

MidSouth Aquatic Plant Management Society

Newsletter

Volume 29 Number 3

September 2011

To the Membership:

BOARD OF DIRECTORS

Officers

HARRY KNIGHT – President
256-796-8704
harryknight@appliedbiochemists.com

TROY GOLDSBY – President Elect
256-582-9101
troyg@aquaservicesinc.com

SHERRY WHITAKER - Secretary
601-634-2990
sherry.l.whitaker@usace.army.mil

JUDY SHEARER – Treasurer
601-634-2516
judy.f.shearer@usace.army.mil

RYAN WERSAL – Editor
662-325-4595
rwersal@gri.msstate.edu

JASON CARLEE – Past President
205-664-6230
jcarlee@southernco.com

Directors

TOM BROADWELL
404-799-2152
tlbroadw@southernco.com

CRAIG AGUILLARD
337-363-6032
caguillard@landolakes.com

GERALD ADRIAN
610-594-1948
gerald.adrian@uniphos.com

CLIFF YOUNG
205-664-6072
cliyoung@southernco.com



Folks, times are changing fast; regulations, research and industry are just a few of the things you will catch up on at the upcoming 30th annual MidSouth Aquatic Plant Management Society Meeting. Come join us at Lake Guntersville State Park Lodge, Guntersville, AL for our annual meeting October 4-6, 2011. With all the change, and sometimes turmoil, in the industry this will be the best regional opportunity to educate yourself on how it will all affect your operations. As in previous years, we will hold an aquatic plant management workshop on Tuesday, October 4, in the afternoon to earn CEU credits towards applicator licensure.

As our 2011 application season comes to an end, our industry is just ramping up for the 2012 season. All of the upcoming meetings keep many folks busy, which is all voluntary work in addition to our real jobs. Meetings like the MidSouth cannot happen without the efforts of many folks. I would like to thank three of them because they are the leading edge of this meeting. Sherry Whitaker, Ryan Wersal and Troy Goldsby have made this an easy job for me this past year as your president. Easy for me and hectic for them; I owe them my thanks and most likely an apology or two.

This meeting will provide a great amount of information and those valuable CEU's we all need. Come and see us for a great meeting this October at Lake Guntersville State Park.

Sincerely,

Harry Knight

Harry Knight
President



Preliminary MSAPMS Annual Meeting Agenda

Tuesday, October 4th

Tuesday's Agenda-at-a-Glance

9:00 am - 12:00 pm	Board of Directors Meeting (<i>Boardroom</i>)
1:00 pm - 5:30 pm	Aquatic Plant Management Workshop (<i>Camellia</i>)
3:00 pm - 6:00 pm	Meeting Registration (<i>Grandview Ballroom</i>)
3:00 pm - 6:00 pm	Exhibits Setup (<i>Grandview Ballroom</i>)
7:00 pm - 9:00 pm	Welcoming Social (<i>Grandview Ballroom</i>)

Wednesday, October 5th

Wednesday's Agenda-at-a-Glance

7:15 am - 8:15 am	Breakfast (<i>Grandview Ballroom</i>)
7:30 am - 5:00 pm	Meeting Registration (<i>Upper Foyer</i>)
7:30 am - 5:00 pm	Exhibits Open (<i>Grandview Ballroom</i>)
8:15 am - 12:00 pm	Session One (<i>Camellia</i>)
9:45 am - 10:15 am	Refreshment Break (<i>Grandview Ballroom</i>)
12:00 pm - 1:15 pm	Lunch (<i>Grandview Ballroom</i>)
1:15 pm - 4:45 pm	Session Two (<i>Camellia</i>)
3:00 pm - 3:30 pm	Refreshment Break (<i>Grandview Ballroom</i>)
4:45 pm - 5:00 pm	Business Meeting (<i>Camellia</i>)
6:00 pm - 10:00 pm	Banquet (<i>Grandview Ballroom</i>)

Session One (*Camellia*)

Moderator: Troy Goldsby, *Aqua Services, Inc., Guntersville, Alabama*

8:15 am	Opening Remarks and Announcements
8:25 am	Presidential Address Harry Knight <i>Applied Biochemists, Cullman, Alabama</i>
8:45 am	Keynote Address Representative Wes Long <i>Republican 27th District of Alabama – Marshall County</i>
9:05 am	Aquatic Plant Management Society Update Tyler Koschnick <i>President, Aquatic Plant Management Society</i>
9:25 am	Developing Integrated Pest Management Priorities for Aquatic Plant in the MidSouth Ryan Wersal¹, John Madsen¹, Robert. Richardson², and Steve Hoyle² ¹ <i>Geosystems Research Institute, Mississippi State University, Starkville, Mississippi</i> ² <i>Crop Science Department, North Carolina State University, Raleigh, North Carolina</i>

- 9:45 am **Refreshment Break** (*Grandview Ballroom*)
- 10:15 am **Aquatic Plant Management in GPC Reservoirs**
Tom Broadwell
Georgia Power Company, Smyrna, Georgia
- 10:35 am **Aquatic Plant Distribution and Management in APC Reservoirs**
Jason Carlee
Alabama Power Company, Calera, Alabama
- 10:55 am **Aquatic Plants in the Tennessee River System**
David Webb
Tennessee Valley Authority, Muscle Shoals, Alabama
- 11:15 am **Aquatic Plant Distribution and Management in PRVWSD**
David Stodgerhill
Pearl River Valley Water Supply District, Ridgeland, Mississippi
- 11:35 am **"Galleon SC/Aquathol K Treatment in Spring Creek, Lake Seminole".**
Brent Mortimer
Environmental Compliance Coordinator, ACF Rivers Project, USACE, Mobile District, Mobile, Alabama
- 12:00 pm **Lunch** (*Grandview*)

