

**MidSouth Aquatic Plant Management Society
41st Annual Meeting**

MIDSOUTH AQUATIC PLANT



MANAGEMENT SOCIETY

est. 1982

PROGRAM

**October 24th-26th, 2022
Marriott Battle House
Mobile, Alabama**

Board of Directors

JJ Ferris
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Cygnat Enterprises
Statesville, North Carolina

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Director
LDWF
Lafayette, Louisiana

Harry Knight
Director
Phoslock Environmental Technologies
Cullman, Alabama

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Director
Alabama Power
Calera, Alabama

President's Award

Terry Goldsby (2007)
Bob Gunkel (2008)
Gerald Adrian (2009)
Carlton Layne (2010)
John Madsen (2011)
Sherry Whitaker (2012)
Aqua Services, Inc. (2013)
Craig Aguillard (2014)
Jeremy Slade (2016)
Friends & Families of MSAPMS Members (2017)
Ryan Wersal (2018)
Brett Hartis (2019)
JJ Ferris (2020)
Scott Jackson (2021)

Honorary Members

Angus Gholson, Jr. (1983)
John Lawrence (1989)
A. Leon Bates (1996)
J. Lewis Decell (1996)
Joe Kight (1997)
David Bayne (2006)
Scott Lankford (2007)
Bob Gunkel (2008)
Tom Broadwell (2014)
David Webb (2015)
Carlton Layne (2018)
Terry Goldsby (2021)

Sustaining Members

Airmax
Alabama Power Company
Alligare, LLC
Aqua Services, Inc.
Aquatic Control, Inc.
BioSafe Systems
Brewer International
Cygnet Enterprises, Inc.
EasyPro
Helena Agri-Enterprises, LLC
Kasco Marine
Keycolour
Nufarm Americas
Nutrien Solutions
Orion Solutions
Outdoor Water Solutions, Inc.
SePRO Corporation
Syngenta
UPL
Winfield United

Exhibitors

The MidSouth Aquatic Plant Management Society appreciates the following companies for exhibiting their products and services.

Airmax	Alligare, LLC
AquaMaster Fountains	Aqua Services, Inc.
Aquatic Control, Inc.	Brewer International
Cygnet Enterprises, Inc	EasyPro Lake and Pond Management
Eco-Pak LLC	Kasco Marine
Keycolour	Nutrien Solutions
Orion Solutions	Outdoor Water Solutions
Red River Specialties	SePRO
Syngenta	UPL

Past Presidents and Meeting Sites

1982	David Bayne	Guntersville, Alabama
1983	David Bayne	Bainbridge, Georgia
1984	Terry Goldsby	Mobile, Alabama
1985	Joe Zolczynski	Jackson, Mississippi
1986	David Franks	Gulf Shores, Alabama
1987	Joe Stephenson	Decatur, Alabama
1988	Leon Bates	Gulf Shores, Alabama
1989	Raymond Cooper	Montgomery, Alabama
1990	Barry Smith	Eufaula, Alabama
1991	Mike Eubanks	Auburn, Alabama
1992	Randell Goodman	Guntersville, Alabama
1993	Earl Burns	Gulf Shores, Alabama
1994	Fred Harders	Birmingham, Alabama
1995	Scott Lankford	Sheffield, Alabama
1996	David Webb	Gulf Shores, Alabama
1997	Stan Cook	Vicksburg, Mississippi
1998	Lewis Decell	Guntersville, Alabama
1999	Harry Knight	Gulf Shores, Alabama
2000	Mark Tow	Eufaula, Alabama
2001	Ken Weathers	Columbus, Mississippi
2002	David Franks	Gulf Shores, Alabama
2003	Tom Broadwell	Auburn, Alabama
2004	Eric Barkemeyer	Mobile, Alabama
2005	Joe Jernigan	Robinsonville, Mississippi
2006	Craig Aguillard	Orange Beach, Alabama
2007	Bob Gunkel	Nashville, Tennessee
2008	Bryan Goldsby	Mobile, Alabama
2009	John Madsen	Guntersville, Alabama
2010	Jason Carlee	Guntersville, Alabama
2011	Harry Knight	Guntersville, Alabama
2012	Troy Goldsby	Mobile, Alabama
2013	Gerald Adrian	Tunica, Mississippi
2014	Sherry Whitaker	Savannah, Georgia
2015	Josh Yerby	Mobile, Alabama
2016	Alex Perret	Baton Rouge, Louisiana
2017	Ryan Wersal	Birmingham, Alabama
2018	Jeremy Slade	Chattanooga, Tennessee
2019	Scott Jackson	Baton Rouge, Louisiana
2020	Brett Hartis	N/A – Covid-19
2021	Wes Anderson	New Orleans, Louisiana
2022	JJ Ferris	Mobile, Alabama

Sponsors

The MidSouth Aquatic Plant Management Society appreciates the generous support of the following meeting sponsors. Through the kindness of their support and contributions, we are able to conduct a successful and enjoyable meeting.

