Midsouth Aquatic Plant Management Society Newsletter

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27th Annual Meeting of the Midsouth APMS to be Held at the Renaissance Riverview Plaza Hotel



Photo used with permission of The Renaissance Riverview Plaza Hotel

The 27th Annual Meeting of the MidSouth Aquatic Plant Management Society will be held at the Renaissance Riverview Plaza Hotel in downtown Mobile, Alabama. The planning committee was successful in finding a great venue for the preferred dates of October 21-23, 2008.

The Renaissance Riverview Plaza Hotel is one of Mobile's premier hotels located in the revitalized downtown business and entertainment district. It offers a restaurant, lounge, and cyber café and is minutes from Mobile attractions such as the USS Alabama, Bellingrath Gardens, The Gulf Coast Exploreum and IMAX, Mobile Botanical Gardens, and the Mobile Museum of Art, as well as a host of other restaurants and attractions.

First Call for Papers for the 27th Annual Meeting in Mobile, AL

You are invited to submit a title and an abstract for an oral or poster presentation for the 2008 meeting. Presentations on aquatic plant management, biology, and ecology will be considered. Please submit abstracts along with presentation title, your full name, organization, address, e-mail address, phone number, and fax number; also include the names, addresses, and organizations for additional authors. A title submission form and instructions for the abstract are included, or can be requested in electronic format from John Madsen at jmadsen@gri.msstate.edu. Deadline for submissions will be July 31, 2008, to facilitate the formation of the final program.



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: _____ Corresponding Author: Phone: E-mail:

PLEASE DO NOT DELAY. MAKE PLANS TO ATTEND, PRESENT, AND PARTICIPATE IN THIS CONFERENCE. INVITE YOUR ASSOCIATES 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.

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.

For more information contact:

Dr. John Rodgers Clemson Institute of Environmental Toxicology P.O. Box 709 Pendleton, SC 29670 (864) 646-2960 (864) 646-2260 jrodgers@clemson.edu

Phycomycin SCP Label Changes

Applied Biochemists

Keri Hessel

Tel. 800/558-5106

Email: khessel@appliedbiochemists.com

Applied Biochemists, a division of Advantis Technologies Inc., announces EPA approval of changes to their product label of Phycomycin[®] SCP, algaecide and oxidizer. Upper limit dosage rates have been increased to 100 pounds per acre-foot vs. the prior maximum limit of 16.9 lbs. New use sites have also been registered including: irrigation, drainage and conveyance ditches, canals, laterals; estuaries, bayous, lagoons, water gardens and water features; impounded water and waste water; in addition to previously labeled lakes, ponds and drinking water reservoirs and aquaculture. The higher dosage rate option and expanded use sites offer end-users improved flexibility in providing your algae control options.

Phycomycin® SCP is an 85% active granulated form of Sodium Carbonate Peroxyhydrate, and is available in 50 lb. bags through quality Distributors servicing the aquatics market. Phycomycin® SCP primarily targets blue-green algae (Cyanobacteria), however, other forms have shown some susceptibility at the higher label rates. This product additionally has NSF (National Sanitation Foundation) certification for use in drinking water systems (where required). There are no restrictions on use of water for swimming, fishing, irrigation, stock watering, drinking, or domestic use following treatment.

Since these label changes were initiated on production runs made in early summer of 2007, it is possible some prior labeled product is still in the channels of trade. As with all aquatic products, always read and following all label instructions and precautions.

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

Password: lilypad **User Name: msapms**

First Record of Egeria densa In Mississippi

John D. Madsen

In April 2007, Egeria was identified in a 6-acre pond in Pearl River County, southern Mississippi. The pond is privately owned so it is unclear as to how the plant became established.



MSAPMS Board of Directors will hold their mid-winter board meeting at Mississippi State University, **GeoResources Institute.** The tentative date for the meeting is February 22 at 11:00 am.

