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40th Annual Meeting

of the

Florida Aquatic Plant Management Society



Hilton Daytona Beach Resort/Ocean Walk Village

Daytona Beach, Florida

October 17-20, 2016

Approved for Continuing Education Units by the
Florida Department of Agriculture and Consumer Services

APPROVED CEUs (max per person: 17)

CORE (482 or 487)	2
Aquatic	16
Demo & Research	14.5
Natural Areas	11
Private	14.5
Right-of-Way	9

Program

Kris Campbell

Lyn A. Gettys

Karen Brown

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OFFICERS 2015-2016

PRESIDENT

Angie Huebner

PRESIDENT-ELECT

Andy Fuhrman

PAST-PRESIDENT

Ed Harris

SECRETARY

Stephanie Walters

TREASURER

Jennifer Myers

EDITOR

Lyn Gettys

DIRECTORS

Bryan Finder	Jeremy Slade	Bill Kurth
Keith Mangus	Linda Defee	Joyce Hertel
Mike Hulon	Kelli Gladding	Scott Jackson

Monday, October 17, 2016

1:00 *Exhibit/Vendor Setup – Coquina D & E until 6:00p*

3:00 *FAPMS Board of Directors – Coquina A*

Tuesday, October 18, 2016

8:00 *Registration and exhibits open until 6:00p*

8:00 *Past Presidents Meeting/FAPMS Research and Scholarship Foundation Meeting – Ponce De Leon*

SESSION 1: Keynote and Hot Topics (FDACS 22042)

Coquina F, G & H; Moderator – **Angie Huebner**

10:00 ***Call to Order and Presidential Address***
Angie Huebner, FAPMS President
Announcements – Program, Local Arrangements, CEUs

10:25 ***Keynote: FAPMS and 40 years of aquatic weed control in Florida***
Joe Joyce, UF/IFAS (retired)

10:50 ***Florida's invasive plants: A capital concern***
Sarah Busk, The Advocacy Group at Cardenas Partners

11:15 ***Intervening in major algal "blooms" in Florida***
John Rodgers, Clemson University

11:40 ***Lunch (on your own)***

FAPMS PAST PRESIDENTS

1977	Leslie Bitting Sr.
1978	Leslie Bitting Sr.
1979	Harold Brown
1980	Bill Haller
1981	Joe Joyce
1982	William Maier
1983	Carlton Layne
1984	Paul Myers
1985	Clarke Hudson
1986	David Tarver
1987	Michael Mahler
1988	Eddie Knight
1989	Bill Moore
1990	Brian Nelson
1991	Dan Thayer
1992	Ken Langeland
1993	Wayne Corbin
1994	Wendy Andrew
1995	Mike Hulon
1996	Don Doggett
1997	Ernie Feller
1998	Francois Laroche
1999	Jim Brewer
2000	Jeff Schardt
2001	Nancy Allen
2002	John Rodgers
2003	P.J. Myers
2004	Steve Weinsier
2005	Keshav Setaram
2006	Bill Moore
2007	Vicki Pontius
2008	Chance DuBose
2009	Mike Netherland
2010	Mike Bodle
2011	Vernon Vandiver
2012	Jerry Renney
2013	Tim Harris
2014	James Boggs Jr.
2015	Ed Harris

HONORARY LIFETIME MEMBERS

Leslie E. Bitting, Sr. (1996)
Edward D. Knight (1997)
William T. Haller (2006)
Andy L. Price, Sr. (2006)
Vernon V. Vandiver, Jr. (2006)
William H. Moore (2011)
Carlton Layne (2012)
Ken Langeland (2013)
Don Doggett (2013)
Stephanie McCarty (2014)
Jeff Schardt (2014)

FAPMS CHARTER MEMBERS continued

Seaver, Harry R.	Trent, Lowell L.
Sheppardson, Terry	Tucker, Sr., Marvin R.
Shinholser, James F	Tye, Carl
Smith, Robert W.	Vance, Grady
Sparkman, Perry L.	Vandiver, Jr., Vernon V.
Spirnock, Ray A.	Vowell, James E.
Stafford, Jr., Frank S.	Walker, Billy Joe
Stanley, J. G.	Waters, Donald B.
Steward, Charles W.	Weber, Richard Lee
Steward, Frank E.	Weedon, J. Stanley
Steward, Kerry K.	Widmann, Donald C.
Stokes, Glenn M.	Williams, James L.
Stoll, Richard H.	Wilson, Frank
Sutton, David L	Woodman, William J.
Sweat, Harry	Worsham, W. A.
Szymborski, Richard A.	Wright, Lewis
Tarver, David P.	Wunderlich, William E.
Taylor, Thomas M.	Yager, J. L.
Temples, Glenn C.	Yoder, Philip J.
Thomas, Paul A.	Young, Phillip
Tomasello, Rudolph P.	

