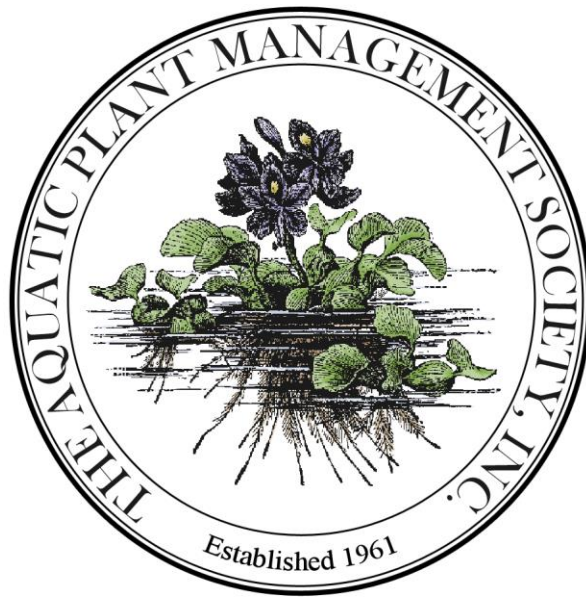


# **The Aquatic Plant Management Society**



**Board Meeting  
Hyatt Regency  
Buffalo, NY  
July 15, 2018**

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**July 15, 2018**

**Buffalo, NY**

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**The Aquatic Plant Management Society, Inc.**  
**7922 NW 71<sup>st</sup> Street**  
**Gainesville, FL 32653**  
**[www.apms.org](http://www.apms.org)**

**2017 - 2018 Board of Directors**

**Officers**

**President**

Dr. John Rodgers  
Clemson University

**President Elect**

Mr. Craig Aguillard  
Winfield United

**Vice President**

Dr. Mark Heilman  
SePRO Corporation

**Immediate Past President**

Dr. John Madsen  
USDA - ARS

**Treasurer**

Mr. Jeremy Slade (1/3)  
UPI

**Secretary**

Mr. Jeffrey Schardt (2/3)

**Editor**

Dr. Jason Ferrell (2/3)  
University of Florida

**Directors**

Dr. Brett Hartis (3/3)  
Tennessee Valley Authority

Dr. Ryan Thum (3/3)  
Montana State University

Dr. Scott Nissen (2/3)  
Colorado State University

Mr. Todd Olson (2/3)  
Aquatic Vegetation Control, Inc.

Dr. Deborah Hofstra (1/3)  
National Institute of Water  
and Atmospheric Research

Ms. Amy Kay (1/3)  
Clean Lakes

**Student Director**

Mr. Andrew Howell  
North Carolina State University

## 2017 - 2018 Committee Chairs and Special Representatives

<u>Committee</u>	<u>Chair</u>	<u>Special Representative</u>	
Awards	Jay Ferrell	AERF	Carlton Layne
Bylaws and Resolutions	Vernon Vandiver	BASS	Gerald Adrian
Education and Outreach	Jeff Schardt	CAST	Joe Vassios
Exhibits	Dean Jones	NALMS	Terry McNabb
Finance	John Gardner	RISE	Sam Barrick
Legislative	Rob Richardson	Women of Aquatics	Amy Kay
Meeting Planning	Tommy Bowen	WSSA	Rob Richardson
Membership	Mark Heilman	Science Policy Director	Lee Van Wyche
Nominating	John Madsen		
Past President's Advisory	John Madsen		
Program	Craig Aguillard		
Proposal Review	John Madsen		
Publications	Jay Ferrell		
Regional Chapters	Mark Heilman		
Scholastic Endowment	Tom Warmuth		
Strategic Planning	Mark Heilman		
Student Affairs	Chris Mudge		
Web Site	Karen Brown		

## **AGENDA**

**Aquatic Plant Management Society, Inc.  
Board of Directors Meeting  
Executive Board Room - Hyatt Regency Hotel  
Buffalo, NY  
July 15, 2018**

*~ Continental breakfast provided ~ 7:30 am*

8:00 am	Call to Order
10:00 am	Morning Break
12:00 pm	Lunch - Board Room
12:45 pm	Reconvene Board Meeting
2:45 pm	Afternoon Break
4:00 pm	Adjourn