A Special Thank You to Bob Gunkel

Bob has decided he has had enough and retired recently from the U.S. Army Engineer Research and Development Center after more than 30 years of service. Bob has been a very active member in both the MSAPMS society and the APMS society serving on the board of directors and being the chair of many of the committees. Over the years Bob has served in all of the positions of the MSAPMS board of directors and is currently the past president. He is also currently serving as the treasurer for the APMS society and was presented with the President's Award in 2004.

Bob has been a driving force in the MSAPMS and for the field of aquatic plant management. The MSAPMS would like to extend a special thank you to Bob for all of his hard work and dedication and wish him all the best in his retirement

An Update on the Florida Right-of-Way & Aquatic Pesticide Applicator Training

Bryan Goldsby attended the Right-of-Way & Aquatic Pest Applicator Training course this past October 16-18 in Panama City Beach, Florida. He said this was the first time the course was offered and focused primarily on right-of-way issues and pest control, however their were some discussions on aquatic species. Bryan passed out numerous MSAPMS brochures and received a great deal of positive feedback and interest from others at the meeting in joining MSAPMS, so maybe membership will increase in 2008. "All in all it was a nice informative meeting" Bryan Goldsby.

GRI Celebrates National GIS Day Introducing Kids to the Use of GIS in the **Natural Environment**

Joy Shehane

On Wednesday, November 14, 2007, about 165 Starkville area students attended a GIS Day event hosted by the GeoResources Institute and the Northern Gulf Institute. This has been the fourth year the GRI has hosted a GIS Day event. The day was comprised of a rotation of sessions focused on different GIS technology applications in subjects such as geography, agricultural science, earth science, and environmental science. Faculty and students from Forestry, GeoSciences, and Plant and Soil Sciences worked

together to present some of the many uses of GIS and other spatial technologies in real world applications. Activities included aquatic plant surveys, forest stand visualization, GPS navigation, and computer cartography.

Featured during the day was a bus that housed a mobile lab. Students were led through exercises in using ArcGIS to create detailed maps of Oktibbeha County. Also featured was a Precision Agriculture workshop showcasing equipment used for precision farming by researchers in the Plant and Soil Science Department. Equipment was brought over from the University's research farm, so that students could get an up close and personal look.

Led by GIS Day Organizer, Joby Prince, the core committee members for National GIS Day consisted of GRI staffers John Cartwright, Wade Givens, Rita Jackson, Debbie McBride, Gunnar Olson, Louis Wasson, and Ryan Wersal.

The National Geographic Society has sponsored Geography Awareness Week since 1987 to promote geographic literacy, with a focus on the education of children. The level of geographic knowledge in our country is disturbingly poor. Studies have shown that half of young Americans can not find New York on a map; only 37% of young Americans can find Iraq on a map, though U.S. troops have been there since 2003, and one third of young adults did not know the time difference between New York and Los Angeles. GIS Day is an outreach event on the Wednesday of Geography Awareness Week.

The day concluded with a hot dog picnic on the HPC patio, and was considered a huge success by all involved.



Robles Elected Next Student Representative to the Aquatic Plant **Management Society**



Wilfredo Robles, Mississippi State University, was elected by his peers to serve as the 2007-2008 student representative. This is the second student representative to serve on the Aquatic Plant Management Society Board of Directors.

Wilfredo graduated from the University of Puerto Rico with a B.S. degree in Agricultural Sciences and a M.S. degree in entomology. He was employed in 2002 as a research associate at the Agricultural Experimental Research Station at the University of Puerto Rico. Since 2004, he has been at Mississippi State University working towards his Ph.D. in Weed Science. His dissertation research focuses on the Population Assessment and Herbicide Injury Detection on Aquatic Plants Using Remote Sensing.