*****Don't forget!*****



Presidential Reception: Tuesday at 5:30
Mai Tai at Bubba Gump's

Duck Races: Wednesday at 5:30
Poolside Terrace – 5th floor, north tower

FAPMS Awards Banquet: Wednesday at 7:00
Coquina A, B & C

Grand Prize Drawing: Thursday at 11:45
Coquina F, G & H

SESSION 2: Product and label updates (FDACS 22043)

Coquina F, G & H; Moderator – **Scott Jackson**

- 1:00 **PRIZE DRAWING**
- 1:05 **UPI - Tools for a successful aquatic plant management program**
Jeremy Slade, UPI
- 1:25 **Innovating algae and weed management: new and not so new approaches**
Michael Shaner, SePRO
- 1:40 **Syngenta industry updates**
Scott Jackson, Syngenta
- 1:55 **Product update from CPS**
Moe Finke, Crop Production Services
- 2:10 **Advancements in peroxygen algacide**
Tom Warmuth, BioSafe Systems
- 2:20 **Restoring the earth one foot at a time**
Brian Fischer, Lake & Wetland Management, Inc.
- 2:30 **Texas Aquatic Harvesters and much more**
Mike Hulon, Texas Aquatic Harvesting
- 2:40 **Product updates from WinField**
Dharmen Setaram, WinField
- 2:45 **BREAK**

SESSION 3: Invasive species resources (FDACS 22044)

Coquina F, G & H; Moderator – **Lyn Gettys**

- 3:00 **PRIZE DRAWING**
- 3:05 **Invasive Plant Management Association (IPMA) state FY 2015-16 summary and FY 2016-17 legislative session update**
Jim Burney, IPMA
- 3:30 **FAPMS partnering with CISMAs**
Kelli Gladding, SePRO
- 3:55 **Invasive plant education – Invading a classroom near you!**
Dehlia Albrecht, UF/IFAS
- 4:20 **FDACS compliance, an applicator's perspective - or why it's important to read labels thoroughly and often**
Jerry Renney, Applied Aquatic

4:45 ***A little rebellion now and then is a good thing***
Carlton Layne, AERF

5:10 ***Adjourn***

5:30 ***Presidential Reception – Mai Tai at Bubba Gump’s***

Wednesday, October 19, 2016

SESSION 4: Aquatic vegetation (FDACS 22045)

Coquina F, G & H; Moderator – Stephen Enloe

8:00 ***PRIZE DRAWING***

8:05 ***Welcome to the jungle: Hydrilla with an appetite for destruction!***
Amy Giannotti, City of Winter Park

8:30 ***New IPM approach for hydrilla management: Research update***
Jim Cuda, UF/IFAS

8:55 ***The effect of burial duration, desiccation and daylength on sprouting of crested floatingheart***
Ian Markovich, UF/IFAS

9:20 ***Inventory and potential harvesting of non-native aquatic plants in coastal urban waters***
Phillip Bellamy, Bethune-Cookman University

9:45 ***BREAK***

SESSION 5: Weed management (FDACS 22046)

Coquina F, G & H; Moderator – Greg MacDonald

10:00 ***PRIZE DRAWING***

10:05 ***Aquatic and upland grasses***
Candice Prince, UF/IFAS

10:30 ***Invasive grass control with sethoxydim in Florida***
Stephen Enloe, UF/IFAS

10:55 ***Treatments and trials around south Florida***
Mike Bodle, SFWMD

11:20 ***Taxonomic results and identification of the Ludwigia uruguayensis complex in Florida***
Colette Jacono, UF/IFAS