**8:00 am CALL TO ORDER** - President John Rodgers

**ROLL CALL** - Secretary Jeff Schardt  
Seating of Proxies  
Recognition of Visitors

**MINUTES** - Approval of Minutes from the January 16, 2018 Board of Directors meeting held at the Ritz Carlton Hotel, New Orleans, Louisiana

**REPORT OF THE PRESIDENT** - John Rodgers

**REPORT OF THE TREASURER** - Jeremy Slade

**REPORT OF THE SECRETARY** - Jeff Schardt

**REPORT OF THE EDITOR** - Jay Ferrell

*Approval of Officer Reports*

### **COMMITTEE REPORTS**

Awards - Jay Ferrell  
Bylaws and Resolutions - Vernon Vandiver  
Education and Outreach - Jeff Schardt  
Exhibits - Dean Jones  
Finance - John Gardner  
Legislative - Rob Richardson  
Meeting Planning - Tommy Bowen  
Membership - Mark Heilman

Nominating - John Madsen  
Past President's Advisory - John Madsen  
Program - Craig Aguillard  
Proposal Review - John Madsen  
    TVA Plant Camp sponsorship  
    BASS Conservation Summit Banquet sponsorship (See BASS Report for proposal)  
    High School Bass Coaches' Symposium (See BASS Report for proposal)  
Publications - Jay Ferrell  
Regional Chapters - Mark Heilman  
Scholastic Endowment - Tom Warmuth  
Strategic Planning - Mark Heilman  
Student Affairs - Chris Mudge  
Web Site - TBA

## **SPECIAL REPRESENTATIVE REPORTS**

AERF - Carlton Layne  
BASS - Gerald Adrian  
CAST - Joe Vassios  
NALMS - Terry McNabb  
RISE - Sam Barrick  
Women of Aquatics - Amy Kay  
WSSA - Rob Richardson  
Science Policy Director - Lee Van Wychen

*Approval of Committee and Special Representative Reports*

## **OLD BUSINESS**

### **NEW BUSINESS**

2018 Graduate Student Research Grant award – Mark Heilman

**ADJOURN** - President John Rodgers

# **THE AQUATIC PLANT MANAGEMENT SOCIETY, INCORPORATED**

## **Minutes of the Board of Directors Meeting January 16, 2018 Ritz Carlton Hotel New Orleans, Louisiana**

The Board of Directors of the Aquatic Plant Management Society, Inc., met on Tuesday, January 16, 2018 at the Ritz Carlton Hotel, New Orleans, Louisiana. President John Rodgers called the meeting to order at 8:00 a.m. CDT.

Officers and Directors present at roll call were:

John Rodgers, President  
Craig Aguillard, President Elect  
Mark Heilman, Vice President  
John Madsen, Immediate Past President  
Jeremy Slade, Treasurer  
Jeffrey Schardt, Secretary  
Jason Ferrell, Editor\*  
Brett Hartis, Director  
Ryan Thum, Director\*  
Scott Nissen, Director  
Todd Olson, Director  
Deborah Hofstra, Director\*  
Amy Kay, Director  
Andrew Howell, Student Director\*

\*Directors Hofstra and Howell and Legislative Committee Chair Rob Richardson participated via teleconference from Hamilton, NZ. Editor Ferrell and Director Thum participated via teleconference from Gainesville, FL and Bozeman, MT, respectively.

Others in attendance during all or portions of the meeting:

Tommy Bowen, Meeting Planning Committee Chair  
Chris Mudge, Student Affairs Committee Chair  
Rob Richardson, Legislative Committee Chair\*  
Bradley Sartain, 2016 Graduate Student Research Grant participant  
Vernon Vandiver, Bylaws Committee Chair

After Roll Call, President Rodgers asked for approval of the three sets of Minutes from the July 2017 pre- and post- conference Board Meetings and the Annual Business Meeting held in Daytona Beach, Florida.

