

PROGRAM

Thirty - Eight Annual Meeting

of the

South Carolina
Aquatic Plant Management
Society, Inc.



October 5 – 7, 2016

Springmaid Beach Resort

Myrtle Beach, South Carolina

Wednesday, October 5, 2016

Afternoon Session

1:00 p.m. - 5:00 p.m.

Moderator: Cory Heaton – SCAPMS President

10:00 - 11:00 a.m. SCAPMS Board meeting

11:00 - 5:00 p.m. Registration

1:00 p.m. – Presidential Address:

Cory Heaton, Clemson Extension Service

1:15 p.m. – Keynote Address:

The Changing world of Aquatic Business

Richard Hinterman –Cygnet Enterprises & AERF

1:45 p.m. – AERF Update / Pesticide Safety

Carleton Layne, Executive director of AERF

2:15 p.m. - Integrated Mosquito Management: Now more than Ever!

Kris New, Vector Disease Control International

2:35 p.m. – Santee Cooper Mosquito Control and How It Ties To Aquatic Plant Management

John Grant, Santee Cooper Power Company

2:55 p.m. - Break – Sponsored by Crop Production Services

3:30 p.m. - Aeration's Effect on Algae: A Review of Success And Failures

John Gardner, President, Vertex Water Features;

Patrick Goodwin, Research Biologist, Vertex Water Feature

Wednesday, October 5, 2016
Afternoon Session (continued)

3:50 p.m. – How to Approach Cyanobacteria Management

Ben E. Willis and West M. Bishop, SePRO Corporation

4:20 p.m. – The Management of Crested Floating Heart in Santee Cooper Lakes

Justin Nawrocki, Mid Atlantic Sales, UPI

4:40 p.m. – Establishment of a New Cool Climate Mesocosm Facility

J. Tyler Harris¹, Robert J. Richardson¹, Tracy Taylor², Steve T. Hoyle¹, Justin J. Nawrocki¹, Amy L. Henry¹, Andrew Howell¹, and Alexander M. Stewart³, ¹*North Carolina State University, Crop Science Department, Raleigh, NC;* ²*North Carolina Department of Agriculture and Consumer Services, Upper Mountain Research Station, Laurel Springs, NC;* ³*North Carolina Department of Agriculture and Consumer Services Research Station Division, Raleigh, NC*

6:00 - 8:00 p.m. President's Reception
Sponsored by SePRO and Santee Cooper

President's Reception Entertainment

Justin McCorkle Band: Justin McCorkle, David Danielson, Michael Johnson & Clay Williamson

Thursday, October 6, 2016

Morning Session

8:00 a.m. - 12:00 noon

Moderator: Ben E. Willis, SePRO Corporation Carmel, IN

8:00 a.m. - 5:00 p.m. – Registration

**8:00 a.m. – Welcome: Scholarship Raffle, Door Prize Drawing
Announcements**

**8:05 a.m. – Sustaining Member Updates, 5-minutes per member
By Appointment Only**

**8:30 a.m. -Student Paper: Response of Freshwater Organisms to
Sodium Carbonate Peroxhydrate Exposures**

Tyler D. Geer¹, Ciera M. Kinley, Kyla J. Iwinski,
Alyssa J. Calomeni, John H. Rodgers, Jr.

**8:45 a.m. – Student Paper: Factors Influencing Copper Fate
Following Algaecide Applications**

Alyssa J. Calomeni^{1,2}, Kyla J. Iwinski¹, Ciera M. Kinley¹
Tyler D. Geer¹, Maas Hendrikse¹,
Andrew D. McQueen, John H. Rodgers, Jr.¹

**9:00 a.m. – Student Paper: A new Perspective on Release of
Microcystin from *Microcystis aeruginosa* Following
Copper-Based Algaecide Treatment**

Maas Hendrikse¹, Kyla J. Iwinski¹, Alyssa J. Calomeni¹
Ciera M. Kinley¹, Tyler D. Geer¹, Andrew D. McQueen
John H. Rodgers, Jr.¹

Thursday October 6, 2016
Morning Session (continued)

9:15 a.m. – Student Paper: Evaluating the Sensitivity of Seven Seven Aquatic Plants to Procellacor™ Herbicide

Erika J. Haug, Michael Netherland, Mark Hielman
Robert J. Richardson *North Carolina State University
Crop and Soil Science Department, Raleigh, NC*