11:45 ***LUNCH (on your own)***

FAPMS CHARTER MEMBERS

Abramson, Stanley	Hogan, William D.
Adams, John	Holmes, Pennie
Almand, C. William	Hope, Donald E.
Anderson, Paul	Hopkins, Jr., Sam B.
Arnold, Wendell	Huckabee, Alvin B.
Baird, Douglas D.	Hudson, Clarke
Baker, Gordon	Jenkins, James P.
Barnette, William	Jenus, Joseph, Jr.
Bay, P. A. M.	Johnston, Donald C.
Beasley, Larry	Jones, Dan
Betz, George	Joyce, Joe
Bitting, Les	Karby, Steven
Blackburn, Candy	Kawaguchi, Paul
Blackburn, Robert	Kelso, John T.
Blakely, Robert	King, Paul C.
Boykin, R. Ken	Lambert, Porter
Brewer, Paul	Land, Rex E.
Brightwell, R. E.	Land, W. E.
Brooks, Thomas	Lawson, Walter R.
Brown, Deanna	Layer, John L.
Brown, Donald W.	Layne, Carlton
Brown, Harold F.	Leasure, A. D.
Brown, Martin	Lee, Donald V.
Burkhalter, Alva P.	Lee, Russell C.
Campbell, Edward	Lowder, Edward C.
Carson, Webster B.	Lowe, Glen L
Carter, Chris C.	Maddox, Larry L.
Chandler, Lawrence	Madison, Edward, Jr.
Christian, Donald G.	Mahler, Michael J.
Clark, James E.	Maier, Bill
Clark, Roy P.	McCarty, William A.
Cook, Jon	McDonald, Eugene E.
Cool, Carl	McKinney, Larry M.
Cribbs, Benjamin	McMillian, William H.
Cummings, Herb	Merritt, Ralph
Day, Ronald L.	Mickler, Hampton J.
Deets, Paul	Miller, Edward J.
Deets, Peter J.	Minter, Tom
Dequine, John F.	Moherek, Emil A.
Dilmore, R. W.	Monahan, William T.
Dinagan, F. J.	Moore, William H.
Downing, Kevin	Mosier, Greg
Drda, Thomas F.	Mullens, Thomas C.
Edwards, William G.	Murningham, Jack
Flavin, James P.	Myers, Vernon W.
Flori, Carl Dr.	Nichols, Gary D.
Flowers, Charles J.	Orsenigo, J. R.
Fredell Sr., Oran	Parham, Carl A.
Friedman, Herbert J.	Pederson, Pete
Frizzell, Johnie	Perryman, Jerry M.
Gardner, John W.	Phillippy, Clayton L.
Garrard, Leon A.	Phillips, P. W.
Gates, Robert J.	Pieroni, Alfi M.
German, Louis	Price, Andy L.
Glenn Jr., John E.	Pruitt, Gary W.
Grote, J. C.	Raimondo, Paul
Hale, Lee	Ranson, James H.
Hall, B. Lamar	Rapp, James B.
Haller, Bill	Raulerson, Edgar W.
Hardy, Paul E.	Rivelli, Thomas A.
Hargrove, Chuck	Rushing, William N.
Harp, Jean B.	Sassic, Nicholas
Harper, George L.	Scherer, Lester E.
Hestand, Rue S.	Schweigart, Joe
Hinkle, Joe C.	Sconyers, Max C.

VOTING SLATE FOR PRESIDENT-ELECT AND BOARD OF DIRECTORS

President-Elect: Keith Mangus

Keith has been an active member of FAPMS since he entered our industry in 1996 as a Licensed Applicator for Applied Aquatic Management, Inc. During his tenure at AAM, Keith has been instrumental in many of AAM's projects as both an applicator and/or supervisor. Keith currently manages a team of licensed applicators on Governmental projects for AAM. These clients include various County and City Governments as well as the SFWMD, FFWCC, and the ACOE. Keith oversees the day to day operations on these projects. Keith is also involved with the planning, scheduling and execution of large and small scale treatments for nuisance and exotic floating, submersed and emergent vegetation. Keith was awarded the Applicator of the Year award in 2008.