***John Madsen motioned the Board to approve the Minutes from the pre- and post- conference Board Meetings and the Annual Business Meeting held during July 2017 in Daytona Beach, Florida. Brett Hartis seconded the motion. The motion passed without dissenting vote.***

## **PRESIDENT'S REPORT**

President Rodgers reported that he has attended several Chapter meetings. He also participated in drafting an information sheet for Congress from WSSA regarding harmful algae blooms.

## **TREASURER'S REPORT**

Treasurer Jeremy Slade presented information on APMS financial accounts as of December 31, 2017 listed below:

### **General and Scholastic Accounts**

#### **General Accounts**

Checking (general ops)	\$51,289.80
Investment (emergency)	\$248,026.90 (incl. \$120,000 emergency fund)
Total General Accounts	\$299,316.70

#### **Scholastic Accounts**

Checking (discretionary)	\$57,855.08
Investment (disc. subaccount)	\$138,200.32
Total Scholastic Accounts	\$196,055.40

**Total General and Scholastic Accounts**      **\$495,372.10**

There was discussion that after expenses, the 2017 Annual Meeting generated a net income of about \$40,000. This is mostly due to a jump in the Sponsorship and Exhibitor contributions from approximately \$42,000 in previous years to ~\$75,000 in 2017. This is likely an artifact of Annual Meeting location in Daytona Beach.

Slade projected a negative income for 2018 of more than -\$25,000. Sponsorship and Exhibitor participation at the 2018 Annual Meeting in Buffalo are expected to reflect the lower income levels reported prior to the 2017 Annual Meeting. Editor Ferrell questioned why APMS is continuing to show a negative income. Slade responded that annual dues have increased in recent years and the Society now pays Secretary and Editor stipends that did not exist several years ago.

The largest expense toward the projected budget deficit is the Graduate Student Research Grant (GSRG). APMS awarded a \$40,000 GSRG in 2015 (\$20,000 to be paid in each of 2016 and 2017). This GSRG was funded solely by APMS in response to discussion by some that APMS was carrying too much funding in overall financial accounts. APMS decided that exclusively sponsoring a GSRG outside the even number year award cycle would lower the overall account balance, quelling criticism of carrying high account balances while providing a meaningful service to the membership with APMS member-relevant research.

## **SECRETARY'S REPORT**

Secretary Schardt reported that Minutes from Board and Annual Business Meetings from 2001-2017 are posted on the APMS web site. All motions related to APMS funding commitments



from 2009-2017 are posted as well to provide the Board and APMS membership with a quick reference to APMS expenditures through the years.

APMS has 25 Sustaining Members as of January 1, 2018. Half of all \$500 Sustaining Membership dues are deposited in the Scholastic Endowment Account. Schardt provided a time breakdown related to Secretary duties. Schardt recorded working about 454 hours on Secretary duties in 2017 – about 22% of a FTE.

## **EDITOR'S REPORT**

Editor Jay Ferrell advised that the January 2018 Journal is printed and shipped along with the Research Methods Manual. Ferrell thanked authors, reviewers and sponsors for the Manual. The Journal submissions are about 35 per year with an approximate 64% approval rate. This reflects the high quality of submissions. Ferrell indicated the number of submissions generates about 10-12 articles per Journal issue. He would like to see the number of quality submissions increase. Associate Editors continue to expedite reviews to get articles into print as soon as possible. This increases content relevance for managers as well as encourages authors to submit articles to the Journal to get them quickly into print.

Ferrell continues to explore new publishers for the Journal. Cambridge and Taylor and Francis were not interested in including the Journal of Aquatic Plant Management in their portfolios. Ferrell has contacted Sheridan Press; a publisher similar to Allen Press, the Society's current publisher. Therefore, there does not seem to be any advantage to APMS to switch publishers at this time.

Ferrell concluded with discussion on the Research Methods Manual. He will take copies to the International Symposium on Aquatic Plants in New Zealand to promote the publication. Ferrell advised that he will generate an article advertising the Manual in the APMS and WSSA Newsletters and web sites. He suggested a \$35 per copy fee to be paid online through the APMS web site or via a check sent to the Treasurer. Ferrell or Slade will mail the copies after payments are received.

