# Midsouth Aquatic Plant Management Society Newsletter

## Volume 26 Number 2

## May 2008

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# The 27<sup>th</sup> Annual Meeting Registration is Now Open



The 27<sup>th</sup> Annual Meeting of the MidSouth Aquatic Plant Management Society will be held October 21-23, 2008 at the Renaissance Riverview Plaza Hotel in Mobile, Alabama.

The meeting program will offer exemplary presentations of water resource management topics that will be

certain to peak the interest of all attendees. The program will begin Wednesday morning and end Thursday at noon. In addition, industry exhibits will provide useful information on aquatic plant management products and services. Our meeting will begin with the Welcoming Reception on Tuesday evening, an excellent time to reacquaint with old friends and meet new friends. The Banquet on Wednesday evening will be a memorable event, featuring great food and beverage.

Reservations for hotel accommodations at the Renaissance Riverview Plaza Hotel must be made before September 21, 2008. Our special guest room rate is \$119.00 single or double occupancy per night plus applicable tax, currently 14%. A limited number of rooms are available at the prevailing government per diem rate on a first come, first serve basis. A valid government I.D. will be required at check-in. To make reservations for regular or government rated rooms, call Renaissance Riverview Plaza reservations at 800-922-3298, and be sure to mention our group as "MidSouth Aquatic". Reservations for regular rated rooms may also be made online at www.marriott.com: 1) find the city (Mobile); 2) then the hotel (Renaissance Riverview Plaza); 3) on the Renaissance Riverview Plaza home page enter our group code "msamsaa" in the box located at the bottom right corner of the screen; 4) and then follow the instructions. Government rated rooms must call the "800" number. All reservations must be guaranteed with a major credit card or accompanied by a first night room deposit. Cancellation of reservations must be made at least 72 hours prior to arrival date. Check-in time is 3:00 p.m. and check-out time is 12:00 p.m.

The meeting registration fees are \$100 for delegates, \$50 for guests (spouse, partner, child over 12 years of age), and \$35 for students (not presenting a paper), if received by September 21, 2008. After which, fees at the door will be \$150 for delegates and \$75 for guests. Please help by completing the Registration Form and submitting it prior to September 21, 2008.

An exceptional venue and a variety of things to do will make this a memorable meeting, so plan to attend.



# **Registration Form**

#### **Delegate/Student Information**

Name:				 
Affiliation:				 
Address:				 
City: State:			_ Zip Code:	 
E-mail Address:				 
Phone:	Fax:			 
<b><u>Registration</u></b> (Includes Reception, Lunch, Banquet, and Refreshment Breaks)	1			
Delegate Registration (Includes 2008 Regular Membership Dues)		<b>Early</b> mber 21, 2008) 100.00	<b>At the Door</b> \$ 150.00	\$ 
□ Student Registration (Presenting Paper)	\$	0.00	\$ 0.00	\$ 0.00
□ Student Registration (Not Presenting Paper) (Includes 2008 Student Membership Dues)	\$	35.00	\$ 35.00	\$ 
Guest Registration Name:	\$	50.00	\$ 75.00	\$
2008 Membership Dues				
□ Student	\$	5.00		\$ 
□ Sustaining	\$	50.00		\$ 
Total Amount				\$

#### Early registration accepted if form and payment received by September 21, 2008.

#### **Please Mail Completed Form and Payment to:**

Jeremy Slade U.S. Army Engineer R&D Center, EP-P 3909 Halls Ferry Road Vicksburg, MS 39180-6199 E-mail: Jeremy.G.Slade@usace.army.mil Fax: 601-634-2617

#### **Cancellation/Refund Policy**

Registration fees are fully refundable prior to September 30, 2008, less a \$25.00 processing and handling fee. No refund of any fees will be issued if cancellation of participation is received after September 30, 2008. Notice of cancellation must be received by MSAPMS via mail, fax, or e-mail. **Phone cancellations will not be accepted.** 

#### 2008 MidSouth Aquatic Plant Management Society Scholarship Opportunity

The MSAPMS is seeking applications for the 2008 scholarship to be awarded at the 27th annual meeting in Mobile, AL. One scholarship of \$2,000 will be awarded to a qualified student applicant.