Session Two (*Camellia*)

Moderator: **Ryan Wersal**, *Geosystems Research Institute, Mississippi State University, Starkville, Mississippi*

- 1:15 pm **Variations in Water Exchange Characteristics Among Hydrilla Sites in the Ross Barnett Reservoir** (*Student Presentation*)
Bradley Sartain, Ryan Wersal, and John Madsen
Geosystems Research Institute, Mississippi State University, Starkville, Mississippi
- 1:30pm **Sensitivity of Native Aquatic Plant Species to Imazamox and Penoxsulam**
Ryan Wersal and John Madsen
Geosystems Research Institute, Mississippi State University, Starkville, Mississippi
- 1:45 pm **Predicting Plant Dispersal Using GPS Tracking** (*Student Presentation*)
Amanda Fernandez and John Madsen
Geosystems Research Institute, Mississippi State University, Starkville, Mississippi
- 2:00 pm **Laboratory and Field Evaluation of New Solutions for Phosphorus, Algae, and Water Quality Management**
West Bishop¹ and Todd Horton²
¹*SePRO Corporation, SePRO Research and Technology Campus, Whitakers, North Carolina*
²*SePRO Corporation, Anderson, South Carolina*

- 2:15 pm **Pond Management Approaches and Effects on Trophic-Dynamics (*Student Presentation*)**
Michael Sherman¹, Eric Dibble¹ and John Madsen²
¹ *Department of Wildlife, Fisheries and Aquaculture, Mississippi State University, Starkville, Mississippi*
² *Geosystems Research Institute, Mississippi State University, Starkville, Mississippi*
- 2:30 pm **Response of *Lyngbya wollei* to a Combination of Herbicides in the Laboratory and Field (*Student Presentation*)**
James Herrin
D. B. Warnell School of Forestry and Natural Resources, University of Georgia, Athens, Georgia
- 2:45 pm **Attempts at Preventing the Growth Submersed Aquatic Vegetation in Arkansas Bait and Ornamental Fish Culture Ponds: Year 2.**
George Selden
Aquaculture/Fisheries Center, University of Arkansas at Pine Bluff, Pine Bluff, Arkansas
- 3:00 pm **Refreshment Break (*Grandview Ballroom*)**
- 3:30 pm **Alternative Shoreline Protection Strategies for Lakefront Properties**
Chris Boyd
Coastal Research and Extension Center, Mississippi State University, Biloxi, Mississippi
- 3:45 pm **Aquatic Community Responses to Different Plant Control Strategies in the Mississippi Alluvial Valley (*Student Presentation*)**
Jonathan Fleming^{1,2}, Matthew Spickard¹, Eric Dibble¹, and John Madsen²
¹ *Department of Wildlife, Fisheries, and Aquaculture, Mississippi State University, Starkville, Mississippi*
² *Geosystems Research Institute, Mississippi State University, Starkville, Mississippi*
- 4:00 pm **Clipper Case Studies by a Private Company**
Norman Haley III
Fisheries Biologist, Aqua Services, Inc., Guntersville, AL
- 4:15 pm **Nutrient Fluctuations Induced Through Manipulation of Aeration in a South Florida Retention Pond**
Amanda Quillen
Vertex Water Features, Pompano Beach, Florida
- 4:30 pm **Efficacy of Harpoon Granular Applications on Guntersville Reservoir**
Bryan Goldsby
Aqua Services, Inc., Guntersville, Alabama
- 4:45 pm **Business Meeting**
- 5:00 pm **Adjourn**

Thursday, October 6th

Thursday's Agenda-at-a-Glance

7:15 am - 8:15 am	Continental Breakfast (<i>Grandview Ballroom</i>)
7:30 am - 12:00 pm	Meeting Registration (<i>Upper Foyer</i>)
7:30 am - 12:00 pm	Exhibits Open (<i>Grandview Ballroom</i>)
8:15 am - 11:45am	Session Three (<i>Camellia</i>)
9:45 am - 10:15am	Refreshment Break (<i>Grandview Ballroom</i>)
12:00 pm - 2:00 pm	Board of Directors Meeting (<i>Board Room</i>)

Session Three Regulatory (*Camellia*)

Moderator: Josh Yerby, *Aqua Services, Inc., Guntersville, Alabama*

8:15 am	NPDES Update Carlton Layne <i>Aquatic Ecosystem Restoration Foundation, Marietta, Georgia</i>
8:45 am	Florida Jeff Schardt <i>Florida Fish and Wildlife Conservation Commission, Tallahassee, Florida</i>
9:15 am	Tennessee Permitting – 11 Years and Counting Troy Goldsby <i>Aqua Services, Inc., Guntersville, Alabama</i>
9:45 am	Refreshment Break (<i>Grandview Ballroom</i>)
10:15 am	Responsible Industry for a Sound Environment (RISE) Update
10:45 am	Permitting in South Carolina
11:15 am	Industry Updates
11:45 am	Closing Remarks and Adjourn 30th Annual Meeting Troy Goldsy <i>Aqua Services, Inc., Guntersville, AL</i>