*Mark Heilman motioned the Board to accept the Officer Reports. Craig Aguiard seconded the motion. The motion passed without dissenting vote.*

## **COMMITTEE AND SPECIAL REPRESENTATIVE REPORTS**

**Awards:** Chair Jay Ferrell is soliciting nominations for awards to present at the 2018 Annual Meeting.

**Bylaws and Resolutions Committee:** Chair Vernon Vandiver reported that the Committee developed language to address changes to the Scholastic Endowment language in the Bylaws, Article XVI. The proposed new wording, to reflect the intent of the APMS Finance Committee along with a few administrative revisions offered by the Board is shown below:

## **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.***

***Mark Heilman motioned the Board to approve the language amending Article XVI. SCHOLASTIC ENDOWMENT as revised. Todd Olson seconded the motion. The motion passed without dissenting vote.***

**Education and Outreach Committee:** Chair Jeff Schardt presented the new APMS trade show display. The information was updated with new text and photos to two retractable banners. The cost to update and for the two banners and carrying case is \$770. Schardt informed that the APMS PowerPoint presentation is updated and on the web site for downloading and revising for various audiences.

Florida Plant Camp will be held again at the UF in Gainesville FL on June 11-15, 2018. The UF will also work with AERF and APMS members to lead fields trips in FL, and possibly MI, for EPA Pesticide Registration personnel. EPA staff may have little to no experience with how products are applied once registered, or how label requirements may have unintended limitations on product use. This field trip provides classroom lectures and opportunities for EPA staff to see first-hand aquatic plant management and mosquito control operations.

Brett Hartis reviewed 2017 TVA Plant Camp activities. Twenty-four teachers were selected from 100 applicants. Because of the value and increasing success of this program, TVA has decided to triple the Plant Camp budget for 2018. TVA Plant Camp 2018 will be extended to five days and will be held at Guntersville Reservoir, inviting teachers from all seven states in the TVA region.

***Jeff Schardt motioned the Board to provide \$1,000 for Florida Plant Camp 2018. Todd Olson seconded the motion. The motion passed without dissenting vote.***

**Exhibits Committee:** Director Todd Olson gave the report prepared by Chair Dean Jones. Jones provided Exhibitor and Sponsor stats from the 2017 Annual Meeting. There were 31 Exhibitors generating \$17,600, in addition to 18 Sponsors that collectively contributed \$69,890. This included two Platinum Sponsors (Lake and Wetland Management, Inc. and UPI) and four Gold

Sponsors (Lonza, Nufarm Americas, SePRO and Syngenta). Most of these sponsors took advantage of the opportunity to provide short presentations. There were no reports of negative comments regarding the short presentations by Sponsors during the Program. There were also two Silver Sponsors, two Bronze Sponsors and eight Contributors.

**Finance Committee:** Treasurer Jeremy Slade presented for Chair John Gardner. Most of the information was provided in the Treasurer Report.

**Legislative Committee:** Chair Rob Richardson deferred most of his presentation to the Science Policy Report from Lee VanWychen later in these Minutes.

**Meeting Planning Committee:** Chair Tommy Bowen advised that the Ritz Carlton New Orleans is one of the hotels the Meeting Planning Committee is looking at for the 2021 Annual Meeting. Bill Torres put together a brief PowerPoint presentation for the Hyatt Buffalo, site of the 2018 Annual Meeting.

Bowen recommended that since attendance has been consistently low for the Annual Meeting Guest Tour for several years, that we not offer the tour in 2018. Bowen will provide a link to activities in the Buffalo area for non-delegates to arrange their own tours. There are about 20 restaurants in walking distance from the Hyatt and a trolley system that connects to downtown. Bowen also advised that there will not be a duck race fund raiser at the 2018 Annual Meeting.

Bowen projects that attendance at the 2018 Annual Meeting in Buffalo will be similar to Grand Rapids. One hundred seventy delegates registered for that meeting. There were 217 registered in Daytona Beach in 2017. He also projected that Sponsorship and Exhibitors to be like Grand Rapids. Consequently, he estimated a net income of approximately \$22,000 for the 2018 Buffalo Annual Meeting – a little more than half of 2017 Daytona Beach net income.