To apply, The Scholarship Committee should receive the following information on or before June 14, 2008:

- **1.** Official transcripts of undergraduate and any graduate work completed to date;
- 2. 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;
- **3.** A copy of the research proposal; and
- **4.** Two letters or recommendation (other than the major professor)

To enter an application or request more information, contact:

Dr. John D. Madsen Mississippi State University GeoResources Institute Box 9652 Mississippi State, MS 39762-9652 Ph. 662-325-2428 E-mail. jmadsen@gri.msstate.edu

#### **Graduate Student Opportunity**

The MidSouth Aquatic Plant Management Society invites all graduate students to attend the 27<sup>th</sup> Annual Meeting in Mobile, Alabama, October 21-23, 2008. Students that contribute an oral presentation will receive free lodging, shared with another student, free conference registration, and a check for \$100. All students attending the conference will receive a reduced registration rate that will include society membership. Students should contact the program chairman, John Madsen, at jmadsen@gri.msstate.edu, to enroll in this opportunity.

## **Call for Papers**

#### MidSouth Aquatic Plant Management Society

27th Annual Meeting Mobile, AL October 21-23, 2008

You are invited to submit a title and abstract for the 25<sup>th</sup> Annual Meeting of the MidSouth Aquatic Plant Management Society to be held October 21-23, 2008 at the Renaissance Riverview Plaza Hotel in Mobile, Alabama. Presentations on all aspects of aquatic plant management, biology, and ecology will be considered. Oral presentations are allotted a total of 15 minutes. An LCD projector, computer, projection screen, and laser pointer will be available for oral presentations. Only PC-based MS PowerPoint presentations will be accepted. You will not be allowed to set up a personal computer to run your presentation.

#### **Electronic Submission**

It is preferred that all presentation submissions be made electronically in MS Word. Please submit your title, abstract (250 word maximum), author(s), affiliation, and address exactly as you wish them to appear in the program. A title form is available in the newsletter, from the webpage, and from the program chair.

E-mail Submission to: jmadsen@gri.msstate.edu

Submission Deadline: July 31, 2008

**Note:** You will be required to submit a CD or flash drive with your final PowerPoint presentation upon registration. All presentations that include externally run programs, models, or special animation must be reviewed and approved by the Program Chair one (1) week before the meeting. No Exceptions!

September Newsletter Deadline August 15, 2008 Send Newsletter Items to: Ryan Wersal Mississippi State University GeoResources Institute rwersal@gri.msstate.edu



# MSAPMS 2008 Conference *Call for Papers* October 21 – 23, 2008 Renaissance Riverview Plaza Hotel Mobile, Alabama

Oral presentations will be 15 minutes, including questions. Posters will be mounted in the main meeting room. 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 July 31, 2008:

John D. Madsen GeoResources Institute Mississippi State University Box 9652 Mississippi State, 39762 E-mail: jmadsen@gri.msstate.edu

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				
Presentation Format: Oral Presentation	Poster			
Title:				
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 Smith<sup>1</sup>). 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.

<u>Wersal, R.M<sup>1</sup></u>, J.D. Madsen<sup>1</sup> and M.L. Tagert<sup>2</sup>; <sup>1</sup>GeoResouces Institute, Mississippi State University, Box 9652 Mississippi State, MS 39762-9652, rwersal@gri.msstate.edu. <sup>2</sup> 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  $\leq 10$  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.

## Council for Agricultural Science and Technology Update

John D. Madsen, Mississippi State University

The Aquatic Plant Management Society has been a member of the Council for Agricultural Science and Technology, better known as CAST, since 1979. While on the face of it this may appear to be an odd choice, a better knowledge of CAST and its mission helps to explain the fit.

The mission of CAST is as follows: "CAST assembles, interprets, and communicates credible. science-based information regionally, nationally, and internationally to legislators, regulators, policymakers, the media, the private sector, and the public." To carry out this process, each member society selects a representative to work as a board member to develop peer-reviewed reports that address specific issues or concerns. These reports attempt to bring the best scientific information to bear, rather than formulating specific policy. While most of the topics address agricultural issues, CAST has also worked on invasive plant, pesticide, and irrigation water issues. Past reports have included issue papers on invasive plant species and pesticides in water and groundwater. A list of reports is available at the webpage, http://www.cast-science.org.

