

Since 1961

Organized as a forum to share water hyacinth control experiences, the APMS Mission now encompasses research and management of all vascular aquatic plants and algae.



biological



chemical



mechanical



cultural

Aquatic Plant News

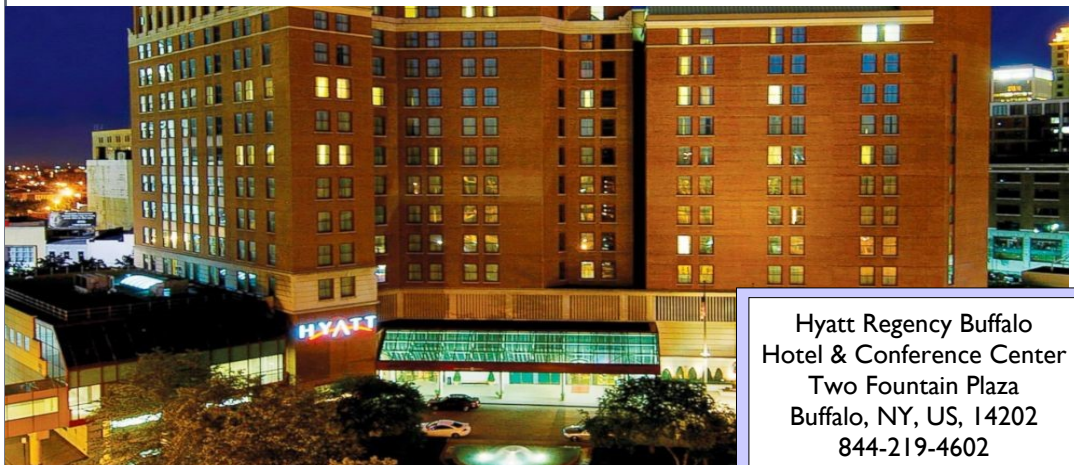
The Newsletter of the Aquatic Plant Management Society, Inc.
7922 NW 71st Street, Gainesville, FL 32653
Jeffrey D. Schardt, Newsletter Editor

We're on the Web!
apms.org

Issue 118

June 2018

Join Us in Buffalo for the 2018 APMS Annual Meeting



Hyatt Regency Buffalo
Hotel & Conference Center
Two Fountain Plaza
Buffalo, NY, US, 14202
844-219-4602

Plan now to attend the 58th Annual Meeting of the Aquatic Plant Management Society to be held July 15-18, 2018 at the Hyatt Regency Buffalo Hotel and Conference Center. In addition to aquatic plant research and operational updates, the Program Committee has scheduled presentations on starry stonewort and harmful algae blooms with focus on the NE Region.

You can access the Pre-final Agenda for the 2018 Annual Meeting on the APMS web site www.apms.org. While there, today is a good time register for the meeting and make hotel reservations. You must make your hotel reservations before June 23 to get the \$159 rate.

Only thirty minutes from the Hyatt is beautiful Niagara Falls. You can also enjoy downtown Buffalo, with over 20 restaurants within a 10-minute walk of the Hyatt and many attractions close to the hotel.

Hotel reservations:

<https://aws.passkey.com/e/13947061>

Conference registration and information:

<https://www.apms.org/annual-meeting>

Things to do around Buffalo:

<http://www.visitbuffaloniagara.com/see-do/>

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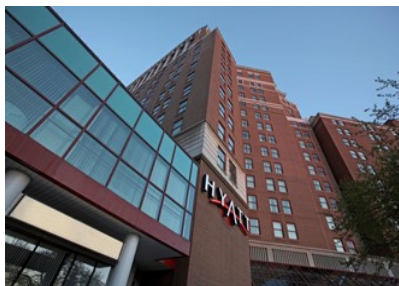
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Make your Reservations NOW for the 58th APMS Annual Meeting!

The APMS Board continues a concerted effort to keep registration costs at a reasonable level. Registration fees this year are the same as 2017—\$300.00 for a delegate and \$130.00 for a guest (spouse, partner, child over 12 years of age) if received by June 15, 2018. After this date, registration fees at the door will be \$375.00 for a delegate and \$155.00 for a guest. The meeting registration fee for a student competing in the student paper contest (oral or poster) is waived and the registration fee for a student not competing is \$75.00.

Delegate and student registration includes all technical sessions, President's Reception, continental breakfasts, refreshment breaks, Poster Reception, and Awards Reception and Banquet. Guest registration includes President's Reception, continental breakfast and breaks, Poster Reception, and Awards Reception and Banquet. Non-registered guests may purchase individual tickets for these events.

The 2018 Annual Meeting will begin with the President's Reception on Sunday evening. As the official



welcoming event of the meeting, this reception is an excellent time to re-acquaint with colleagues, meet new friends, and just relax. Heavy hors d'oeuvres and beverages will be served. All students registered for the conference will have an opportunity to meet one another and become familiar with the conference format at the Student Meet-and-Greet scheduled one hour prior to the President's Reception.

The Program will commence at 8:00 am Monday and adjourn at 12:30 pm on Wednesday. The 2018 Annual Meeting site lies within the boundaries of the Northeast APMS Regional Chapter. We have many presentations slated in the Program that deal directly with or are relevant to aquatic plant and

algae problems and management strategies in the northeast.