He is active in both the MSAPMS and the APMS. Wilfredo was awarded the 2007 MSAPMS scholarship. As the student representative he hopes to address the needs and concerns of the student members of the APMS to the Board of Directors. Wilfredo wants to use this experience to become more active in the societies and create a new Caribbean Chapter once he joins the faculty at the University of Puerto Rico later this year.

Parrotfeather: An Overlooked Nuisance?

Ryan M. Wersal

Parrotfeather (*Myriophyllum aquaticum*) is a non-native plant from South America. The first record of this plant in the United States was in 1890 in New Jersey. Since its introduction it has spread down the east coast across the southern states and can be found as far north as the

state of Washington on the west coast. Parrotfeather is heterophyllous, meaning it has two distinct leaf forms on the same plant. It can grow completely submersed or more commonly as an emergent perennial.

Parrotfeather spreads exclusively by fragmentation. These fragments root in moist soil and begin to form stolons. Emergent shoots are produced at the nodes of stolons as it creeps across the water surface. Parrotfeather is often overlooked in areas where it occurs unit it becomes firmly established. Although parrotfeather does not display the rapid invasion characteristics as species such as Eurasian watermilfoil or hydrilla, it can colonize and over take a variety of habitats in a short period of time. Parrotfeather has also shown resiliency towards many of the current management strategies available.

Parrotfeather is not a listed on the Federal Noxious Weed list and therefore buying, selling, and transporting this species is not restricted in most states. Parrotfeather is widely sold in the water garden industry and is one of the most popular plants sold for this purpose. The buying and selling of this species is undoubtedly aiding in its spread.

In Mississippi, parrotfeather is widespread and causes localized nuisance problems. The most impacted habitats include shallow water-bodies, farm ponds, and streams. Infestations typically result in impeding of water flow, flooding, and reduced access to waterbodies for recreation and cattle use. Parrotfeather is not listed on the Mississippi State Noxious Weed List.

For more information regarding parrotfeather go to:

http://www.gri.msstate.edu/information/pubs/docs/2006 /Fact%20Sheet%20-%20Parrotfeather.pdf



Parrotfeather infestation near the town of Lake, MS

2008 South Carolina Aquatic Plant **Management Society Scholarship Opportunity**

The South Carolina Aquatic Plant Management Society is seeking applications for its annual Phillip M. Fields Scholarship Award. The Society intends to award a \$3,000 scholarship to the successful applicant in the fall of 2008. Scholarship funds may be used by the recipient to cover costs associated with education and research expenses. Eligible applicants must be enrolled as full time undergraduate or graduate students in an accredited college or university in the United States. Course work or research in an area related to the biology, ecology or management of aquatic plants in the South east is also required.

Applications must be received no later than May 1, 2008 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 course work or research, 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 annual meeting of the Society. Application forms and additional information is available at http://scapms.org/scapmsscholarship.htm

Please send completed application materials to:

Steven deKozlowski Chairman, Scholarship Committee **SCAPMS** P.O. Box 167 Columbia, SC 29202 803-734-9114 dekozlowskis@dnr.sc.gov

May Newsletter Deadline April 15, 2008

Send Newsletter Items to:

Ryan Wersal Mississippi State University GeoResources Institute Box 9652 Mississippi State, MS 39762 Phone: 662-325-4595

Fax: 662-325-7692 E-mail: rwersal@gri.msstate.edu

The 48th Annual Meeting of APMS will be Held in Charleston, SC

The next Aquatic Plant Management Society meeting will be held at the historic Mills House Hotel in Charleston, South Carolina. The hotel is over 150 years old and blends southern charm with modern luxury. Charleston offers many opportunities to explore it past complete with museums, forts, and plantations. The planning committee is planning exciting events for entertainment, relaxation, and catching up with colleagues and friends. As always, the meeting program should be filled with diverse and educational oral and poster presentations.

For more information visit the APMS website at www.apms.org.

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Advertise your business here, the MSAPMS newsletter is sent out to over 100 individuals across the Midsouth that represent research, applicators, and state and federal agencies.