One of the main issues that will be of interest to APMS members that is being addressed by CAST during the coming year will be the interaction of the Endangered Species Act with plant management activities, pesticide registration and reregistration. Specific proposals for addressing these issues is still pending, but look for a series of issue papers or reports to be developed on this topic of great importance to the aquatic plant management industry.

If you have specific ideas or issues of interest to the Aquatic Plant Management Society that you would like CAST to address, I am the new CAST representative for APMS, and you can contact me at jmadsen@gri.msstate.edu.

## New Advertisement Opportunities in the Newsletter

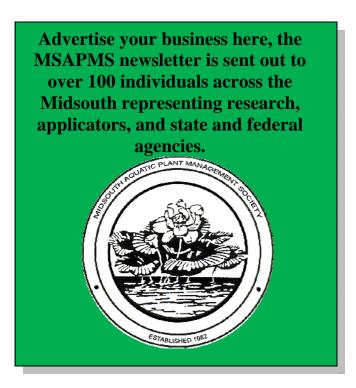
Beginning January 2009, the Midsouth Aquatic Plant Management Society will offer 4 levels of advertisement in the Newsletter. This change was presented to the Board of Directors during the midwinter board meeting in February of this year. The board unanimously approved the following levels:

Business Card Advertisement	\$50
Quarter Page Advertisement	\$100
Half Page Advertisement	\$200
Full Page Advertisement	\$400

Advertisements should be should be submitted electronically as a jpeg, tiff, or equivalent. All advertisements should be high quality and reproducible. Interested companies are also encouraged to become sustaining members for an additional \$50.

## 5<sup>th</sup> World Congress on Allelopathy

The International Allelopathy Society will hold its triannual congress on September 21-25, 2008 in Saratoga Springs, NY. There will be sessions on all aspects of allelopathy, including allelopathy in agriculture and the role of allelopathy in invasive species success. For further information go to the website (www.iascongress5.org), where you will be able to download the brochure for the meeting.



## 27<sup>th</sup> Annual Meeting: Industry Sponsorship Levels

#### Platinum \$2,500 or more

- Website recognition listing on meeting sponsor page, with direct link to sponsor's homepage
- Program recognition listing on meeting sponsor page
- Meeting recognition listing on meeting sponsor sign
- Fifteen (15) minute product update
- One (1) complimentary meeting registration
  One (1) complimentary single exhibit booth space
- Meeting recognition prominent sign as special event sponsor or co-sponsor

#### Gold \$1,500

- Website recognition listing on meeting sponsor page, with direct link to sponsor's homepage
- Program recognition listing on meeting sponsor page
- Meeting recognition listing on meeting sponsor sign
- Ten (10) minute product update
- One (1) complimentary meeting registration

#### Silver \$1,000

- Website recognition listing on meeting sponsor page, with direct link to sponsor's homepage
- Program recognition listing on meeting sponsor page
- Meeting recognition listing on meeting sponsor sign
- Five (5) minute product update

#### Bronze \$500

- Website recognition listing on meeting sponsor page, with direct link to sponsor's homepage
- Program recognition listing on meeting sponsor page
- Meeting recognition listing on meeting sponsor sign

## 35<sup>th</sup> Natural Areas Conference Natural Areas Revival in Music City: Tuning into a changing climate and biological invasion

The 2008 Natural Areas Conference will be a joint conference of the Natural Areas Association (NAA) and the National Association of Exotic Pest Plant Councils (NAEPPC) held October 14-17 at the Doubletree Hotel in Nashville, Tennessee. The conference will celebrate the 30th anniversary of the NAA and will be an inaugural national conference for NAEPPC. The conference will focus on ecological management themes with an emphasis on invasive exotic species issues. The NAEPPC will bring its invasive species expertise to the conference and the two organizations will provide synergy in organizing what is expected to be an outstanding conference. The plenary and concurrent sessions will address the conference theme "tuning into a changing climate and biological invasion" and field trips and workshop will provide training opportunities for participants. Join us for an informative and rewarding experience.