The Monday Poster Reception is scheduled for early in the evening with all poster presenters in attendance explaining their work and answering questions. The Poster Reception is held in the Exhibit Hall to



enhance networking among vendors and sponsors along with researchers. Light hors d'oeuvres and beverages will be served. There is sufficient time afterwards to further discuss research or business on site or at a local restaurant.

The APMS Reception and Awards Banquet on Tuesday evening will be another memorable event where we recognize those who have served and contributed to our Society, welcome new officers and directors, and present student paper and other awards.

Please make your hotel reservations early. When making reservations by phone, be sure to mention that you are part of the Aquatic Plant Management Society. The cutoff date for reservations at the special group rate is June 23, 2018. Our special APMS guest room rate is \$159.00 for single and double occupancy per night plus applicable tax. These group rates are available three days prior to the conference and three days post conference subject to availability. Check in time is 3:00 pm; checkout time is 12:00 pm. If you depart earlier than your reserved departure date, the hotel will charge one night room and tax.

We hope to see you and your family in Buffalo as we celebrate the 58th Annual Meeting of the Aquatic Plant Management Society!

www.apms.org

58th Annual Meeting of the APMS Registration Form

Delegate/Student/Guest Information

Last Name: _____ First Name: _____ M.I: _____

Affiliation: _____

Address: _____

City: _____ State/Province: _____ Zip/Postal Code: _____

Country: _____ E-mail Address: _____

Phone: _____ Fax: _____

Registration *(Includes Refreshment Breaks, President's Reception, Poster Reception, and Banquet)*

	Early <i>(by June 15, 2018)</i>	On-site	
<input type="checkbox"/> Delegate Registration	\$ 300.00	\$ 375.00	\$ _____
<input type="checkbox"/> Student Paper Competition Registration	\$ 0.00	\$ 0.00	\$ 0.00
<input type="checkbox"/> Regular Student Registration (non-competing)	\$ 75.00	\$ 75.00	\$ _____
<input type="checkbox"/> Guest Registration (spouse, partner, child over 12 years-of-age) <i>(also includes the Guest Tour)</i>			
Name(s): _____	\$ 130.00	\$ 155.00	\$ _____
<input type="checkbox"/> One-day Meeting Registration <i>(includes refreshment breaks on day of attendance only)</i>			
Day of Attendance: _____	\$ 100.00	\$ 100.00	\$ _____

Individual Special Event Tickets for Non-registered Guests

<input type="checkbox"/> President's Reception	Name(s): _____	\$ 40.00	\$ 50.00	\$ _____
<input type="checkbox"/> Poster Reception	Name(s): _____	\$ 40.00	\$ 50.00	\$ _____
<input type="checkbox"/> Banquet	Name(s): _____	\$ 55.00	\$ 65.00	\$ _____

Membership Dues (2018)

<input type="checkbox"/> Individual	\$ 75.00	\$ _____
<input type="checkbox"/> Student	\$ 20.00	\$ _____
<input type="checkbox"/> Sustaining	\$500.00	\$ _____

Total Payment Amount:

\$ _____

Payment Method (Check One)

☐ Check *(Make Payable to APMS, Inc.)* Credit Card: ☐ Visa ☐ Master Card ☐ American Express

Credit Card Number: _____ Expiration Date: _____

Name as it Appears on Card: _____ Signature of Card Holder: _____

Send Completed Form and Payment to:

The Aquatic Plant Management Society, Inc.

7922 NW 71st Street

Gainesville, FL 32653

Fax: 352-392-3462

Early registration accepted if form and payment received by June 15, 2018. Registration questions, please phone: 662-617-4571 or E-mail: APMS14@Hotmail.com

Cancellation/Refund Policy: Registration fees are fully refundable prior to June 29, 2018, less a \$25.00 processing and handling fee. No refund of any fees will be issued if cancellation of participation is received after June 29, 2018. Notice of cancellation must be received by APMS via mail, fax, or e-mail. **Phone cancellations will not be accepted.**

There is Still Time to Sponsor or Exhibitor at the 2018 Annual Meeting

Sponsors* Sponsors are essential to the success of the APMS Annual Meeting. After meeting with sponsors and conference attendees, APMS revised the benefits for the various sponsorship levels to acknowledge and show appreciation to Sponsors for their contributions. Please see the following link ([APMS Sponsorship](#)) for a complete list of benefits for each Annual Meeting Sponsorship Level.

Exhibitors* The APMS Annual Meeting offers an excellent opportunity to exhibit products and services and interact with key people in aquatic plant management across the country. The Exhibit Hall is also the site of daily continental breakfasts and refreshment breaks as well as the Monday evening Poster Reception to increase interactions and discussion among Exhibitors and meeting attendees.

** If we receive your Sponsorship or Exhibitor contribution prior to June 14, we can print your company name and address in the 2018 Annual Meeting Program.*

For more information on Meeting Sponsorship and Exhibiting, please contact APMS Exhibits Committee Chair Dean Jones (kdjones@ufl.edu) or visit the web site at (www.apms.org/annual-meeting)

**JOURNAL OF AQUATIC PLANT MANAGEMENT
RESEARCH METHODS**

Weed management in aquatic environments presents unique challenges that are not commonly faced in weed science research. This publication contains 14 chapters from leading researchers to explain the difficulties and detail how to generate repeatable data in aquatic systems.