9:30 a.m. – Student Paper: Combining Multiple Sensors to Acquire a Comprehensive Map of Lake Vegetation

Andrew Howell, Steve Hoyle, Robert J. Richardson
*North Carolina State University Crop and Soil
Science Department, Raleigh, NC*

9:45 a.m. – Student Paper: Effect of Three Different Temperatures During Dormancy on Monoecious Hydrilla Propagule Viability

Amy Henry, Tyler Harris, Robert J. Richardson
*North Carolina State University, Crop and Soil
Science Department, Raleigh, NC*

10:00 a.m. – Break Sponsored by Cygnet Enterprises

10:25 a.m. – Scholarship Raffle Door Prize Drawings

10:30 a.m. – Student Paper: Effect of Salinity on Sprouted Monoecious *Hydrilla verticillata* Tubers

Shannon Auell, Steve Hoyle, Robert J. Richardson
*North Carolina State University, Crop and Soil
Science Department, Raleigh, NC*

10:45 a.m. – Student Paper: Aquatic Plant Management on Lake Gaston: A Case Study

A.J. Reyes, Steve Hoyle, Robert J. Richardson

Thursday October 6, 2016
Morning Session (continued)

11:00 a.m. – Student Paper: Operational Establishment of Native Aquatic Vegetation in Lake Gaston

Eryn Molloy, Steve Hoyle, A.J. Reyes,
Justin Nawrocki, Mark Fowlkes,
Robert J. Richardson

11:15 a.m. – PROCELLACOR™ - A Novel Herbicide Technology in Development for Aquatic Plant Management

Ben E. Wilis, Mark A. Heilman, C. Todd Horton
SePRO Corporation

11:45 a.m. – Annual Business Meeting

12:15 p.m. – Lunch on your own

Thursday October 6, 2016
Evening Session

1:00-5:30 p.m. – Scholarship Golf Tournament
Sponsored by Syngenta

1:00-5:30 p.m. – Fishing Tournament
Sponsored by Alligare

5:45 p.m. – Hospitality: Pool Side

6:00 – 6:45 p.m. – Duck Race
Sponsored by SOLitude Lake Mgmt,
Estate Mgmt, Foster Lake & Pond Mgmt

7:00 – 10:00 p.m. – Awards Banquet Sponsored by:
UPI, Summit Helicopters, Brewer International

Friday, October 7, 2016

Morning Session

8:00 a.m. - 12:15 p.m.

Moderator: Bo Burns

SOLitude Lake Management

8:00 a.m. – Friday Registration

8:30 a.m. – Welcome, Scholarship Raffle Door Prize Drawings

8:40 a.m. – New Product Updates 5 Minutes per Member by Appointment Only

9:00 a.m. – “Overview of Blue Tilapia (*Oreochromis aureus*) as a Means of Biological Weed Control”

W. Cory Heaton, PhD, Extension Assistant Professor,
Certified Crop Advisor 336271

9:20 a.m. – Master Pond Manager Statewide Update: Two Years

And Four Courses Later

Guinn Wallover, Water Resources Agent, Master Pond
Manager Program Coordinator, Clemson Extension,
Carolina Clear

9:40 a.m. – Assessment of Various Algaecide Treatments in Striped Bass Fingerling Production Ponds

Forrest W. Sessions, South Carolina Department of
Natural Resources, Co Author: Jarrett J. Gibbons,
South Carolina Department of Natural Resources

10:00 a.m. – Clemson Regulatory Update: Pesticide Misuse, Invasive Plants and Other Issues of Concern

Dr. Steve Cole, Director, Regulatory & Public
Service Programs, Clemson University PSA

10:30 a.m. – Break Sponsored by Lonza

Friday October 7, 2016
Morning Session (continued)

10:50 a.m. – Scholarship Raffle Door Prize Drawings

11:00 a.m. – APMS Update: Dr. Rob Richardson,
North Carolina State University

11:15 a.m. – Duke Energy Update: Ken Manuel/Tommy Bowen
Duke Energy, Huntersville, NC

11:30 a.m. – Santee Cooper Update: Larry McCord, Santee Cooper
Power, Monks, Corner, SC

11:45 a.m. -- North Carolina Update: Rob Emens, NCDENR,
Raleigh, NC

12:00 p.m. – South Carolina Update: Chris Page, SCDNR
Columbia, SC

12:15 p.m. – Adjourn

12:30 p.m. – SCAPMS Board of Directors Meeting

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