Aquatic Plant Management Applicator Workshop, October 4, 2011

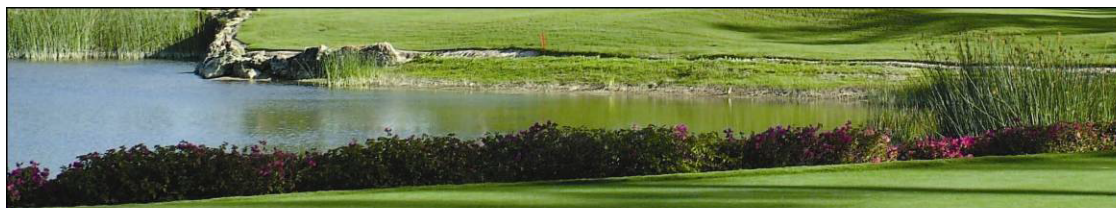
We will hold a four-hour pre-conference workshop on aquatic plant management for applicators covering integrated pest management, herbicide application methods, pesticide label restrictions, application gear, compliance, and aquatic plant identification. The fee for this workshop will again be \$50. The workshop will be held on the afternoon of October 4, 2011. Please plan to attend!

For more information, contact Dr. John D. Madsen, Associate Professor, Mississippi State University, jmadsen@gri.msstate.edu

Aquatic Plant Management Applicator Workshop Agenda

- | | |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1:00 pm | Welcome and logistics
Dr. John Madsen
<i>Mississippi State University Extension Service, Starkville, Mississippi</i> |
| 1:15 pm | Biological control of aquatic weeds: Integrated Pest Management
Dr. Michael Grodowitz
<i>US Army Engineer Research and Development Center, Vicksburg, Mississippi</i> |
| 2:15 pm | Chemical control of aquatic weeds
Dr. Ryan Wersal
<i>Geosystems Research Institute, Mississippi State University, Starkville, Mississippi</i> |
| 3:15 pm | Break |
| 3:30 pm | Federal and state pesticide label restrictions, personal protective gear, and compliance
Mr. Carlton Layne
<i>Aquatic Ecosystem Restoration Foundation, Marietta, Georgia</i> |
| 4:30 pm | Identification of common aquatic plants and weed problems in the MidSouth
Dr. John Madsen
<i>Mississippi State University Extension Service, Starkville, Mississippi</i> |
| 5:30 pm | Workshop Ends |

**MSAPMS Board of Directors will hold their next board meeting
at Lake Guntersville State Park on October 4, 2011.**



syngenta.

2011 H₂O Pro™ Aquatic Herbicide Performance Guarantee

QUALIFYING PARTICIPANT: Professional aquatic applicators with total purchases of Qualifying Products during the 2010 Program Period (October 1, 2009 through September 30, 2010) of \$7,500 or greater **OR** total purchases of Qualifying Products during the 2011 Program Period of \$7,500 or greater.

QUALIFYING PRODUCTS: All Syngenta Products labeled for aquatic use and purchased from a Syngenta Authorized Distributor/Retailer/Agent, including but not limited to all package sizes of Reward® Landscape and Aquatic Herbicide and Refuge™ Herbicide.

TREAT WITH CONFIDENCE:

During the 2011 Program Period—October 1, 2010 through September 30, 2011:

- Apply Qualifying Products at the maximum labeled rate for the treatment area and in accordance with the product label(s). Use Qualifying Products in combination with any approved tank-mix partner in accordance with the label. For your convenience, the tank-mix partners for Reward are listed below.

...AND YOU'RE COVERED:

- If the Qualifying Product does not perform as stated under the Guarantee Terms and Conditions below, Syngenta will share up to 50% of the total cost of the Syngenta Qualifying Product used for retreatment.

GUARANTEE TERMS AND CONDITIONS:

- The Qualifying Product will control at least 70% of the treated, labeled weed(s) as compared to untreated areas with similar weed infestation, environment, weather, and other conditions.
- Claims must be filed within thirty (30) calendar days of application so that the claim may be verified and evaluated.
- Any claims under the H₂O Pro™ Aquatic Herbicide Performance Guarantee must be received by Syngenta on or before October 30, 2011. Go to www.syngentavm.com to file a claim.
- Only licensed professional aquatic herbicide applicators may participate in the H₂O Pro Aquatic Herbicide Performance Guarantee Program.
- To qualify, Claim Form must be filled out in its entirety.
- Syngenta reserves the right to verify all purchases. Syngenta reserves the right to add or delete Qualifying Products at its discretion.
- Syngenta will reimburse up to 50% of the cost of the Qualifying Product for one (1) retreatment. Claim subject to verification by Syngenta territory manager or other party designated by Syngenta. Reimbursement is at the sole discretion of Syngenta. Cost and reimbursement amount is based on price of the Qualifying Product used at the time of treatment. Syngenta may, at its discretion, reimburse with product or cash.

- Syngenta will not pay for the application or other costs of retreatment. The maximum benefit any individual claimant may receive for the 2011 Program Period is a \$50,000 contribution toward the cost of the retreatment.
- Program benefit is for weed control only; Syngenta will not pay for any other service, product, loss, or damages.
- Surface application of floating weeds (including surface algae) and submersed weeds (excluding subsurface algae) on Reward label are covered by the 2011 H₂O Pro Aquatic Herbicide Guarantee.
 - Minimum application rates for Reward are listed in the accompanying chart.
 - For very dense submersed populations of weeds, it is recommended to use Reward in combination with a copper-based aquatic herbicide or an endothall product from the approved tank-mix partner list set forth herein.