Cost \$35

Go to **www.apms.org** to order your copy today!

Contents

- 1. Management methods of submerged, emergent, and floating plants for research
- 2. Using remote sensing to monitor aquatic plant management research
- 3. Using remote sensing to monitor aquatic plant management research
- 4. Using remote sensing to monitor aquatic plant management research
- 5. Using remote sensing to monitor aquatic plant management research
- 6. Using remote sensing to monitor aquatic plant management research
- 7. Using remote sensing to monitor aquatic plant management research
- 8. Using remote sensing to monitor aquatic plant management research
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- 14. Using remote sensing to monitor aquatic plant management research

APMS
Aquatic Plant Management Society
Established 1981

Join the Conversations on the LinkedIn APMS Group—John Madsen

The APMS LinkedIn Group is alive, well, and continues to grow. We now have 1,296 members. While it is interesting to share news and updates, there is more functionality for this group.

Anyone can post a conversation, share a job opening, or send an announcement of upcoming events. The group moderator does not need to initiate the post. I will assign posts to appropriate categories, but gener-

ally will allow any appropriate post to be shared.

If you are not a LinkedIn member, join today. It is free to use, and is available at www.linkedin.com. Then, search the Aquatic Plant Management Society under "groups." If you can't find it, send me an email or communication via LinkedIn and I will send you an invitation. So, share a job opening or announce a company initiative. The group is open for business.

58th Annual Meeting of the APMS

Exhibit Booth Form

Contact Information

Contract must be signed by the individual who is responsible for the exhibit.

Print Name: _____ Signature of Acceptance: _____

Exhibit Booth Information

Company: _____

Booth Staffer Name: _____

Exhibit booth fee includes one (1) free meeting registration.

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ E-mail Address: _____

Exhibit Booth Fees

☐ Single Exhibit Booth (8'x10') - \$800.00 \$ _____

Other Fees

☐ Non-profit Table - \$0 \$ _____

☐ Additional contribution (Sponsorship): _____ \$ _____

* *Optional:* Electricity – See attached hotel form. \$ pay hotel directly

Total Amount \$ _____

Type of Exhibit

☐ Table Top ☐ Screens ☐ 8 x 10 ☐ Other: _____

Payment Method (Check One)

☐ Check (*Make Payable to APMS, Inc.*)

Credit Card: ☐ Visa ☐ Master Card ☐ American Express

Credit Card Number: _____ Expiration Date: _____

Name as it Appears on Card: _____ Signature: _____

Please Mail or Fax Completed Form and Payment by June 15, 2018 to:

The Aquatic Plant Management Society, Inc.

7922 NW 71st Street

Gainesville, Florida 32653

E-Mail: APMS14@Hotmail.com

Phone: 662-617-4571

Fax: 352-392-3462

Matters Requiring Votes at the July 16, 2018 Annual Business Meeting

Several matters will be presented to the general membership for vote at the APMS Annual Business Meeting scheduled for 4:25 pm on Monday, July 16, 2018 during the Annual Meeting in Buffalo. Items that will be considered include: 1) a proposed Bylaws amendment to create a fund used solely to support

the APMS Graduate Student Research Grant; 2) a Board proposal to increase annual dues for Individual Membership to assist in sustaining the Graduate Student Research Grant; and 3) the 2017-2018 Slate of Officers and Directors presented by the Nominating Committee.

1) Proposed Bylaws Amendment - Revising Scholastic Endowment

During the 2017 APMS strategic planning effort, participants identified the need to create a stand-alone financial account used solely to fund the APMS Graduate Student Research Grant. This Action Step is included in Goal 1 of the 2017-2021 [Strategic Plan](#). The Bylaws and Resolutions Committee developed lan-

guage to address changes to the Scholastic Endowment language in the Bylaws, Article XVI. The proposed new wording, approved by the Board is shown below. The APMS Membership must vote to accept, modify or reject this proposed revision.

Proposed Bylaws Revision:

ARTICLE XVI. SCHOLASTIC ENDOWMENT

Section A. The Aquatic Plant Management Society Scholastic Endowment shall be used to fund the Aquatic Plant Management Society Graduate Student Research Grant program.

Section B. The Aquatic Plant Management Society Scholastic Endowment fund shall be maintained in a separate account, administrated by the Aquatic Plant Management Society Board of Directors, and shall be used in perpetuity solely to fund the Aquatic Plant Management Society Graduate Student Research Grant program. Payments shall be made to Graduate Student Research Grant recipients following recommendation by the Aquatic Plant Management Society Vice President and the Vice President's Graduate Student Research Grant Review Committee, with the approval of the Aquatic Plant Management Society Board of Directors.

2) Proposed Increase in Individual Membership Dues

APMS contributors and sponsors have suggested that APMS Membership should play a more active role in supporting Core Values of the Society, such as sustaining the Graduate Student Research Grant. Accordingly, the Board voted to deposit half of all Sustaining Membership annual dues into the Scholastic Endowment fund. The Board is also proposing a \$20 increase in annual dues for Individual Membership from \$75 to \$95 per year, with 20% of all Individual Membership dues to be deposited into the Scholastic Endowment fund. If approved, the increase will become effective

in January 2019. A dues increase requires membership approval and will be voted on during the July 16 Annual Business Meeting.