#### **General Topics to be Covered**

**Global Conservation Issues** Early Detection and Rapid Response **Invasive Species Impacts** Management and Control of Invasive Species Prevention of Invasive Species **Invasive Species Policy** Forest Health Issues **Cooperative Weed Management Areas** St Louis Declaration Weed Risk Assessment Process Karst Ecology Grassland Ecology Urban Natural Areas Natural Areas Conservation by land trusts Freshwater Conservation Rare Element Conservation State and Federal Natural Areas Protected Areas Databases

For more information contact us: www.naturalarea.org mail@naturalarea.org

#### A Weed by any Other Name...

John D. Madsen, Mississippi State University

Those of you who have been in the aquatic plant management industry for a number of years may be puzzled by the profusion of names and terms to refer to the targets of your industry. Natural resource managers use terms like exotic, nonnative, invasive, noxious plant, and (more rarely) weed. What do they all mean?

Weed. A weed is a plant that causes economic, ecological, or aesthetic harm. It interferes with the use of land or water as determined by the user. Obviously, any plant can be a weed, and one person's weed is another person's treasure. That being said, a general consensus emerges on plants that tend to be weeds more often than others.

**Exotic**. Exotic is a now archaic term to refer to any organism that is found outside their native range. Exotic is more commonly referred to species that are introduced to a new continent, as opposed to a range extension in the same continent; the more inclusive use is not uncommon. Since exotic sounds exciting and desirable to some folks, the term **nonnative** was brought forward by well-meaning wordsmiths. Both terms, exotic and nonnative, can refer to species that are beneficial, neutral, or troublesome. While some nonnative species cause problems, the vast majority does not and in fact may be economically beneficial. The term alien is also used in this context, but most folks tend to think of that as extraterrestrial rather than extracontinental.

**Invasive**. Beginning about 20 years ago, a new term was developed to specifically target nonnative species that cause economic harm. This was in part to allay the concerns of the horticultural industry over the growing activism regarding nonnative plants invading natural areas. The National Invasive Species Council defines an invasive species as a nonnative species "whose introduction does or is likely to cause economic or environmental harm or harm to human health." This one term then combines both the concept of nonnative and harm in one word. Therefore, and invasive plant is a nonnative weed, but a weed may not necessarily be invasive based on this definition.

**Noxious**. While noxious is a term that is used in common terms to define species that create problems, this term is used almost exclusively now to refer to species (mostly plants) that are regulated by law as a nuisance. Both the federal government and many state governments have codified into law various restricted, regulated, and managed weeds through "Noxious Weed Law."

I hope this overview helps in understanding the profusion of terms regarding weeds. If you are still a little confused, don't feel bad. The Weed Science Society of America committees have been debating a definition of "weed" for over a year now, and a resolution is nowhere in sight.

## Professional Vegetation Management (ProVM) has received full label approval from the U.S. Environmental Protection Agency (EPA).

Clearcast, a new product from BASF ProVM, is designed for vegetation management professionals who require selective aquatic and shoreline weed control with minimal irrigation limitations. Clearcast is highly selective - it controls target weeds, leaving desirables unaffected - making it ideal for aquatic areas that support wildlife habitat, fishing and other recreational activities.

In 2006 and 2007, Clearcast was applied through an Experimental Use Permit (EUP) in 17 states. Applications showed good control of floating, emerged and shoreline species such as common salvinia, water hyacinth, watershield, water lily, cattail, phragmites and giant reed. Additionally, targeted applications can control invasive exotics such as Chinese tallowtree without harming desirable hardwood vegetation.

Clearcast may be applied directly to water for the control of submerged aquatic plant species; as a foliar application specifically for emergent and floating species; and via ground or aerial equipment including both fixed wing and helicopter. There are minimal irrigation restrictions and no restrictions on swimming, fishing or drinking water.

Please visit www.vmanswers.com to find more information and your local sales representative.