PERFORMANCE GUARANTEE RATES FOR REWARD*

Weed species	Gallons per surface acre
Algae (<i>Spirogyra</i> spp. & <i>Pithophora</i> spp.)	2
Bladderwort (<i>Utricularia</i> spp.)	2
Coontail (<i>Ceratophyllum demersum</i>)	2
Duckweed (<i>Lemna</i> spp.)	1
Elodea (<i>Elodea</i> spp.)	2
Frog's Bit (<i>Limnobium spongia</i>)	.75
Hydrilla (<i>Hydrilla verticillata</i>)	2
Naiad (<i>Najas</i> spp.)	2
Pennywort (<i>Hydrocotyle</i> spp.)	.75
Pondweeds (<i>Potamogeton</i> spp.)	2
Salvinia (<i>Salvinia</i> spp.)	.75
Waterhyacinth (<i>Eichhornia crassipes</i>)	.75
Waterlettuce (<i>Pistia stratiotes</i>)	.75
Watermilfoils (<i>Myriophyllum</i> spp.)	2

*Always follow product label use directions. The Performance Guarantee is valid only when Reward is applied at the rates identified above.

APPROVED TANK-MIX PARTNERS FOR REWARD**

Clearigate® copper-herbicide/algicide	Nautique™ herbicide
K-Tea™ algicide	Captain™ algicide
Komeen™ herbicide	Aquathol® herbicide
Cutrine®-Plus herbicide/algicide	Hydrothol® herbicide

**Other tank-mix combinations must be approved by a Syngenta territory manager prior to use to retain eligibility for the H₂O Pro Aquatic Herbicide Performance Guarantee.

To learn more about the 2011 H₂O Pro Aquatic Herbicide Performance Guarantee, contact Melissa Barron at 407.257.8043 or melissa.barron@syngenta.com.

©2011 Syngenta Crop Protection, LLC., 410 Swing Road, Greensboro, NC 27409. Important: Always read and follow label instructions before buying or using this product. The label contains important conditions of sale, including limitations of remedy and warranty. H₂O Pro™, Refuge™, Reward®, and the Syngenta logo are trademarks of a Syngenta Group Company. Captain™, K-Tea™, Komeen™, and Nautique™ are trademarks of SePRO Corp. Clearigate® and Cutrine® are trademarks of Applied Biochemists Inc. Aquathol® and Hydrothol® are trademarks of United Phosphorus.

30th 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 September 9, 2011)</i>	At the Door	
<input type="checkbox"/> Delegate Registration <i>(Includes 2011-2012 Regular Membership Dues)</i>	\$ 100.00	\$ 125.00	\$ _____
<input type="checkbox"/> Student Registration (Presenting Paper)	\$ 0.00	\$ 0.00	\$ 0.00
<input type="checkbox"/> Student Registration (Not Presenting Paper) <i>(Includes 2011-2012 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	\$ _____
<input type="checkbox"/> Aquatic Plant Management Workshop	\$ 50.00	\$ 50.00	\$ _____

2011-2012 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	\$ 750.00	\$ _____
<input type="checkbox"/> Bronze	\$ 500.00	\$ _____
<input type="checkbox"/> Contributing	\$ 250.00	\$ _____

Exhibitor Space *(Includes 1 booth space, 1 free registration and 1 Sustaining Membership for 2011-2012)*

<input type="checkbox"/> Exhibit Booth Space (8'x 10')	\$ 450.00	\$ _____
--------------------------------------------------------	-----------	----------

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 Allocated on a first-come, first-served basis. Please note that one free registration and a 2011-2012 Sustaining Membership are included in the Exhibit Fee.

Donation to the Scholarship Fund

\$ _____

Total Amount

\$ _____

Early registration accepted if form and payment received by Sept. 9, 2011.

Please mail completed form and payment to:

Judy Shearer
MSAPMS
P.O. Box 822792
Vicksburg, MS 39182
Ph: 601-634-2516

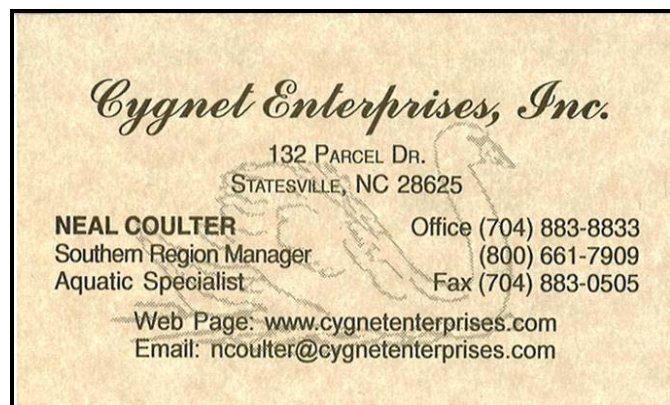
Cancellation/Refund Policy: Registration fees are fully refundable prior to September 16, 2011. No refund of any fees will be issued if cancellation of participation is received after September 16, 2011. Notice of cancellation must be received by MSAPMS via mail, fax or e-mail. **Phone cancellations will not be accepted.**

Keep Your Membership Current

The MidSouth Aquatic Plant Management Society wants to ensure that everyone is being kept up-to-date on issues facing our Society, industry, and research. In order to accomplish this, we need to have updated information regarding our membership, most notably email addresses. The best way to stay involved with Society issues is to renew your membership and maintain your membership status each year. Renewing your membership can be accomplished via sending payment to the treasurer or, easier yet, to attend the annual meetings. Please take time to update your membership status, contact information, and encourage colleagues to join the MidSouth Aquatic Plant Management Society.