Platinum

Alligare, LLC

Aqua Services, Inc

Aquatic Control, Inc

Brewer International

Cygnets Enterprises, Inc.

Orion Solutions

SePRO Corporation

Syngenta

UPL

Gold

Airmax

Nufarm Americas

Nutrien Solutions

Phoslock Environmental Technologies

Silver

Aquatic Weed Wizards

Outdoor Water Solutions

Contributors

Alabama Power Company

Keycolour

MidSouth APMS Meeting Agenda

October 24th-26th, 2022

Monday, October 24th

Monday's Agenda-at-a-Glance

8:00 am - 12:00 pm	Exhibits Setup (<i>Moonlight B</i>)
9:00 am - 11:00 am	Board of Directors Meeting (<i>Bienville</i>)
11:00 am - 5:00 pm	Meeting Registration (<i>Foyer</i>)
12:00 pm - 1:30 pm	Lunch (<i>on your own</i>)
12:00 pm - 5:00 pm	Exhibits Open (<i>Moonlight B</i>)
1:30 pm - 3:20 pm	General Session I (<i>Moonlight A</i>)
3:20 pm - 3:40 pm	Refreshment Break (<i>Moonlight B</i>)
3:40 pm - 5:00 pm	General Session II (<i>Moonlight B</i>)
5:30 pm - 7:00 pm	President's Reception – Off Site (<i>Wet Willies</i>)

Dinner on your own

12:00 pm **Lunch on your own**

General Session I (*Moonlight A*)

Moderator: **Carl Della Torre**, *Orion Solutions, Greensboro, Georgia*

1:30 pm **Opening Remarks and Announcements**
Carl Della Torre
Orion Solutions, Greensboro, Georgia

1:35 pm **Presidential Address**
JJ Ferris
Cygnets, Statesville, North Carolina

1:45 pm **Why We Are Here – A Perspective on the History, the Evolution, and Continuing Promise of the
MidSouth APMS Society**
Terry Goldsby
Aqua Services, Huntsville, Alabama

2:30 pm **Navigating Connections Between Science, Social Media, and Community Engagement**
Amy L. Giannotti
Aquastem Consulting, Winter Park, Florida

2:50 pm **Alligatorweed Control in Mississippi – Current and Future Management Options**
Gray Turnage
Mississippi State University, Starkville, Mississippi

3:20 pm **Refreshment Break** (*Moonlight B*)

General Session II (*Moonlight A*)

Moderator: **Daniel Hill**, *Louisiana Department of Wildlife and Fisheries, Lafayette, Louisiana*

3:40 pm **Glyphosate Shortages – Where did it all go?**
Michael Owen
Bayer Sciences, Raleigh, North Carolina

4:10 pm **Field Evaluation of Intermittent Pulse Endothall Treatment for Dioecious Hydrilla Control in Spring
Creek, Lake Seminole, GA**
K. Dean Jones, Benjamin P. Sperry, Michael W. Durham, Robert J. Richardson
UPL NA OpenAg Environmental Solutions, Auburndale, Florida

4:35 pm **Maintenance Control of Water Hyacinth**
Benjamin P. Sperry
U.S. Army Corps of Engineers Research and Development Center, Gainesville, Florida

5:00 pm **Day 1 Sessions Conclude**

5:30 pm **Wet Willies Presidents Reception**

Dinner on your Own

Tuesday, October 25th - General Sessions

Tuesday's Agenda-at-a-Glance

7:00 am - 8:00 am	Continental Breakfast (<i>Moonlight B</i>)
7:00 am - 5:00 pm	Meeting Registration (<i>Foyer</i>)
7:00 am - 5:00 pm	Exhibits Open (<i>Moonlight B</i>)
8:00 am - 9:40 am	Student Presentation Session (<i>Moonlight A</i>)
9:40 am - 10:00 am	Refreshment Break (<i>Moonlight B</i>)
10:00 am - 12:00 pm	Regulatory Session (<i>Moonlight A</i>)
12:00 pm - 1:30 pm	Lunch (<i>on your own</i>)
1:30 pm - 3:15 pm	General Session II (<i>Moonlight A</i>)
3:25 pm - 3:45 pm	Refreshment Break (<i>Moonlight B</i>)
3:45 pm - 4:25 pm	General Session III (<i>Moonlight A</i>)
4:25 pm - 4:55 pm	Resource Managers Session (<i>Moonlight A</i>)
5:05 pm - 5:30 pm	Business Meeting (<i>Moonlight A</i>)
6:30 pm - 9:00 pm	Conference Reception (<i>Crystal Ballroom</i>)

Dinner Provided at Reception

Student Presentation Session (*Moonlight A*)

Moderator: **Carl Della Torre**, *Orion Solutions, Greensboro, Georgia*

8:00 am **Emergent Macrophyte Invasion Effects on Nutrient Sequestration in a Simulated Floodplain Wetland Scenario**