The Meeting Planning Committee looked at about 22 venues in 13 cities and 5 states for the 2021 Annual Meeting in the MidSouth Region. The best sites for the preferred APMS meeting dates and budget are in Little Rock, Arkansas, Louisville, Kentucky, and New Orleans, Louisiana. Jeremy Slade noted that Louisville is outside the boundaries of the MidSouth Region. Jay Ferrell noted that flights into Little Rock are very expensive. Craig Aguillard noted that there is only one APMS member from Arkansas. John Madsen suggested replacing Louisville with Memphis for the list of cities to do site visits. Memphis and New Orleans are easy and less expensive to fly in/out.

***Tommy Bowen motioned the Board to approve travel expenses for Bill Torres to inspect hotel sites in New Orleans, Memphis, and Little Rock for the 2021 APMS Annual Meeting. Jeremy Slade seconded the motion. The motion passed without dissenting vote.***

**Membership Committee:** Chair Mark Heilman reported on Strategic Plan Goal 3 – Membership Growth. Heilman suggested aligning Regional Chapter as well as NALMS Membership lists with that of APMS and reach out to members that are not APMS members to participate in APMS activities. He also suggested updating the APMS Membership Brochure. Heilman will

work with northeast states to forward Program info in time to develop CEUs for the 2018 Annual Meeting.

**Nominating Committee:** Chair John Madsen presented a Slate of Nominees for Board acknowledgement. Bios have been provided by Nominees and will be printed in the June Newsletter, more than 30 days prior to the July 2018 Annual Business Meeting at which time the general membership will vote to approve or amend.

*John Madsen motioned the Board to approve the Nominating Committee's Officer / Director slate (below) to be voted on by the Membership at the 2018 Annual Business Meeting. Jeff Schardt seconded the motion. The motion passed without dissenting vote.*

Position	Nominee	Affiliation	Home Town
Vice President	Ryan Wersal	Lonza	Alpharetta, GA
Director	Marc Bellaud	SOLitude Lake Management	Sutton, MA
Director	Amy Ferriter	Crop Production Services	Boise, ID

**Past President's Advisory Committee:** Chair John Madsen advised that he has sent the Operating Manual to Past Presidents for comments. A subject Madsen wants to clarify in the Operating Manual is to create procedures for how people request funds from the Society and how requests are processed.

**Program Committee:** Chair Craig Aguillard provided an update on the Program framework. After receiving many comments, Aguillard decided to keep the Program calendar similar to previous years - ending on Wednesday at noon with the Awards Banquet on Tuesday evening. He will focus on the Corps of Engineers as a keynote or opening presentation, especially on activities in the northeast.

**Proposal Review Committee:** Chair John Madsen discussed three proposals reviewed by the Committee since the July Board Meetings. A proposal to support 2018 Plant Camp had already been approved during the Education and Outreach Committee Report. The other two are presented below.

*John Madsen motioned the Board that APMS will co-sponsor the BASS Conservation Grant for 2017 at the \$1,500 level per year, for a total of \$1,500. Mark Heilman seconded the motion. The motion passed without dissenting vote.*

*John Madsen motioned the Board that APMS will co-sponsor the BASS Conservation Summit Luncheon for \$1,500 at the Bassmaster Classic in 2018. Mark Heilman seconded the motion. The motion passed without dissenting vote.*

There was discussion on the second Motion that Brett Hartis would present information on aquatic plant management at the Conservation Summit Luncheon.

**Publications Committee.** Information was covered in the Editor's Report.

**Regional Chapters Committee:** Chair Mark Heilman will reach out to Regions to ask what services APMS can address or provide to the Chapters. John Rodgers related from the Chapters that APMS provide as much lead time as possible when petitioning the Chapters to fund APMS projects.

Deborah Hofstra reiterated her letter to APMS that the group organizing an Australia/New Zealand APMS Chapter concluded that such a Chapter would not work logistically due to travel concerns. The group suggested that people become APMS members to participate in the Society.