If you are a current member in good standing please email any updated contact information to Secretary Sherry Whitaker at:

sherry.l.whitaker@usace.army.mil.



Officer and Director Nominations 2011

The following names are proposed for consideration for officer and/or Director positions for 2011-2012:

President-Elect

Gerald Adrian, United Phosphorus, Inc.

Secretary

Sherry Whitaker, USACE, R&D Center

Treasurer

Craig Aguillard, WinField Solutions

Editor

Dr. Ryan Wersal, Mississippi State University

Directors

Josh Yerby, Aquaservices, Inc.

Director (1 yr term to replace Craig Aguillard)

Jim Petta, Valent USA Corporation

Director (1 yr term to replace Gerald Adrian)

Tom Warmouth, Cygnet Enterprises, Inc.

Director (2 yr term)

Cliff Young, Alabama Power Co.

Director (2 yr term)

Also: Troy Goldsby – President

Harry Knight – Past President



Proposed By-Laws Changes

Jason Carlee

Currently the By-laws read as follows:

ARTICLE XI: COMMITTEES

Standing committee chairs shall be recommended by the President and approved by the Board of Directors to serve during his term as President as follows:

1. Membership Committee: This committee shall consist of not less than three (3) members, one of whom shall be the Secretary. This committee shall promote memberships in the Society.
2. Editorial Committee: This committee shall consist of at least three (3) members who shall assist the Editor in generating and distributing newsworthy and educational items of the Society.
3. Program Committee: The program committee shall consist of the members of the Board of Directors, chaired by the President Elect and its duty shall be to provide programs for each annual meeting.
4. Nominating Committee: The nominating committee shall consist of not less than three (3) members, one of whom shall be the Immediate Past President, who shall serve as chair of this committee and recommend to the Society candidates for election to the several offices.
5. Special Committee: Such other committees as from time to time may be deemed necessary shall be appointed by the President with the concurrence of the Board of Directors.
6. Internal Audit Committee: This committee shall consist of at least two (2) members who shall audit all books and fiscal documents of the Society annually, prior to the annual meeting.
7. Scholarship Committee: This committee shall consist of a chair and at least two (2) other members. Duties of the committee shall include promoting awareness of scholarships to worthy candidates and their major professors, review and determination of qualified applicants and to make recommendations to the Board as to how scholarship(s) should be awarded.

The following additions in italics are proposed:

ARTICLE XI: COMMITTEES

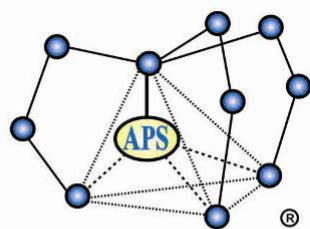
Standing committee chairs shall be recommended by the President and approved by the Board of Directors to serve during his term as President as follows:

1. Membership Committee: This committee shall consist of not less than three (3) members, one of whom shall be the Secretary. This committee shall promote memberships in the Society.
2. Editorial Committee: This committee shall consist of at least three (3) members who shall assist the Editor in generating and distributing newsworthy and educational items of the Society.
3. Program Committee: The program committee shall consist of the members of the Board of Directors, chaired by the President Elect and its duty shall be to provide programs for each annual meeting.
4. Nominating Committee: The nominating committee shall consist of not less than three (3) members, one of whom shall be the Immediate Past President, who shall serve as chair of this committee and recommend to the Society candidates for election to the several offices.
5. Special Committee: Such other committees as from time to time may be deemed necessary shall be appointed by the President with the concurrence of the Board of Directors.
6. Internal Audit Committee: This committee shall consist of at least two (2) members who shall audit all books and fiscal documents of the Society annually, prior to the annual meeting.
7. Scholarship Committee: This committee shall consist of a chair and at least two (2) other members. Duties of the committee shall include promoting awareness of scholarships to worthy candidates and their major professors, review and determination of qualified applicants and to make recommendations to the Board as to how scholarship(s) should be awarded.
8. *Website Committee: This committee shall consist of at least three (3) members, one of whom shall be the Editor, who shall serve as chair of this committee. Duties shall include maintaining the*

Society's website to provide information and newsworthy items relevant to the mission of the Society and ensuring that all links and information are current and functional.

9. Sponsorship Committee: *This committee shall consist of a chair and at least two (2) other*

members. Duties of the committee shall include soliciting and securing donations / sponsorships for meeting functions from vendors and other potential donors, coordinating with Program Committee regarding funds available for annual meetings, and communicating possible changes to sponsorship levels.



Applied Polymer Systems, Inc.

The Originator of Floc Log, Silt Stop, and Pond Log Products

www.siltstop.com

established 1997

Floc Logs



Powders

Pond Logs



Emulsions

Applied Polymer Systems manufactures eco-friendly products and is dedicated to providing education on polymer enhanced technology.



Don't throw your money away.

WhiteCap® SC herbicide controls many troublesome aquatic weeds while helping you control your costs.

Visit PhoenixEnvCare.com or contact Craig Smith, at 561.301.8326.



©2011 Phoenix Environmental Care, LLC. WhiteCap® SC is a registered trademark of Tessenderlo-Kelley, Inc. The Phoenix logo is a registered trademark of Phoenix Environmental Care, LLC. Always read and follow label directions.