Andrew Sample*, Gary N. Ervin, and Gray Turnage
Mississippi State University, Starkville, Mississippi

8:25 am **Control of Watershield in Mississippi Ponds**

MacKenzie Lee* and Gray Turnage
Mississippi State University, Starkville, Mississippi

8:50 am **Legislation and Status of Aquatic Noxious Weeds in the Southeast United States**

Joey Kauppi* and Gray Turnage
Mississippi State University, Starkville, Mississippi

9:15 am **Effects of PPO Inhibiting Herbicides on Feathered Mosquitofern (*Azolla pinnata*)**

Phillip Wittman* and Gray Turnage
Mississippi State University, Starkville, Mississippi

9:40 am **Refreshment Break (*Moonlight B*)**

Regulatory Session

Moderator: **Dean Jones**, *UPL NA OpenAg Environmental Solutions, Auburndale, Florida*

10:00 am **Mississippi Survey on Aquatic Invasive Species**
Kristina Alexander
Ole Miss, Oxford, Mississippi

10:25 am **Herbicides for Use in Aquatics**
Gray Turnage
Mississippi State University, Starkville, Mississippi

10:55 am **Pesticide Safety**
Sonja Thomas
Alabama Cooperative Extension, Auburn, Alabama

11:30 am **Keeping the “I” in IVM**
Megan Striegel
Grassroots Manager, RISE, Arrlington, VA

12:00 pm **Lunch on your own**

General Session II - (Moonlight A)

Moderator: **Wes Anderson**, *Alabama Power, Calera, Alabama*

1:30 pm **New Research Questions on Invasive Alligatorweed (*Alternanthera philoxeroides*) and Understudied Bio Agent**
Samuel Schmid*, Gary N. Ervin, and Gray Turnage
Mississippi State University, Starkville, Mississippi

1:55 pm **Automated Classification of Aquatic Invasive Plants Using Deep Learning AI and Visible Spectrum Imagery**
Sathish Samiappan, Ashutosh Shah, Gray Turnage, and Cary McCraine
Mississippi State University, Starkville, Mississippi

2:20 pm **Industry Discussions from All Angles**
K. Dean Jones, Carl Della Torre, Gray Turnage, JJ Ferris
UPL NA OpenAg Environmental Solutions, Auburndale, Florida

2:50 pm **APMS Update**
Jeremy Slade
UPL NA OpenAg Environmental Solutions, Alachua, Florida

3:10 pm **Refreshment Break (Riverview B)**

General Session III (Moonlight A)

Moderator: **Adam Charlton**, *Aquatic Control, Elizabethtown, Kentucky*

3:30 pm **Benefits to Returnable/Refillables and Custom Blending**
Ryan Ducote
Eco-Pak LLC, Lafayette, Louisiana

3:40 pm **Industry Update – Dean Jones – UPL**

3:55 pm **Industry Update – Jeff Suttner – Airmax**

4:10 pm **Industry Update - Harry Knight – Phoslock**

Resource Managers Session (*Moonlight A*)

Moderator: **Carl Della Torre**, *Orion Solutions, Greensboro, Georgia*

- 4:25 pm **Collaborative Agency Efforts to Contain and Eradicate Giant Salvinia from a Southern Reservoir**
Ryan Jones, Bradley Sartain, Daniel Hill, John Sigmond, Gray Turnage, Bobby Cleveland, Terry Aycock,
Stephen Willis, Don Henke, John Skains, Jamaal Bankhead, Charlie Welch, and Kevin Wyatt
Mississippi Department of Fisheries, Wildlife, and Parks
- 4:40 pm **Enhancing the Monitoring and Management Practices by Utilizing Technology**
Tim McLean
Alabama Power Company, Calera, Alabama
- 5:05 pm **Business Meeting**
- 5:30 pm **General Sessions Conclude**
- 6:30 pm** **Conference Social and Reception** (*Crystal Ballroom*)

Wednesday, October 26th – Aquatic Plant Workshop Field Day

Wednesday's Agenda-at-a-Glance

- 7:00 am - 8:00 am Breakfast (*Moonlight B*)
7:00 am - 10:00 am Meeting Registration (*Foyer*)
7:00 am - 10:00 am Exhibits Open (*Moonlight B*)
8:30 am - 11:45 am Aquatic Plant Workshop Field Day (*Five Rivers*)
11:45 am - 12:00 pm Closing Remarks

Closing Session (*Five Rivers – address and directions provided*)

Moderator: **J.J. Ferris**, *Cygnnet Enterprises, Statesville, NC*

- 8:30 am **Interactive Aquatic Plant Field Day**
Graves Lovell
Department of Conservation and Natural Resources, Enterprise, Alabama
- 11:45 am **Closing Remarks**
JJ Ferris
Cygnnet Enterprises, Statesville, NC
- 12:00 pm. **Adjourn**

Lunch on your own

Board of Directors Meeting (*TBD*)

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MANAGEMENT SOCIETY

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NEXT YEAR
42 Annual Meeting
Stay Tuned!