

# MidSouth Aquatic Plant Management Society

## Newsletter

Volume 25 Number 1

January 2007

### BOARD OF DIRECTORS

#### Officers

**BOB GUNKEL** - President  
601-634-3722  
[robert.c.gunkel@erdc.usace.army.mil](mailto:robert.c.gunkel@erdc.usace.army.mil)

**BRYAN GOLDSBY** - President Elect  
888-669-3337  
[goldsby1@hotmail.com](mailto:goldsby1@hotmail.com)

**DAVID BREWSTER** - Secretary  
256-571-4283  
[dgbrewster@tva.gov](mailto:dgbrewster@tva.gov)

**GREG WALL** - Treasurer  
662-465-6146  
[doublegobble@earthlink.net](mailto:doublegobble@earthlink.net)

**SHERRY WHITAKER** - Editor  
601-634-2990  
[sherry.l.whitaker@erdc.usace.army.mil](mailto:sherry.l.whitaker@erdc.usace.army.mil)

**CRAIG AGUILLARD** - Past President  
337-363-6032  
[craig.aguillard@cerexagri.com](mailto:craig.aguillard@cerexagri.com)

#### Directors

**DAMON ABERNATHY**  
334-353-0270  
[damon.abernathy@dcnr.alabama.gov](mailto:damon.abernathy@dcnr.alabama.gov)

**JASON CARLEE**  
205-664-6230  
[jcarlee@southernco.com](mailto:jcarlee@southernco.com)

**JOHN MADSEN**  
662-325-2428  
[jmadsen@gri.msstate.edu](mailto:jmadsen@gri.msstate.edu)

**GREG REYNOLDS**  
813-907-6539  
[greg.reynolds@syngenta.com](mailto:greg.reynolds@syngenta.com)



## David Bayne Receives Honorary Membership



Dr. David Bayne was the recipient of the MidSouth Aquatic Plant Management Society (APMS) Honorary Member Award during the 25<sup>th</sup> Annual Meeting, October 24-26, 2006 in Orange Beach, Alabama. David was presented with a plaque from Craig Aguillard in recognition of his significant contributions in the field of aquatic plant management and his outstanding support of our Society. Beginning in 1979, David was

instrumental in organizing several meetings of representatives from Federal agencies, state agencies, universities, and private industry to discuss aquatic plant problems and potential management solutions. In 1982, the Aquatic Plant Management Society, Inc., agreed to sponsor the formation of the MidSouth APMS chapter, and David was elected as our Society's first President and served as President for the first 2 years.

## Nashville, TN Site of the 26<sup>th</sup> Annual MidSouth Aquatic Plant Management Society Meeting



The 26<sup>th</sup> annual meeting of the MidSouth APMS will be held in conjunction with the National APMS Meeting during July 15-18, 2007. Mark your calendar for this extraordinary meeting. The Gaylord Opryland Resort & Convention Center in Nashville, TN will be the site of the meeting. Gaylord Opryland offers nine acres of gardens, winding rivers and pathways, and waterfalls under climate-controlled glass atriums where you can shop, dine, and be entertained.

The Meeting Planning Committee is planning exciting and entertaining events for relaxing and visiting with friends and colleagues. The Program Committee promises a diverse and interesting program with excellent oral and poster presentations on aquatic plant research and management. In addition, useful information on available aquatic plant management products and professional services will be provided in the exhibits room throughout the meeting.

This will be an exceptional meeting and an experience to remember! Plan now to attend the meeting and explore all "Music City, USA" has to offer. More meeting information will be coming soon to the APMS website at [www.apms.org](http://www.apms.org).

# 8<sup>th</sup> Annual National Invasive Weed Awareness Week

The eighth annual National Invasive Weed Awareness Week (NIWAW 8) will be held in Washington, D.C., during February 25 through March 2, 2007. The purpose of this meeting is to bring together people and groups from across the country to focus national attention on the severe impacts caused by invasive species. 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 8 events are designed to focus on the important roles the Federal government must play to help the U.S. deal with invasive weed problems.