Check the website for society updates at:
www.msapms.org



Water Management Equipment

- Aerating Fountains
- Circulators
- Robust-Aire Diffused Aeration
- High Volume Surface Aerators

715-262-4488

www.kascomarine.com



Too Many Weeds Spoil the Fishing



Exotic invasive aquatic plants such as Hydrilla, Eurasian Water Milfoil, Curlyleaf Pondweed, Water Chestnut and Water Hyacinth can be detrimental to a healthy fishery in lakes across the country.

These invasive plants when left unmanaged can alter the ecosystem of lakes and reservoirs, causing a decline in the fishery, as well as interfering with other valued uses of waterbodies.

The Authoritative Leader in Aquatic Habitat Management

Successful aquatic habitat management is all about achieving a balance in the aquatic ecosystem. United Phosphorus, Inc. offers assistance and a full line of aquatic products for properly managing exotic and invasive plants and algae to achieve and maintain a healthy aquatic environment for native aquatic plants.

TO OBTAIN A COPY OF OUR VIDEO, *AQUATIC PLANT AND HABITAT MANAGEMENT*, CALL 1-800-438-6071



Aquathol® K and Aquathol® Super K Aquatic Herbicide

For selective control of Hydrilla, Curlyleaf Pondweed, Coontail and other Invasive and Nuisance aquatic plants.

Hydrothol® 191 Aquatic Herbicide & Algicide

A broad-spectrum herbicide and algicide. Hydrothol® 191 provides a companion product or an alternative to copper algicides when controlling difficult algae species.



United Phosphorus, Inc.
www.upi-usa.com

Refuge™ Herbicide: Syngenta's latest addition and the most concentrated glyphosate in aquatics

Melissa Barron

One of the most commonly used herbicides in aquatics and vegetation management today is glyphosate. Over the years, several formulations and products containing glyphosate have entered the marketplace, and it's sometimes confusing to understand the differences among them all.

A glyphosate molecule is composed of two different things: the glyphosate acid - the part that actually kills the plant – and a salt “carrier” that enhances absorption into the plant. This glyphosate acid has a negative charge and is neutralized when positive ions (cations) such as potassium, isopropylamine, or diammonium are added to form a salt. Since these salts have varying molecular weights, they are able to bind with different amounts of glyphosate acid.

When glancing at a glyphosate label, one of the first things you see is the pounds of Active Ingredient (a.i.). The a.i. of glyphosate is the weight of both the glyphosate acid (active) and the weight of the salt formulated with the glyphosate molecule (carrier). It's impossible to compare product strength based solely on this a.i. measurement because you'd be comparing apples to oranges... or, in this case, heavy and light salts.

Because the glyphosate acid is the portion of the formulation that ultimately controls the weed, we should refer to glyphosate rates not in terms of pounds of a.i., but in terms of pounds of Acid Equivalent (a.e.). The a.e. of glyphosate is simply the weight of the glyphosate acid without the weight of the salt – it helps us look at the different concentrations and different salts on an even playing field, and it's crucial when calculating application rates. Ultimately, the higher the amount of a.e. in a glyphosate, the more concentration and strength you'll get.

Recently, Syngenta introduced Refuge™, a new glyphosate in the Aquatics and VM market, and we're excited to say it's the most concentrated glyphosate available. Using Potassium salt as a carrier, Refuge allows for a 20% greater load of glyphosate acid in every jug. Here's a look at how Refuge™ compares to other common glyphosate products:

Product	Salt	Pounds A.I./gal	Pounds A.E./gal
Touchdown Pro	Diammonium	3.7	3
Rodeo (Dow)	Isopropyl amine	5.4	4
Aqua Star	Isopropyl amine	5.4	4
Refuge™	Potassium	6.2	5

Refuge™ is the only 5 lb. a.e./gal glyphosate available for aquatic use, and it offers systemic, non-selective control of more than 170 emerged annual and perennial grass species, broadleaf weeds, and unwanted woody brush and trees. Refuge is reliable weed control that's competitively priced and available in a 2.5-gallon jug, a 30-gallon drum, 250-gallon totes, or in bulk for your convenience.

In this day and age of environmental awareness, Refuge™ is a great choice for customers because the greater concentration allows for fewer containers to be used, rinsed, and recycled. Also, less overall product is needed to get the same amount of weed-killing power. Based on recommended use rates, here's how the different products compare if you're making a 2% solution*:

Product	Pounds A.E./gal	Use Rate*	Gallons of solution you get from a 2.5 gallon container of product
Touchdown Pro	3	2.67 gal.	94
Rodeo (Dow)	4	2 gal.	125
Aqua Star	4	2 gal.	125
Refuge™	5	1.6 gal.	156

Refuge™ also has excellent tank-mix compatibility with many other herbicides, and it has a superior rainfastness of two hours. This unique, proprietary formulation will be a great fit for your glyphosate needs.

Refuge™ is labeled for use on aquatic and wetland sites, forestry, railroad, utility, and other vegetation management sites.

In addition to competitive pricing, Refuge™ herbicide is eligible for 2011 H₂O Pro Spring Purchase Program incentives. Refuge also qualifies under the H₂O Pro Aquatic Herbicide Performance Guarantee. Please send an email to Melissa.barron@syngenta.com or visit www.syngentavm.com for any questions you might have.



Melissa C. Barron
Southeast Aquatic Sales
Professional Products

Syngenta Crop Protection, Inc.
664 Hempstead Avenue
Orlando, FL 32803
Tel 407-257-8043
Fax 407-358-5389
www.syngentaprofessionalproducts.com
melissa.barron@syngenta.com

For further assistance, contact our
Customer Service Center at: 866-Syngenta (866-796-4368)



AQUATIC SPRAY APPLICATION AND HABITAT RESTORATION

Dan Prevost
Co-Owner

662-769-2440
dan@aquatic-restoration.com

www.aquatic-restoration.com

Advancing the Science of Aquatic Plant Management for 17 Years

Vision. Science. Solutions.