Further, beginning in 2019, the Board is proposing to include APMS annual membership for the following year within Annual Meeting registration fees. Therefore, Annual Meeting registration in 2019 will also include APMS membership for 2020. Persons not attending the 2019 Annual Meeting may still pay 2020 dues in January, 2020.

3) Approval of the 2018 APMS Officer and Director Nominee Slate



The following candidates have been selected by the Nominating Committee for consideration to serve on the APMS Board of Directors. The Nominating Committee suggests a slate of candidates for positions that are about to come open on the Board. Each candidate must meet specific criteria set forth in the APMS Bylaws. The Board of Directors has approved the slate and active members will vote to approve or amend the slate for new Officers and Directors at the Annual Business Meeting.

Office	Name	Affiliation	City	State / Country
Vice President	Ryan Wersal	Lonza	Alpharetta	Georgia
Director	Marc Bellaud	SOLitude Lake Management	Shrewsbury	Massachusetts
Director	Amy Ferriter	Crop Production Services	Boise	Idaho

Dr. Ryan M. Wersal, Ph.D. – Vice President

Dr. Wersal is the Aquatic Plant Scientist at Lonza in Alpharetta, GA. He coordinates interactions between the surface water business unit and research and technology personnel. Dr. Wersal oversees research and development projects with respect to aquatic herbicides and algaecides. He conducts basic research under both controlled and field conditions to support current products, to verify efficacy of new products, and to develop the most effective use pattern for Lonza's herbicides and algaecides. Dr. Wersal has bachelors and masters degrees in Biology from Minnesota State University and a PhD degree in Weed Science from Mississippi State University. He has worked on aquatic plant issues for over 13 years.

Prior to Lonza, Dr. Wersal was a Post-Doctoral Researcher from 2011 to 2012, Research Associate III from 2010 to 2011, Research Associate II from 2007 to 2010, and Research Associate I from 2004 to 2007 during his time at the Geosystems Research Institute, Mississippi State University, Starkville, MS.

A member since 2004, Dr. Wersal has been active in the Aquatic Plant Management Society. He was the student representative to the Board of Directors (2006 - 2007), serves on the Publication Committee (2006 to present), served on the Student Affairs Committee (2007 - 2009), Chair of the Website Committee (2010 - 2014), served on the Education and Outreach Committee (2011 - 2017), serves on the Awards Committee (2014 to present), Director on the

Board (2014 - 2017), serves on the Finance and Scholaristic Endowment Committees, and served on the Proposal Review Committee (2017 to 2018).

Dr. Wersal has also served on the Board of Directors for the MidSouth Aquatic Plant Management Society: as Editor and Chair of the Editorial Committee, Chair of the Website Committee, member of the Scholarship Committee, Chair of the Program Committee, President-Elect (2015 to 2016), President (2016 - 2017), and Past-President (2017 - 2018). He has been a member of the Western, Texas, Northeast, and MidWest Aquatic Plant Management Societies. Dr. Wersal served on the Student Affairs Committee for the Midwest APMS.

He currently serves on the Weed Science Society of America's Website Committee, the Invasive Plant Science and Management Editorial Committee, served on the Public Awareness Committee, and was an invited member of the ad hoc Strategic Planning Committee. Dr. Wersal was a Board of Representative Member for the Council for Agricultural Science and Technology (CAST) (2011 - 2014), Vice-Chair of the Plant, Agricultural and Environment Working Group (2013), and Chair of the Plant, Agricultural and Environment Working Group (2014). He is Associate Editor for the Journal of Aquatic Plant Management (2010 - present) and Invasive Plant Science and Management (2014 - present); and serves on the Editorial Board of Directors for the Journal of Freshwater Ecology (2011 - present).

Continued next page...

2018 APMS Officer and Director Nominee Slate (continued)

Mr. Marc Bellaud - Director

Marc Bellaud, President of SOLitude Lake Management, has 25 years of experience in the aquatics industry. Marc's work has primarily focused on applied aquatic invasive species control programs and related lake management issues. He has authored dozens of lake management plans and feasibility studies and has designed and implemented integrated aquatic plant management programs for lakes and ponds throughout the Northeast.

Marc is a Past-President and Director of the Northeast Aquatic Plant Management Society (NEAPMS) and has been involved with the organization since it was founded. Marc served as a Director of the New York State Aquatic Managers Association (NYSAMA). He is also actively involved with several State organizations focused on lake management issues. He was a contributing author and co-editor for the Third Edition of the BMP Manual produced by the Aquatic Ecosystem Research Foundation (AERF) and is a regular presenter and speaker at numerous industry conferences.

Marc enjoys spending time with his wife, two sons and the family dog. He has always loved to ski, fish, play ice hockey and do just about anything outdoors, but these days most of his free time is dedicated to chauffeuring his boys to their numerous sporting events. Marc is a youth hockey coach and he volunteers with his local Boy Scout troop.



Ms. Amy Ferriter - Director

Amy Ferriter is an environmental professional with more than 25 years of experience in invasive species management. She managed highly-successful invasive species programs for the South Florida Water Management District (1992-2005) and the Idaho State Department of Agriculture (2006-2013). As Idaho's Invasive Species Coordinator, she worked to launch a progressive and comprehensive invasive species prevention program that serves as a model for other western states.