NIWAW 8 is organized by the Invasive Weed Awareness Coalition, a Washington D.C.-based coalition dedicated to increasing awareness of invasive weed problems and the associated research and management needs. For more details please visit the NIWAW website: [http://www.nawma.org/niwaw/niwaw\\_index.htm](http://www.nawma.org/niwaw/niwaw_index.htm) or contact Dr. Nelroy Jackson by phone (951) 279-7787 or by e-mail at [nelroyjackson@sbcglobal.net](mailto:nelroyjackson@sbcglobal.net).

\*\*\*\*\*

## Waterhyacinth's "phyto-enemy"

Wilfredo Robles

GeoResources Institute, Mississippi State University

Can the "world's worst aquatic weed" be outcompeted by another plant? I asked myself this question two years ago when I began studying waterhyacinth phenology on Lake Columbus, MS. I had just arrived from a tropical island, Puerto Rico, where this plant is uncontrolled. At that point, I believed that no plant could compete with waterhyacinth and that the only way to manage waterhyacinth was chemically in combination with mechanical and biological control. After two years surveying waterhyacinth, my answer has changed. I believe it is possible for another plant to outcompete waterhyacinth. The waterhyacinth's "phyto-enemy" or competitor was identified as *Scirpus cubensis*, also known as Cuban bulrush. Cuban bulrush is a rhizomatous epiphytic sedge native to tropical America that grows supported by floating aquatic plants. Its roots and rhizomes form a web with

waterhyacinth's roots, allowing it to float. Cuban bulrush has been observed growing on top of a waterhyacinth mat. Also, Cuban bulrush may form plant stands of 1 foot tall that may shade out waterhyacinth (Figure 1). In one quadrat, Cuban bulrush coverage was 75%, while that of waterhyacinth was only 25% (Figure 2). Dense growth of Cuban bulrush has been observed on Lake Columbus, in Lowndes County, MS, and in Lake Aberdeen, Monroe County, MS, during 2004-2006. Cuban bulrush will establish on top of waterhyacinth and suppress waterhyacinth growth.

### Acknowledgments

I would like to thank Drs. John D. Madsen and Victor Maddox for their guidance, article review and plant identification.



Figure 1. One foot tall Cuban bulrush stands shading out waterhyacinth. Photo taken May 12, 2006 on Lake Columbus, MS.



Figure 2. A 0.10 m<sup>2</sup> quadrat placed over waterhyacinth and Cuban bulrush mat in Lake Columbus, MS. Photo taken May 12, 2006 on Lake Columbus, MS.

# MSAPMS 2006 Annual Meeting Orange Beach, Alabama October 24-26, 2006

## Thank You, Meeting Sponsors!

The Board of Directors and the general membership of the MSAPMS wish to thank the following sponsors for their support of the 25<sup>th</sup> Annual Meeting. Through the generosity of their contributions, we were able to conduct an extremely informative and successful meeting.



### *Platinum Level*

BASF Corporation  
Cerexagri-Nisso, LLC  
Helena Chemical Company  
Syngenta Professional Products  
U.S. Army Engineer R&D Center

### *Gold Level*

Aquatic Ecosystem Restoration Foundation  
SePRO Corporation

### *Silver Level*

Applied Biochemists  
Phoenix Environmental Care, LLC

### *Bronze Level*

AquaServices, Inc.  
Cygnet Enterprises, Inc.  
Peroxygen Solutions  
UAP Distribution



# Minutes of the Business Meeting

The MSAPMS Annual Business Meeting was held in Perdido Beach Resort; Orange Beach, Alabama, on October 25, 2006. The meeting was called to order at 4:35 pm by President Craig Aguillard.

**Secretary Report:** David Brewster reported that there were 91 delegates and 8 guests registered; bringing the total attendance during the 25<sup>th</sup> Annual Meeting to 99. Of those, there were 57 that pre-registered for the meeting and 7 sustaining memberships to the Society. The current membership stands at 66 members to the Society, 37 joined through pre-registration and 29 joined at the door with two being students. There were 617 raffle tickets sold at \$1 per ticket during the meeting and all proceeds go toward the MSAPMS Scholarship fund.