Board of Directors: Randy Snyder

Randy has been trained in Tactical Air Traffic Control through the US Marine Corps. He has worked for the St. Johns River Water Management District for 23 years in the aquatic plant management field. His current job title is Invasive Plant Control Program Supervisor. Randy's primary responsibilities are to assess, oversee, and monitor vegetation management activities within the St. Johns River Water Management's South Central and Southern areas. Responsible for oversight of all aerial and ground services contractors, and the execution and management of the Florida Fish and Wildlife Commissions Cooperative Aquatic Plant Control reimbursement Program.

Board of Directors: Jeff Holland

Jeff Holland is a professional Limnologist and Deputy Manager with the Reedy Creek Improvement District, specializing in watershed management and practical solutions to lake management challenges. He started his career in Oceanography with a degree from the Florida Institute of Technology in 1984, and his first job was a Seismic Oceanographer with Teledyne Marine Exploration Division, Houston, TX. Jeff was first introduced to the Florida Aquatic Plant Management Society in 1986 by his professor Dr. John Osborne. He held the volunteer position of Editor for FAPMS Aquatics Magazine from 2004 through 2010, and earned the FAPMS Presidential Award in 2010. After obtaining a Bachelor's degree in Limnology from UCF, Jeff became employed at the RCID Environmental Sciences Laboratory where he joined the team monitoring water quality, conducting bioassessments of lakes and streams, supervising aquatic plant management, managing fisheries, and performing GIS evaluations for the local District. Jeff has conducted numerous aquatic plant management and herbicides studies in Central Florida, many of which have indirectly contributed to various scientific findings and publications. When not at work, Jeff and his wife Trish (married 29 years) raise a family of four kids and volunteer with the local charities such as "Kids In Support of Soldiers". Jeff has maintained a second career of becoming a professional bass angler through competition on the Bassmaster Opens, Bass Nation, and American Bass Anglers Pro/AM tournament trails since 1999.

Board of Directors: Robbie Lovestrاند

Robbie earned his MS Wildlife and Fisheries Science degree from Texas A&M University in 1986. From 1986-89, Robbie worked with Dr. Dan Canfield and Dr. Chuck Cichra in the UF Fisheries Department. He assessed the role of aquatic plants in lakes and also worked in aquatic education and pond management. From 1989 to present, Robbie has worked as the FWC Invasive Plant Management Regional Biologist for Marion, Levy, Citrus, Hernando, and Sumter Counties. Currently Office Manager for the SW Regional Office, he supervises staff and assists the public with aquatic plant questions and aquatic plant control permitting. Robbie also surveys, plans and monitors aquatic plant control work in the public waterbodies. Robbie has been an FAPMS member since 1989 and has chaired several committees.

SESSION 6: Tools in the toolbox (FDACS 22047)

Coquina F, G & H; Moderator – Lyn Gettys

- 1:00 **PRIZE DRAWING**
- 1:05 ***Efficacy of herbicides on Ludwigia hexapetala and Ludwigia grandiflora types in Florida***
Afsari Banu, UF/IFAS
- 1:25 ***Maximum penetration or not?***
Matthew Cole, SJRWMD
- 1:45 ***The use of anionic polymer blends to manage nutrients, keep water clean, and improve productivity***
Eddie Snell, Applied Polymer Services
- 2:05 ***There's an app for that***
Tony Pernas, Big Cypress National Preserve
- 2:25 ***EcoAnalytics and Canopeo: New tools to assist with surveying aquatic plant communities and monitoring aquatic plant management impacts***
Dean Jones, UF/IFAS
- 2:45 **BREAK**
- SESSION 7: More tools in the toolbox (FDACS 22048)**
Coquina F, G & H; Moderator – Angie Huebner
- 3:00 **PRIZE DRAWING**
- 3:05 ***Practicing what we preach: Herbicide safety and awareness***
Stephen Montgomery, Allstate Resource Mgmt.
- 3:30 ***USACE UAS applications for aquatic plant management***
Victor Wilhelm, USACE
- 3:55 ***FAPMS Annual Business Meeting***
- 4:20 ***Equipment Demonstration – The Park***
Dharmen Setaram, WinField Solutions
- 5:00 **Adjourn**
- 5:30 ***Duck Races – Poolside Terrace – 5th floor, north tower***
- 7:00 ***FAPMS Awards Banquet – Coquina A, B & C***