Amy is currently a Territory Manager (2013-present) for Crop Production Services in the Inland Northwest where she works on a variety of aquatic plant management issues. Her bachelor's (Biogeography) and master's (Geographic Information Systems and Remote Sensing) degrees were earned at Florida Atlantic University. Amy's graduate work documented the explosive spread of *Melaleuca quinquenervia* in South Florida in the early 1990s. She is pursuing a PhD in Public Policy and Administration at Boise State University where her work centers on U.S./Cuba policy related to invasive species.

Amy has published over 17 papers in academic journals, co-authored 6 book chapters and produced more than 100 reports for state, federal and international governments. She provides consultation, policy analysis and briefings to state legislatures, provincial leaders and U.S. Congress. Amy has served on the Board of Directors for several state and national organizations and was the Founding Editor of Wildland Weeds magazine (1997). She is the current President of the Western Aquatic Plant Management Society.



Honoring Long-Time Contributions from William T. Haller

Friends and Colleagues gathered at the University of Florida, Center for Aquatic and Invasive Plants on April 18 to celebrate Dr. Bill Haller's 48 years of study and service to aquatic plant management. Dr. Haller has stepped aside as Director of the Center and will be relinquishing his teaching duties after this fall. He is not fully retiring and will stay on at the Center devoting time to his greenhouse and field studies. Bill started with the UF in 1969 as a graduate student, and soon thereafter became interested in hydrilla and water hyacinth management.

Bill conducted much of the original work on hydrilla physiology to understand why it is so invasive and to target weaknesses in its lifecycle to keep it under control in Florida waters. He is still active in developing additional tools and strategies for controlling hydrilla. His research screening chemical compounds ultimately lead to several new EPA herbicide registrations for hydrilla management as well as applications to control other invasive plants. He is recognized as a

state, national, and international authority in evaluating aquatic plant problems, and designing and implementing cost-effective, environmentally sound management programs.



Bill Haller's research and outreach efforts have shaped Florida's approach to aquatic plant management for decades. He has provided insight to regulatory policy makers, environmental advocacy groups, and waterfront property associations; explaining the complex science of invasive plant control in understandable terms. Along the way, Bill introduced hundreds of undergraduate students to Florida waters and invasive plant issues. He has graduated about 50 masters students and 10 PhD candidates.

Bill Haller is also the longest serving member on the Aquatic Plant Management Society Board of Directors, serving as Editor of the Journal of Aquatic Plant Management from 1978 through 1997, and as a Director from 1997-2000.



Upcoming Outreach Events

AQUATIC WEED SCHOOL 2018

September 5-6, 2018

**Bowley Plant Science Teaching Center
UC Davis**

The University of California-Davis will host the 2018 Aquatic Weed School on September 5-6, 2018 at the Bowley Plant Science Teaching Center. The Aquatic Weed School is an intensive two-day course focusing on issues associated with developing weed management strategies in a variety of aquatic ecosystems. The course provides a rare opportunity for professionals to efficiently update their understanding of aquatic weeds and interact with experts in this field. The Aquatic Weed School is designed for those in-

involved in consulting, research, and management of aquatic weed systems throughout the western United States. The topics are presented in lecture, laboratory, and demonstration formats. Each attendee will receive a course notebook with lecture summaries and related materials. CEUs for California pesticide certification will be available. Registration is already open, and more information and the agenda are available on the webpage at: http://wric.ucdavis.edu/events/aquatic_weed_school_2018.htm

EPA First-Hand Tour of Aquatic Plant Management Control Sites

On June 4-8, 2018 the Aquatic Ecosystem Restoration Foundation (AERF) will lead a tour of aquatic and wetland systems in Florida to provide insight for pesticide regulatory personnel at the U.S. Department of Environmental Protection (EPA) into conditions faced by aquatic plant and mosquito control managers when applying EPA-registered pesticides. Attendees will visit natural and highly managed areas, observe pesticide applications, and speak directly with managers and field personnel. Especially important is conveying unintended consequences that may result when pesticide label language that is pertinent to large-scale crop management is written to include small-scale, preemptive, or preventive measures in aquatic plant and mosquito control.

The 5-day tour will start with classroom presentations on aquatic plant problems, available tools, and strategies employed by various entities involved with aquatic plant management. The rest of the week will include field trips and first-hand discussions with plant, mosquito, and flood control managers along with aquatic-registered herbicide applicators. Aerial tours will provide an overview of the magnitude of the resources and the scale of the problems. Airboat excursions will view floating plant maintenance control and large-scale submersed plant applications in several different venues. This will give EPA personnel a sense of the complexities of aquatic plant management and the need for multiple herbicide modes of action to address different management scenarios.

Florida and TVA Plant Camps 2018

APMS continues to be a supporter of Florida and TVA Plant Camps to provide teachers and learning center instructors first-hand experience with the benefits of native aquatic plants and issues associated with invasive plants and their management. [Florida Plant Camp](#) (June 11-15), is in its 13th year, reaching more than

325 instructors and over 200,000 students. TVA Plant Camp will be held September 11-14, 2018. This is the 4th TVA Plant Camp, providing nearly 100 educators in the states surrounding the TVA waterways with educational experience, curricula, and materials about aquatic plant management.