The programs agenda was presented to surrounding States for consideration for Continuing Education Credits (CEU's) or re-certification points toward Aquatic Pesticide Applicator Permit. Those members that have a permit and want to register need to register at the front desk for their respective State. The program for the meeting met the following States requirements for points toward re-certification, Alabama, Georgia, Louisiana, Mississippi, North Carolina and Tennessee. There were several people in attendance that held permits in Florida, Kentucky and South Carolina that requested the Society contact those States and inquire about accreditation for attendance during this meeting. The Secretary will contact those States and submit a program for consideration.

Prior to this meeting it was brought to the secretary's attention that the State of Alabama had not awarded re-certification points to those that signed up during last years meeting. The State of Alabama's, Department of Agriculture and Industry's, Pesticide Division was contacted about this issue. It was confirmed that State had received the necessary paperwork, but due to an oversight re-certification points had not been given to attendees that registered for re-certification points in 2005. Last years list of attendees that signed up were resent to the State and they would reinstate points to the submitted attendees.

**Financial Report:** Greg Wall reported that the books were audited by Renee Beam and Harry Knight; they found a minor mathematical error but that the final balances were correct. Greg explained the different accounts for the Society and what corrections were made. The accounts are as follows:

Total Assets through October 1:

Compass Bank - \$18,833.82

Peoples Bank (Operational) - \$6,079.29

Peoples Bank (MSAPMS Scholarship) - \$1,788.40

Peoples Bank (AL Power Scholarship) - \$9,760.69

Total MSAPMS Assets - \$68,546.19

There were no questions and a motion was made by Randall Goodman to accept the final report as amended and was seconded by Bryan Goldsby. The motion was accepted by unanimous voice vote.

**Newsletter/Editors Report:** Sherry Whitaker reported that there would be three newsletters in 2007, with the first newsletter being electronically distributed in January. All newsletters are being distributed electronically except for a few, to members that don't have email, they are mailed hard copies. She request that if anyone was not receiving their newsletter to contact the secretary to confirm their contact information. A motion was made by Randall Goodman to accept the editor's report and was seconded by Bryan Goldsby. The motion was accepted by unanimous voice vote.

**Nominating Committee Report:** On the behalf of Joe Jernigan, Craig Aguillard presented the list of nominations for the 2007 Board of Directors for consideration by the membership:

This years slate of nominees include President Bob Gunkel, President Elect Bryan Goldsby, Secretary David Brewster, Treasurer Greg Wall, Editor Sherry Whitaker, and Directors Jason Carlee, Damon Abernathy, John Madsen and Greg Reynolds.

The floor was opened for additional nominations for the Board of Directors. None were presented for consideration. A motion was made by Randall Goodman to accept the nominations as presented and was seconded by Ken Weathers. The motion was accepted by unanimous voice vote.

Craig Aguillard welcomed incoming President Bob Gunkel. Bob thanked all the presenters during this years meeting and reported that there were no presentation cancellation making this program a great success. He also wanted to thank all that assisted in putting this program and meeting together, if it was not for them this meeting would not have been such a success. He encourages each participant of this years meeting to show their thanks and support to this years sponsor's.

**Old Business:** No old Business

**New Business:** In a previous newsletter the proposed updates recommended by the Board to the Society's By-Laws were printed. These updates must be published and presented to the membership for review 30 days prior to any vote whether to accept or deny the proposed updates. The floor was open for discussion or questions about the proposed updates. There was no discussion or questions on the proposed updates. A motion was made to accept the changes by Bryan Goldsby, Jason Carlee seconded and the motion was accepted by unanimous voice vote.

President Bob Gunkel requested a special meeting of the Board of Directors following the final Business meeting.

A motion was made to adjourn at 4:50 p.m., the motion was seconded, and the motion was unanimous.

\*\*\*\*\*

## **MSAPMS Scholarship Application Procedure**

The Scholarship Committee should receive the following information on or before March 15, 2007:

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 of recommendation (other than the major professor).

Send this information to:

Dr. John D. Madsen  
GeoResources Institute  
Box 9652  
Mississippi State, MS 39762-9652  
Ph. 662-325-2428  
E-mail: [jmadsen@gri.msstate.edu](mailto:jmadsen@gri.msstate.edu)

## **South Carolina APMS Scholarship Award**

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 2007. 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 Southeast is also required.