SePRO Corporation remains committed to developing innovative solutions to advance the science of aquatic plant and algae management. Focused research and development initiatives have resulted in several novel treatment solutions including;

Renovate® MAX G

Clearcast® 2.7G

SeClear*

SonarGenesis*

For more information about SePRO products, please contact **Todd Horton, SePRO Aquatic Market Development Manager** at 864-270-5292 or toddh@sepro.com

Driven to Discover



Renovate is a registered trademark of Dow AgroSciences LLC and is manufactured exclusively for SePRO Corporation. Clearcast is a registered trademark of BASF Corporation. Always read and follow label directions. ©Copyright 2010 SePRO Corporation.



LittLine®

Littoral Zone Treatment Technology (Patent Pending)

BEST AVAILABLE TECHNOLOGIES (BAT) TO MEET THE 2011 NPDES PESTICIDES GENERAL PERMIT (NPDES PGP) REQUIREMENTS

The *LittLine*® is a Patent Pending Littoral Zone Treatment Technology that was developed to support increased efficacy from aquatic pesticide applications for the control of Aquatic Invasive Species (aquatic vegetation, cyanobacteria, mussels and fish). The 2011 NPDES PGP will require that all permittees minimize discharges through the use of the lowest effective amount of pesticides.

Through the use of the *LittLine*® technology, aquatic pesticides applications can target any portion of the water column, rather than the entire water column, thus allowing increased efficacy through the use of the lowest effective amount of pesticides in compliance with the 2011 NPDES PGP requirements.



The *LittLine*® has been used to control Hydrilla in Florida (25% aquatic herbicide reduction), and Eurasian Watermilfoil in California, Idaho, Montana and Wisconsin with up to a 50% reduction in aquatic herbicide use and increased efficacy in some areas (2008 Pend Oreille System, Pack River Idaho)



On October 28, 2009, the US Army Engineer Research and Development Center, Environmental Laboratory (ERDC-EL), and Clean Lakes, Inc. entered into a Cooperative Research and Development Agreement for the "Research and Testing of a System for Precision Littoral Zone Application of Aquatic Herbicides". The Scope of the Cooperative Research and Development Program is to provide for the joint conduct of research and development investigations related to coupling the *LittLine*® System (Littoral Zone Treatment Technology) with ERDC-EL Hydroacoustic Submersed Plant Mapping capabilities (SAVEWS™ and related developments). It is envisioned that these two technologies will be used together to achieve precision application of herbicides to submerged, nuisance aquatic vegetation.

The *LittLine*® is available for hire throughout the U.S., and or through a license agreement to meet your NPDES PGP requirements.

LITTLINE®

Littoral Zone Treatment Technology

www.littline.com

P. O. Box 3548

Coeur d'Alene, Idaho 83816

Phone: 208-665-1475

CLEAN LAKES INC.
Aquatic Ecosystem Restoration & Maintenance





Cygnal Enterprises, Inc.

Products to enhance our water resources

Distributors of Lake and Pond management products from:

Applied Biochemists, BASF, BioSafe Systems, Brewer Int., UPI, Valent, Earth Science, Nufarm, Phelps Dodge, SePRO & Syngenta

132 Parcel Drive
Statesville, NC 28625

Neal Coulter

www.cygnalenterprises.com

For Healthy Ponds & Lakes

Find Out Why More Professionals Rely on Vertex

Our Aeration Systems:

- ◆ Help Prevent Fish Kills
- ◆ Reduce Unsightly Algae
- ◆ End Foul Odors
- ◆ Reduce Muck Accumulation
- ◆ Inhibit Mosquitoes & Midges
- ◆ Require Less Maintenance

**Longest
Industry
Warranty**



I've dealt with water problems for a long, long, time. Trust me, the Vertex Aeration Systems really worked by breathing new life into my lake and pond."

Bill Dance

Call our Vertex Specialists for more details!

1.800.432.4302

www.vertexwaterfeatures.com



Vertex Water Features
Lake Aeration Systems & Floating Fountains



YOUR CHOICES FOR CONTROLLING EURASIAN WATER MILFOIL,

ONE OF THE MOST
AGGRESSIVE, PROBLEMATIC, INVASIVE WEEDS
IN U.S. WATERS TODAY.

Navigate
- 27.6% 2,4-D BEE
targeted release granule

Navitrol^{DPF}
AQUATIC HERBICIDE

- 14% Triclopyr amine
Dry Particle Formulation
for targeted release



Selective
Herbicides,
Navigate
and Navitrol
control
invasive milfoil
and other
troublesome
aquatic dicots.

ab applied biochemists

an Arch Chemicals, Inc. company
www.appliedbiochemists.com
Ph: (800)-558-5106

For more information,
contact Harry Knight
Southern Regional Sales Manager
Ph: (256)-796-8704
harryknight@appliedbiochemists.com

The Only CAUTION Label Algicide in the Industry!