Craig Aguillard **Territory Manager**

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NATIONAL INVASIVE WEED AWARENESS WEEK

WHAT: Ninth Annual National Invasive Weeds Awareness Week

WHEN: February 24 - 29, 2008 WHERE: Washington, D.C.

Organizations and Individuals who Support Invasive Weed Management and WHO:

Ecosystem Restoration

The Ninth Annual National Invasive Weeds Awareness Week (NIWAW 9) will be held in Washington, D.C. the week of February 24 to February 29, 2008 to bring people and groups from across the country together to focus national attention on the severe impacts caused by invasive weeds. Individuals and organizations interested in this issue are invited to participate in this event and help build on the success of NIWAW activities in previous years. NIWAW 9 events are designed to focus on the important roles the Federal government must play to help the U.S. deal with invasive weed problems. We have also designed the schedule to provide ample time for attendees to meet with their Congressional delegations, individual federal agencies and each other.

NIWAW 9 Event Highlights

- Standing exhibits at the United States Botanic Garden Conservatory
- > Sunday Kid's Fun Day Activities at the United States Botanic Garden Conservatory
- Sunday evening Mixer at the Hotel
- > Monday morning breakfast and kickoff session on current national invasive weed issues.
- > Tuesday evening reception at the United States Botanic Garden Conservatory for participants and our Washington allies to socialize in a pleasant and relaxed setting
- > Tuesday afternoon briefing by the Corps of Engineers
- > Tuesday and Wednesday briefings with the U.S. Departments of Agriculture and the Interior.
- Wednesday afternoon NGO Partnership Building Roundtable
- > Thursday morning special meeting of FICMNEW (Federal Interagency Committee for the Management of Noxious and Exotic Weeds)
- > Thursday afternoon briefing by the Environmental Protection Agency
- > Special meetings with Federal Agencies on Tuesday, Wednesday, and Thursday

NIWAW 9 is organized by the Invasive Weeds Awareness Coalition, a Washington D.C.-based coalition dedicated to increasing awareness of invasive weed problems and the associated research and management needs. Although some events during the week are open to the public, access to the full array of activities will require payment of a modest registration fee.

For More Details Please Visit The NIWAW 9 Website http://www.nawma.org/niwaw/niwaw_index.htm

Four Points by Sheraton Hotel

1201 K Street NW, Washington, DC is the Headquarters Hotel for NIWAW 9

For additional information on NIWAW 9 contact:

Dr. Nelroy Jackson (951-279-7787) or nelroyjackson@sbcglobal.net

NIWAW 9 Registration Deadline: FEBRUARY 1, 2008 "NIWAW Block" Hotel Reservations (202-289-7600) Deadline: JANUARY 24, 2008

Calendar of Events

January 28 - 30

Annual Meeting of the Southern Weed Science Society Jacksonville, Florida

www.weedscience.msstate.edu/swss/

February 4 - 7, 2008

Weed Science Society of America Annual Meeting Chicago, Illinois

www.wssa.net

February 24 - 29, 2008

9th Annual National Invasive Weed Awareness Week

Washington, D.C.

www.nawma.org

March 1 - 3, 2008 28th Annual Meeting of the Midwest Aquatic Plant

Management Society

Sandusky, OH

www.mapms.org

March 3 - 6,2008

Annual Meeting of the Western Aquatic Plant

Management Society

Lake Tahoe, California

www.wapms.org

May 20 - 22

10th Annual Symposium of the South East Exotic Pest

Plants Council

Biloxi, Mississippi

www.se-eppc.org

May 26 - 30, 2008

29th Annual Meeting of the Society of Wetland

Scientists

Washington, D.C.

http://www.sws.org

July 13 - 16, 2008

48th Annual Meeting of the Aquatic Plant Management

Society, Inc.

The Mills House Hotel

Charleston, SC

www.apms.org

MidSouth APMS Newsletter

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