Applications must be received no later than May 1, 2007 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.

Steve de Kozlowski  
SC Dept. of Natural Resources  
PO Box 167  
Rembert C. Dennis Bldg  
Columbia, SC 29201  
Phone (803) 734-9114  
E-mail: [dekozlowskis@dnr.sc.gov](mailto:dekozlowskis@dnr.sc.gov)

\*\*\*\*\*

### **Board of Directors Winter Meeting**

The Board of Directors Winter Meeting is scheduled for February 22, 2007 at the GeoResources Institute at Mississippi State University. If you have any items for the Board of Directors to address, please send them to Bob Gunkel by January 31, 2007 at [robert.c.gunkel@erdc.usace.army.mil](mailto:robert.c.gunkel@erdc.usace.army.mil).

## Ryan Wersal Named as First Aquatic Plant Management Society Student Representative



Ryan Wersal, Mississippi State University, has been selected as the first student representative to serve on the APMS Board of Directors. Student members appointed Wersal based on his ideas regarding the role of a “student representative.” The student representative

will serve a 1-year term as a non-voting member on the Board and will attend and participate in all of the Board of Directors meeting during their term. Financial support to attend Board meetings will be provided by the APMS. Representation on the Board of Directors is the first step toward increasing student involvement in the Society.

Congratulations to Ryan on this achievement as well as being the recipient of the 2006 MidSouth APMS Scholarship.

\*\*\*\*\*

## New Submersed Aquatic Plant and Algae Online Resource from Cerexagri-Nisso LLC

A new aquatics website has been developed for Cerexagri-Nisso Aquatic Products and can be accessed at <http://www.cerexagri-nisso.com/ahm>. The site features a full listing of emergent, floating leaf and submersed plants along with algae, complete with images and descriptions in a user-friendly, drop-down menu format. Other resources included are research and technical information, product technical sheets for Aquathol K, Aquathol Super K, Hydrothol, and Hydrothol Granular along with links to MSDS and Labels for your convenience. You may also download a favorite version of the Lake Bellwood video, a case study in Aquatic Plant and Habitat Management.

## Aquatic Plant Management Society’s Journal of Aquatic Plant Management

Do you have missing issues of the *Journal of Aquatic Plant Management* that you want to replace? If so, you are in luck. The APMS is offering to replace your journals for free. Some of the earlier issues are no longer available; however, most issues are on the shelf and can be readily shipped. Large orders (20+ journals) will require shipping costs to be paid by the recipient. The shipping cost to send a complete set of journals is typically \$16-20 if mailed in the U.S. Journals are subject to availability, so act now.

Send requests via e-mail to Linda Nelson at [Linda.S.Nelson@erdc.usace.army.mil](mailto:Linda.S.Nelson@erdc.usace.army.mil). Indicate the journal volume number(s), date of each issue, and your full mailing address.

As a reminder, Volumes 1 through 41 (1962 through 2003) are available as full-text articles in PDF format on the APMS website. Go to [www.apms.org](http://www.apms.org) and click on “Publications.” Articles are accessible via Table of Contents or by using the search function. The APMS maintains a two-year lag between the current publication and online availability.

\*\*\*\*\*

Visit the MSAPMS Website: [www.msapms.org](http://www.msapms.org)  
The membership list can be viewed by using the following:

UserName: msapms Password: lilypad

\*\*\*\*\*

**May Newsletter Deadline  
April 15, 2006**

**Send Newsletter Items to:**

Sherry Whitaker, CEERD-EE-A  
U.S. Army Engineer R&D Center  
3909 Halls Ferry Road  
Vicksburg, MS 39180-6199  
Phone: 601-634-2990  
Fax: 601-634-2398

E-mail: [Sherry.L.Whitaker@erdc.usace.army.mil](mailto:Sherry.L.Whitaker@erdc.usace.army.mil)

\*\*\*\*\*

## APMS Graduate Assistantship Available for 2007

A graduate assistantship in the area of aquatic plant management and ecology is being offered by the Aquatic Plant Management Society (APMS) and the Aquatic Ecosystem Restoration Foundation (AERF). Co-sponsors of this academic award include regional APMS chapters.

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

**Applications:** 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 the application is submitted by a graduate student.