F-30 Algae Control, starting at
\$12-\$14/gallon

Double chelation
Low pH makes F-30 more effective in hard water
Safe for use with fish
High quality chelators keep copper from falling out

F-40 Enviro-Blue, starting at
\$17-\$23/gallon

Screen out excess sunlight
Highly concentrated
Lasts up to 6 months Non-toxic



Devoted to the
beautification of
aquatic environments

Phone: 949.582.5414
www.dwiwater.com

Featuring the
Formula F-series
line of Aquatic
Treatment Products



Greg J. Wall

Sales & Commercial Application
Industrial & Aquatics

P.O. Box 219
Sturgis, MS 39769
Bus. 662-465-6146
Fax. 662-465-8700
Eml. doublegobble@earthlink.net

HELENA CHEMICAL COMPANY
P.O. Box 626
Selma, AL 36702
Bus. 334-875-2737
Fax. 334-875-3814

New Student Representative Elected to the National APMS Society




Justin Nawrocki was elected as the 6th student representative to the board of directors of the Aquatic Plant Management Society. Justin was chosen by his peers at the 51st Annual Aquatic Plant Management Society Meeting that was held in Baltimore, Maryland, from July 24 to 27. Justin will serve a 1 year term as student representative where he will attend board meetings, vote on society issues, and ensure that students' needs and ideas are heard by the board of directors.

Justin is a PhD student at North Carolina State University where his research focuses on monoecious hydrilla ecology and management, and tuber bank dynamics.

WE CAN HANDLE ANY OF YOUR LAKE & POND MANAGEMENT NEEDS.

Endorsed by
BILL DANCE



At Aqua Services, we have over 20 years of experience meeting the lake and pond management needs of land owners throughout the South. Put our experience to work for you.

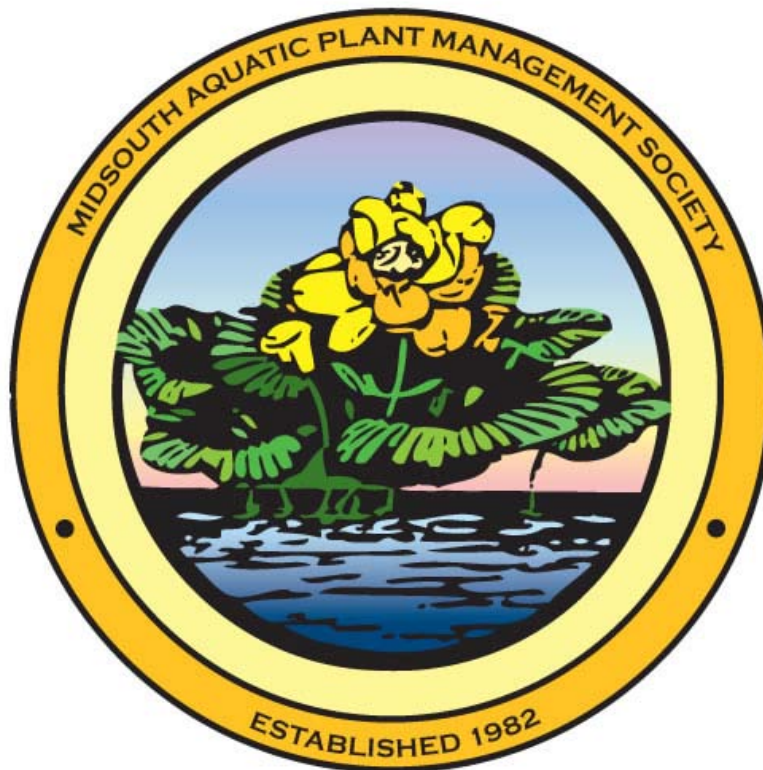
- Aquatic Vegetation Management
- Electro-Fishing Surveys ▪ Fish Stocking
- Lake and Pond Design ▪ Water Quality Testing
- Liming and Fertilizing ▪ Grass Carp
- Yearly Maintenance Plans

AQUA SERVICES, INC.
1-888-669-3337
23360 Hwy. 431, Guntersville, AL 35976
www.aquaservicesinc.com

THANK YOU TO OUR SUSTAINING MEMBERS FOR SUPPORTING THE MIDSouth AQUATIC PLANT MANAGEMENT SOCIETY

**BioSafe Systems, LLC
Applied Polymer Systems, Incorporated
United Phosphorus, Incorporated
Phoenix Environmental Care
Alabama BASS Federation Nation
Trans America Product Technology, Inc
Cygnet Enterprises
Valent USA Corporation
Aqua Services, Incorporated
Syngenta Professional Products
SePRO Corporation
Kasco Marine
Helena Chemical Company**

**Applied Biochemists
WinField Solutions, LLC
Alabama Power Company
Crop Protection Services/Timberland
Auburn University Fisheries
Sharda USA, LLC
Clean Lakes, Incorporated
Aquascape, Incorporated
Vertex Water Features
Future Horizons, Incorporated
Aquatic Restoration Services
Brewer International
D&D Products Inc. Aquarius Systems**



Calendar of Events

Florida Aquatic Plant Management Society

October 10-13, 2011

St. Augustine, FL

www.fapms.org

North American Lake Management Society

October 26-28, 2011

Spokane, WA

www.nalms.org

Texas Aquatic Plant Management Society

October 24-27, 2011

Bandera, TX

www.tapms.org

Northeast Aquatic Plant Management Society

January 17-19, 2012

New Castle, NH

www.neapms.net

Weed Science Society of America

February 6-9, 2012

Big Island, HI

www.wssa.net

Midwest Aquatic Plant Management Society

February 26-29, 2012

Milwaukee, WI

www.mapms.org

January Newsletter

Deadline

December 15, 2011

Send Newsletter Items to:

Ryan Wersal