Washington Report—Lee Van Wychen, APMS Science Policy Director

FY 2018 Omnibus Appropriations Enacted March 23

The federal government was operating under a Continuing Resolution for appropriations from Oct. 1, 2017 to Mar. 23, 2018, when the FY 2018 Omnibus appropriations bill was signed into law. The omnibus was good overall for aquatic plant management programs as Congress rejected the Administration's proposed cuts for many programs. The Aquatic Plant Control program in the Army Corp of Engineers construction account was appropriated \$5 million in FY 2018, a \$1 million increase over FY 2017, plus an additional \$1 million was designated for flowering rush control. The Great Lakes Restoration Initiative and the National Sea Grant Program received \$300 million and \$65 million, respectively, which is at or just above 2017 levels.

Within USDA, agricultural research programs, including the Agricultural Research Service (ARS) and the National Institute of Food and Agriculture (NIFA), received \$3.03 billion, an increase of \$138 million over FY 2017. Congress also rejected the Administration's proposal to close 17 ARS locations in FY 2018.

FY 2019 Appropriations Process Underway

As previously reported, the Administration proposed many of the same cuts in their FY 2019 budget proposal released in February as it did in their FY 2018 budget proposal. The House and Senate Appropriations Committee have begun consideration of the individual FY 2019 spending bills in May. Below is a summary of key aquatic plant management appropriations:

Program	2016 Final	2017 Final	2018 Final	2019 President	2019 House	2019 Senate
	----- Millions of Dollars -----					
ACOE- Aquatic Plant Control Program	4	4	5	0	0	5
ACOE- Flowering rush control	n/a	n/a	1	0	0	1
EPA-Great Lakes Restoration Initiative (GLRI)	300	300	300	30	300	TBD
NOAA- National Sea Grant Program	64	63	65	0	68.5	TBD

PRIA Authorization Extended to Sept. 30 in Omnibus

The FY 2018 Omnibus spending bill temporarily extended the authorization for the Pesticide Registration Improvement Act (PRIA) to Sep. 30, 2018. PRIA sets a fee schedule for registrants (~\$46 million in FY 2017) in exchange for specified time frames for regulatory decisions on low risk products and increased funds for pesticide education and training. PRIA reauthorization was easily expected in 2017, but environmental groups have used it to protest other unrelated regulatory decisions by EPA. The registrant fees provided under PRIA support approximately 200 positions in the EPA Office of Pesticide Programs, which is just over one-third of their workforce.

House Votes Down 2018 Farm Bill Proposal

On May 18, the House voted down the [Agriculture and Nutrition Act of 2018](#) (H.R.2) on a 198-213 vote. One of the main sticking points was the objection to a change in the SNAP program that would require work-capable adults to either find employment or receive free training for 20 hours per week. That aside, the bill has many positives for both regulatory reform and research affecting weed science. Key regulatory reforms include:

- A legislative fix for the duplicative National Pollutant Discharge Elimination System (NPDES) permitting requirement
- Reauthorization of the Pesticide Registration Improvement Act (PRIA) through FY 2020

Washington Report (continued from page 11)

- FIFRA revisions to improve the Endangered Species Act (ESA) consultation process under which pesticides are reviewed for potential impacts to threatened and endangered species
- An amendment to repeal the 2015 Waters of the United States (WOTUS) rule that was adopted by a 238-173 vote

On the agricultural research front, the bill re-established a research equipment grants program authorized at \$5 million per year, increases indirect costs for agriculture research, extension and education from 22 percent to 30 percent, and removes the AFRI matching requirement for competitive grants within NIFA. The House Ag Committee bill did not re-authorize the Foundation for Food and Agriculture Research (FFAR) which was established in the 2014 Farm Bill. However, there is strong support for FFAR on the Senate side.

The Senate Ag Committee is expected to take up their version of the 2018 Farm Bill on June 6. Meanwhile, the House will revote on their version of the Farm Bill on June 22, after voting on some immigration measures.

WRDA Bills Move Through House and Senate Committees

Both the Senate Committee on Environment & Public Works (EPW) and the House Committee on Transportation & Infrastructure (T&I) held mark-up hearings just before Memorial Day for their respective Water Resources Development Acts (WRDA) of 2018. WRDA bills authorize funding and projects for the Army Corps of Engineers (ACOE) Civil Works programs and are passed on a biennial cycle. Please remember that authorizing and appropriating are two entirely different processes.

The House version of WRDA (H.R. 8) does not change any of the existing legislative authority that authorizes up to \$20 million annually for the ACOE Aquatic Plant Control Program and up to \$20 million for watercraft inspection stations on the Columbia River Basin. The current legislative authority is at: <https://www.law.cornell.edu/uscode/text/33/610>.

The Senate version of WRDA (S. 2800) also keeps the existing \$20 million annual authorization for the Aquatic Plant Control Program, but increases the authorized funding for the Columbia River Basin watercraft inspection stations from \$20 million to \$30 million. In addition, the Senate EPW added a second set of watercraft inspection stations for the "Upper Missouri River Basin" and also authorized \$30 million in additional funding for them. Both bills are expected to easily pass their respective chambers and the differences will have to be worked out in a conference agreement between the House and Senate before the 2018 WRDA is enacted.