#### BASF Professional Vegetation Management announces 2007 $QVM^{TM}$ Project Habitat <sup>TM</sup> Award winners

RESEARCH TRIANGLE PARK, NC, February 19, 2008 – BASF Professional Vegetation Management is excited to congratulate the winners of the 2007 QVM Project Habitat Awards, announced at the second annual awards banquet on Thursday, Jan. 31, 2008, in Peachtree City, Georgia.

The QVM Project Habitat Awards is an annual awards program designed to honor projects that demonstrate the principles and practices of Quality Vegetation Management<sup>™</sup> (QVM). Winning programs represented an outstanding commitment to one or more of the QVM Principals and Practices.

Winning organizations in each category include:

- Forestry Non-Industrial Private Landowners Thompson Forest Consultants with Aerial Specialists, Greenwood, South Carolina
- Forestry Corporate/Industrial Land Mason, Bruce and Girard with Total Forestry, Auburn, California
- Forestry Government or Non-Profit Lands Camp Minden, State of Louisiana with Pineland Improvements, Minden, Louisiana

#### • Aquatic – Private Land Managers Twin Valley Weed Management Area with SkyCopter & Chem-trol/VMS Red Could, Nebraska

• Aquatic – Government or Non-Profit Lands

Loxahatchee National Wildlife Refuge with Helicopter Applicators, South Florida Water Management District and the Department of Environmental Protection Boynton Beach, Florida

- Utility Investor Owned Duke Energy with Superior Forestry Service, Inc., Clemmons, North Carolina
- Utility Municipal New York Power Authority with Lewis Tree, Marcy, New York
- Utility Cooperative Fort Loudoun and Cherokee National Forest with Southeast Woodland Services Vonore, Tennessee
- Invasive Vegetation Management on Private Lands Mississippi Coastal Plain RC&D with Progressive Solutions, Wiggins, Mississippi
- Invasive Vegetation Management on Government or Non-Profit Lands US Fish and Wildlife with FDC Enterprises East Lansing, Michigan
- Roadside Johnson County with Chem-trol/VMS Iowa City, Iowa
- Specialty Other (TIE) City of El Campo with El Campo Spraying El Campo, Texas And CenterPoint Energy with SprayCo, Conroe, Texas
- Specialty University/Educational Research Mary Kahrs Warnell with B&S Air, Inc. Eatonton, Georgia

For more information on the 2008 QVM Project Habitat Awards or QVM, please visit www.vmanswers.com.

Visit the MSAPMS Website: www.msapms.org The membership list can be viewed by using the following:

User Name: msapms Password: lilypad

#### **Thank You Sustaining Members for Supporting the Midsouth Aquatic Plant Management Society**

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If you need more information or are interested in becoming a sustaining member please contact:

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#### **Calendar of Events**

May 20 – 22 10<sup>th</sup> Annual Symposium of the South East Exotic Pest Plants Council Biloxi, Mississippi www.se-eppc.org

May 26-30, 2008 Society of Wetland Scientist 29<sup>th</sup> Annual Meeting Washington D.C. http://www.sws.org/2008\_meeting/

May 27-30, 2008 Weeds Across Boarders Conference Banff, Alberta, Canada http://www.invasiveplants.ab.ca/

June 2-5, 2008 Florida Lake Management Society and Southeast Regional Lake Management Society Meeting Sandestin, Florida http://www.nalms.org/Conferences

June 13-14, 2008 New England Lake Management Society Meeting Fairlee, Vermont http://www.nalms.org/Conferences/ June 23-27, 2008 Fifth International Congress, International Weed Science Society Vancouver, Canada. http://iws.ucdavis.edu/5intlweedcong.htm

July 13 - 16, 2008 48<sup>th</sup> Annual Meeting of the Aquatic Plant Management Society, Inc. Joint meeting with the South Carolina Chapter The Mills House Hotel Charleston, South Carolina www.apms.org

August 3-8, 2008 Ecological Society of America 93<sup>rd</sup> Annual Meeting Milwaukee, Wisconsin http://www.esa.org/milwaukee/

September 8-10, 2008 Texas Aquatic Plant Management Society Meeting Bandera, Texas http://www.tapms.org

#### MidSouth APMS Newsletter

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