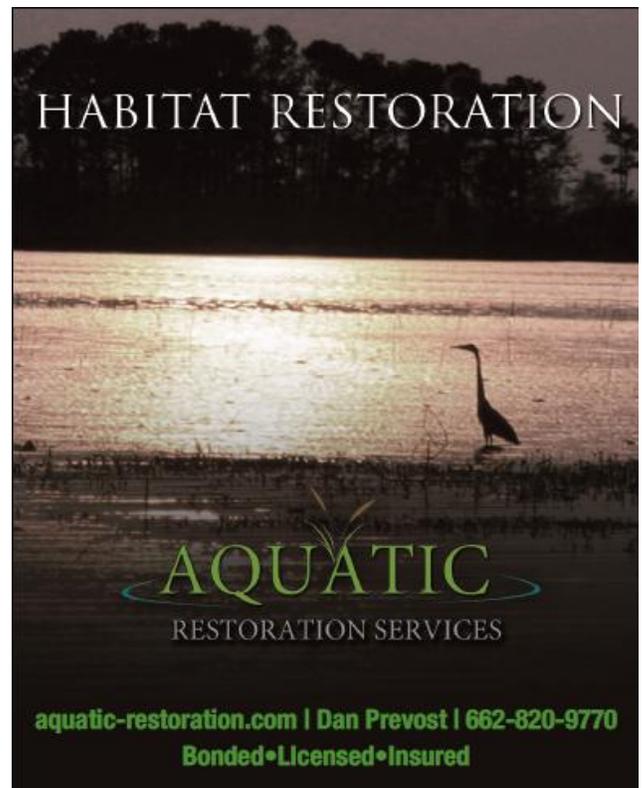
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FIRST AID	
IF IN EYES:	Flush eyes open with clean water for 15-20 minutes. Remove contact lenses, if present, after flushing. Do not rub affected eyes. Call a poison control center or doctor for treatment advice.
IF ON SKIN:	Wash thoroughly with soap and water. Remove contaminated clothing or shoes, if applicable. Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to drink to a person who has swallowed.
IF INHALED:	Move person to fresh air. If breathing is difficult, call a poison control center or doctor for treatment advice.
IF EXPOSED TO CLOTHING:	Remove and isolate contaminated clothing and shoes. Wash thoroughly with soap and water. Call a poison control center or doctor for treatment advice.
IF ON HANDS:	Wash thoroughly with soap and water. Call a poison control center or doctor for treatment advice.
IF ON FACE:	Wash face thoroughly with soap and water. Call a poison control center or doctor for treatment advice.
IF ON HAIR:	Wash hair thoroughly with soap and water. Call a poison control center or doctor for treatment advice.
IF ON SHIRT:	Wash shirt thoroughly with soap and water. Call a poison control center or doctor for treatment advice.
IF ON SLACKS:	Wash slacks thoroughly with soap and water. Call a poison control center or doctor for treatment advice.
IF ON SHOES:	Wash shoes thoroughly with soap and water. Call a poison control center or doctor for treatment advice.
IF ON GLOVES:	Wash gloves thoroughly with soap and water. Call a poison control center or doctor for treatment advice.
IF ON Goggles:	Wash goggles thoroughly with soap and water. Call a poison control center or doctor for treatment advice.
IF ON CONTACT LENSES:	Remove contact lenses and wash thoroughly with soap and water. Call a poison control center or doctor for treatment advice.
IF ON CONTACT LENS SOLUTION:	Wash contact lens solution thoroughly with soap and water. Call a poison control center or doctor for treatment advice.
IF ON CONTACT LENS CASE:	Wash contact lens case thoroughly with soap and water. Call a poison control center or doctor for treatment advice.
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Cygnit Enterprises, Inc.
Future Horizons
Helena Chemical Company
SePRO Corporation
Solitude Lake Management
Syngenta Professional Products
United Phosphorus, Inc
Valent Professional Products
Vertex Water Features
Winfield Solutions, LLC

Calendar of Events

**Aquatic Plant Management Society &
Texas Aquatic Plant Management Society**
Jul 13-17, 2013
San Antonio, TX
www.apms.org

Florida Aquatic Plant Management Society
Oct 14-17, 2013
St. Augustine, FL
www.fapms.org

MidSouth Aquatic Plant Management Society
Sep 16-18, 2013
Tunica, MS
www.msapms.org

**South Carolina Aquatic Plant
Management Society**
October 23-25, 2013
Myrtle Beach, SC
www.scapms.org



**October newsletter deadline, September 30, 2013. Send information to:
ryan.wersal@lonza.com**