**Amount:** \$60,000

**Duration of Award:** Two years (\$30,000 per year)

**Proposal Deadline:** Applications must be postmarked no later than April 30, 2007.

**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. The APMS will not pay overhead/indirect costs on approved projects. Resume of faculty applicant and graduate student (if known), not to exceed two pages each, should be included. Proposals should not exceed 10 pages and must be signed by the applicant and appropriate University official. An original and electronic copy should be submitted to:

Mr. Carlton Layne  
3272 Sherman Ridge Dr.  
Marietta, GA 30064  
Phone: 678-773-1364  
Fax: 770-499-0158  
Email: [clayne@aquatics.org](mailto:clayne@aquatics.org)

**Award:** Notification of award will be provided to the faculty member by July 2007, with initiation of the stipend scheduled for the 2007-2008 academic Year.

**Inquiries:** For further information, please contact Carlton Layne at the address above.

## Call For Papers The Aquatic Plant Management Society 47<sup>th</sup> Annual Meeting Nashville, TN – July 15-18, 2007

You are invited to submit a title and abstract for the 47<sup>th</sup> Annual Meeting of the Aquatic Plant Management Society to be held July 15-18, 2007 at the Gaylord Opryland Resort & Convention Center in Nashville, TN. Presentations on all aspects of aquatic plant management, biology and ecology will be considered. Oral presentations are allotted a total of 15 minutes. A special poster session is also scheduled.

An LCD projector/computer, projection screen, and a laser pointer will be available for oral presentations. Only PC-based PowerPoint presentations will be accepted. You will not be allowed to set up a personal computer to run your presentation. Free-standing display boards (4' by 4') will be provided for velcro-backed posters.

The submission deadline for Title and Abstract is April 20, 2007. For submission form and more information on the upcoming meeting, please see the APMS website <http://www.apms.org/2007/2007.htm>.

### MEMBERSHIP DUES ARE DUE!!!

**This is a reminder in case some of you were unable to attend the annual meeting this past year. 2007 membership dues are currently due. To continue receiving newsletters and other benefits of being a member of the MSAPMS, please send your money as soon as possible.**

**Current dues:**

**Regular Member: \$10.00**

**Student Member: \$5.00**

**Sustaining Member: \$50.00**

**Send your membership dues to:**

**Greg Wall  
P.O. Box 219  
Sturgis, MS 39769**

## Calendar of Events

January 22-24, 2007  
Southern Weed Science Society Annual Meeting  
Nashville, Tennessee  
[www.swss.ws](http://www.swss.ws)

February 5-10, 2007  
Weed Science Society of America  
San Antonio, Texas  
[www.wssa.net](http://www.wssa.net)

February 25–March 2, 2007  
8<sup>th</sup> Annual National Invasive Weed Awareness Week  
Washington, DC  
[www.nawma.org](http://www.nawma.org)

March 3-5, 2007  
Midwest Aquatic Plant Management Society Conference  
Milwaukee, Wisconsin  
<http://www.mapms.org>

March 25-27, 2007  
Western Aquatic Plant Management Society Conference  
Coeur d' Alene, Idaho  
[www.wapms.org](http://www.wapms.org)

July 15-18, 2007  
47<sup>th</sup> Annual Aquatic Plant Management Society Meeting  
Nashville, Tennessee  
[www.apms.org](http://www.apms.org)

July 15-18, 2007  
MidSouth Aquatic Plant Management Society Meeting  
Nashville, Tennessee  
[www.msapms.org](http://www.msapms.org)

August 15-17, 2007  
South Carolina Aquatic Plant Management Society Meeting  
Springmaid Beach, SC  
[www.scapms.org](http://www.scapms.org)

September, 2006  
Texas Aquatic Plant Management Society Meeting  
[www.tapms.org](http://www.tapms.org)

October 2-4, 2007  
Florida Aquatic Plant Management Society Meeting  
St. Petersburg, Florida  
[www.fapms.org](http://www.fapms.org)

### MidSouth APMS Newsletter

Sherry Whitaker, CEERD-EE-A  
U.S. Army Engineer R&D Center  
3909 Halls Ferry Road  
Vicksburg, MS 39180-6199