WSSA, ESA, APLU Highlight Benefits of Federal Funding for Areawide IPM Programs

On May 10, I participated in a luncheon briefing on Capitol Hill titled "*Protecting American Coffee, Wine, and Baseball Bats through Areawide Integrated Pest Management (AIPM)*". The event was sponsored and organized by the Entomological Society of America (ESA), WSSA and the Association of Public and Land-grant Universities (APLU). The briefing discussed how AIPM can be deployed to save money and resources while managing pests across a range of ecosystems. During the briefing, I discussed the **Delta Region Areawide Aquatic Weed Project** (<http://ucanr.edu/sites/DRAAWP>) that Dr. John Madsen is involved with. I also highlighted some successes of the "TAME Melaleuca" (<http://tame.ifas.ufl.edu>) and the "TEAM Leafy Spurge" (www.team.ars.usda.gov) AIPM projects.

Introductory remarks were given by Rep. Ted Yoho (R-FL), a veterinarian and House Ag Committee member, who is a co-sponsor of H.R. 5411, the AIPM Act of 2018. Another Congressional champion of H.R. 5411 is Tulsi Gabbard (D-HI) who would have also offered introductory remarks, but had to be in Hawaii for the Kilauea vol-

Washington Report (continued from page 12)

cano response activities. While we'd like to see H.R. 5411 become law, our overall goal is to expand federal funding for AIPM projects in both USDA-ARS and USDA-NIFA.

Shanower will be NIFA's Acting Director

USDA's National Institute of Food and Agriculture (NIFA) was created by the 2008 Farm Bill to replace the Cooperative State Research, Education and Extension Service. As part of that legislation, the Director for NIFA is appointed by the President for a 6-year term, which is unique to the Agency. Dr. Sonny Ramaswamy was the first NIFA Director to serve the full 6-year term. His term ended on May 4, 2018. In the interim, Dr. Thomas Shanower will serve as NIFA's Acting Director. He is an entomologist with USDA-ARS and was the Associate Area Director for the Pacific West Area. More details [HERE](#).

USDA NIFA Web-links:

[2017 Annual Report](#) -recently released

[NIFA's Data Gateway](#) -includes funding by Congressional District

[Request for Application \(RFA\) Schedule](#) -updated biweekly

[Agriculture and Food Research Initiative \(AFRI\) Funded Projects Webpage](#) - now arranged by state, with the three most recent fiscal years awarded (2015-2017) listed.

[Peer Review Process for NIFA Competitive Grant Applications](#)

Andrew Wheeler Confirmed as No. 2 Official at EPA



The Senate confirmed Andrew Wheeler as EPA Deputy Administrator on April 12 by a 53 – 45 vote. Wheeler is a native of Ohio and received a BA in English and in Biology from Case Western Reserve University, a JD from Washington University in St. Louis School of Law, and an MBA from George Mason University School of Management. His first job was with EPA between 1991-1995 working on toxic chemical and pollution prevention issues. He is a long time Senate staffer having worked for Sen. George Voinovich (R-OH), Sen. Jim Inhofe (R-OK), and the Senate Environment and Public Works Committee. Wheeler most recently served as Senior VP for Faegre Baker Daniels Consulting, a national advisory and advocacy firm dealing with energy and natural resources practice.

Many Federal Agency Leadership Positions Still Vacant

Over 16 months into the Trump Administration, many federal agency leadership positions remain unfilled for a variety of reasons. Of the 662 key positions requiring Senate confirmation, 329 have been confirmed by the Senate as of May 29. Approximately half of the key leadership positions at USDA, DOI and EPA have Senate confirmed appointments. For a detailed breakdown by agency, please click [HERE](#).

Regulatory Barriers Hinder Ag Biotech by Small Businesses and Universities

Despite foundational contributions requiring considerable public resource commitments for genetically engineered (GE) crop innovation and development, a **new CAST issue paper** documents how universities and small private entities have been almost entirely excluded from the ag biotech market. A main conclusion is that the current “process-based” U.S. biotech regulatory system is a scientifically unjustifiable barrier to agricultural innovation.

This [CAST Issue Paper \(IP59\)](#) and its [companion Ag quickCAST](#) are available online at the [CAST website](#), along with other CAST scientific publications. CAST Issue Papers, Commentaries, and Ag quickCASTs are FREE.

Washington Report (continued from page 13)

WSSA Holds Research Workshop for Managing Dicamba Off-Target Movement

The Weed Science Society of America (WSSA) sponsored a research workshop for managing dicamba off-target movement on April 16 -17, 2018 in Arlington, VA. WSSA invited a select group of weed scientists, agricultural chemical application specialists, representatives of state agrichemical organizations and regulatory agencies, dicamba registrants, and the EPA to discuss technical issues related to the off-target movement of dicamba that occurred in 2017 and to identify potential research objectives for 2018. Over 30 different areas of concern and research questions were raised and discussed during the workshop and prioritized by workshop participants. Some of the top ranked issues included: 1) creating uniform herbicide labels to help applicators find label information more easily; 2) research to better understand plant exposure response to dicamba aerosols versus dicamba vapor; 3) establishing residue tolerances for horticultural crops; and 4) defining what “neighboring distance” is. A report of the research workshop proceedings is being drafted and will be available soon.

Updated State Noxious Weed Seed Listings for States

The USDA Agricultural Marketing Service (AMS) enforces interstate commerce provisions of the [Federal Seed Act \(FSA\)](#) and provides seed testing service under the Agricultural Marketing Act. The FSA regulates the interstate shipment of agricultural and vegetable seeds. The FSA requires that seed shipped in interstate commerce be labeled with information that allows seed buyers to make informed choices. Seed labeling information and advertisements pertaining to the seed must be truthful. The FSA helps promote uniformity among State laws and fair competition within the seed trade.

USDA AMS recently updated the list of prohibited and restricted noxious weed seeds for each state. The list can be accessed at: <https://www.ams.usda.gov/sites/default/files/media/StateNoxiousWeedsSeedList.pdf>

2018 Survey of the Most Common and Troublesome Weeds

If you have not done so yet, please take a few minutes to share your expertise on the five most common and troublesome weeds in the following areas in your state:

- 1) Aquatic: irrigation & flood control
- 2) Aquatic: lakes, rivers, reservoirs
- 3) Aquatic: ponds
- 4) Forestry
- 5) Natural Areas: parks, wildlife refuges
- 6) Ornamentals: field nursery crops, outdoor containers, Christmas trees
- 7) Right-of-Ways: railways, roads, public utilities.

Survey link: <https://www.surveymonkey.com/r/2018weedsurvey>

Lee Van Wychen, Ph.D.

Science Policy Director

National and Regional Weed Science Societies

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APMS Sustaining Membership

The Aquatic Plant Management Society is grateful for our Sustaining Members whose generous annual contributions sponsor our most important core values, especially education and outreach initiatives. Sustaining Membership costs \$500 and includes all membership privileges for one designated representative; subscription to the [*Journal of Aquatic Plant Management*](#), [APMS Newsletters](#), and access to social media content; quarterly issues of

[Aquatics](#) magazine; recognition as a [Sustaining Member](#) in Newsletters, the Annual Meeting Program, and on the APMS website. Please read about APMS Sustaining Members and learn more about them by visiting their websites.

Please join APMS as a Sustaining Member at apms.org/society/membership/

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- SePRO Corporation
- SOLitude Lake Management
- Sox Erosion Solutions
- Syngenta
- UPI
- Vertex Water Features

APMS Chapter and Related Meetings

Date	Meeting	Location
2018		
July 15-18	Aquatic Plant Management Society	Buffalo, New York
August 19-23	American Fisheries Society	Atlantic City, New Jersey
October 3-5	South Carolina Aquatic Plant Management Society	N. Myrtle Beach, South Carolina
October 15-18	Florida Aquatic Plant Management Society	Daytona Beach, Florida
November 5-8	MidSouth Aquatic Plant Management Society	Chattanooga, Tennessee
Oct 30-Nov 2	North American Lake Management Society	Cincinnati, Ohio
November 26-28	Texas Aquatic Plant Management Society	San Antonio, Texas
2019		
January 8-10	Northeast Aquatic Plant Management Society	Albany, New York
February 11-14	Weed Science Society of America	New Orleans, Louisiana
February 25-28	Midwest Aquatic Plant Management Society	Chicago, Illinois
July 14-17	Western APMS + APMS Joint Annual Meeting	San Diego, California

2017-2018 Officers, Directors, Committee Chairs, and Special Representatives

<u>Office</u>	<u>Name</u>	<u>Affiliation</u>
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Director	Amy Kay	Clean Lakes Midwest, Inc.
Student Director	Andrew Howell	North Carolina State University
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Bylaws and Resolutions	Vernon Vandiver	University of Florida - Retired
Education and Outreach	Jeff Schardt	Florida FWC- Retired
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Finance	John Gardner	Vertex Water Features
Legislative	Rob Richardson	North Carolina State University
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Strategic Planning	Tom Warmuth	BioSafe Systems, Inc.
Student Affairs	Mark Heilman	SePRO Corporation
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	TBA	
<u>Special Representative</u>	<u>Name</u>	<u>Affiliation</u>
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BASS Representative	Gerald Adrian	UPI
CAST Representative	Joe Vassios	UPI
NALMS Representative	Terry McNabb	AquaTechnex, LLC
RISE Representative	Sam Barrick	SePRO Corporation
Women of Aquatics	Amy Kay	Clean Lakes Midwest, Inc.
WSSA Representative	Rob Richardson	North Carolina State University
Director of Science Policy	Lee Van Wychen	WSSA



The Aquatic Plant Management Society, Inc.

The Aquatic Plant Management Society, Inc. is an international organization of scientists, educators, students, commercial pesticide applicators, administrators, and concerned individuals interested in the management and study of aquatic plants. The membership reflects a diversity of federal, state, and local agencies, universities and colleges around the world, corporations, and small businesses.

Vision

The Vision of the Aquatic Plant Management Society is to be the leading international organization for scientific information on aquatic plant and algae management.

Mission

The Mission of the Aquatic Plant Management Society is to provide a forum for the discovery and dissemination of scientific information that advances aquatic plant and algae management policy and practice.

Join APMS and Renew Membership

Follow the link below to join the Aquatic Plant Management Society

<http://www.apms.org/society/membership/>

Members can renew membership for 2018 at the following link:

www.apms.org/member-page/renew-membership/

We're on the Web!
apms.org