**Scholastic Endowment Committee:** No report.

**Strategic Planning Committee:** Chair Mark Heilman began with discussion on Strategic Plan Goal 1. All action steps have been accomplished or are planned to complete this year. There was considerable discussion on awarding the Graduate Student Research Grant in 2018. Slade advised that Scholastic Endowment funds are low at this time. Madsen provided that the GSRG has been offered on even number years since 1996. To stay on schedule, the even number year GSRG shared with the Regional Chapters should be awarded in 2018 (and paid in 2019 and 2020). While the GSRG is for \$20,000/year, APMS funds ~\$7,000 of the total per year with the Chapters historically providing the balance. Schardt pointed out that after considering 2018 annual income and expenses are met, and the Emergency account remains fully funded at \$120,000, there are sufficient funds to offer the 2018 GSRG. The decision on the 2018 GSRG was tabled until New Business.

Todd Olson and Brett Hartis gave an update on Membership recruitment and retention as part of Strategic Plan Goal 4. Andrew Howell discussed a Student Spotlight page on the web site where students would post updates on research or activities. A Facebook page was also suggested as was a periodic summary of Journal articles posted in social media. Brett Hartis has posted information on the APMS blog and advised that posting on social media requires concentrated time. If we do not make frequent / daily posts, the site becomes irrelevant. Consequently, he suggested focusing on only one platform. He also advised that a “permanent”, dedicated person likely would be required to keep up with social media.

Madsen suggested a table or board at the annual meeting for students to post a short resume for company representatives to review, or for companies to post job openings. This could also be posted on LinkedIn.

**Student Affairs Committee:** Chair Chris Mudge provided feedback from students after the 2017 Annual Meeting. Students requested a return of the Student Meet-and-Greet event to get acquainted prior to the meeting. There was discussion about a small room set aside for an hour just for students and just prior to the Presidents’ Reception; perhaps with light snacks and beverages. This would be in addition to the Student Luncheon which is geared more toward speakers discussing career opportunities with the students.

There was also discussion on identifying students with a ribbon on their name tags and asking members to seek out students to discuss aquatics related issues. A job board, and some sort mentorship arrangement was discussed. The Board considered limiting participation for students who

win the Student Presentation Competition in oral or poster category. For example, if a student placed first in the oral competition, they would not be eligible the next year for the oral competition but would be eligible for poster. Others offered that why penalize good students for being good by limiting participation in future years if they place first in the competition. Students benefit in other ways at the meeting besides the prize money associated with the Presentation Competitions.

Bradley Sartain provided an update on the GSRG awarded to LSU in 2016 - *Exploring Alternative Giant Salvinia (Salvinia molesta D.S. Mitchell) Management Strategies*.

**Website Committee:** There was no written report. Schardt gave an update on reorganizing the Members Only and Archives portion of the web site. Slade advised that APEX will be increasing quarterly web site maintenance costs by \$125. This was addressed in the Treasurer Report.

**AERF:** Representative Carlton Layne reported that Rob Richardson has been appointed as Aquatic Subject Matter Expert to work with EPA on aquatic plant management issues, registration and Endangered Species Act consultations. Richardson replaces Kurt Getsinger.

Layne asked if APMS would be interested partnering with AERF in funding this endeavor. There was no budget associated with the request. APMS will wait to respond until a proposal is submitted and vetted through the Proposal Review Committee. However, there was discussion related to the cost and current priorities of APMS. APMS is an Associate Member of AERF, paying \$1,000 per year. APMS has substantial financial commitments associated with Core Values including the Annual Meeting and student initiatives, Journal, and GSRG. The Board suggested that while this request may be Mission Compatible, more information is needed.

**BASS:** No report. Several issues were addressed during the Proposal Review Committee Report.

**CAST:** No report.

**NALMS:** No discussion in addition to the report.

**RISE:** Representative Sam Barrick summarized RISE's efforts supporting repeal of the NPDES permit requirements for herbicide use in aquatic plant control and supporting the Administration's efforts to repeal Waters of the U.S (WOTUS) regulations.

**Science Policy Director:** There was no discussion in addition to Representative Lee VanWychen's detailed written report.

**Women of Aquatics:** Amy Kay updated WOA activities - meeting in conjunction with APMS Chapter conferences and in appointing Officers and Directors. Membership has been established with annual dues of \$50; \$25 for students. Plans are underway to create a Strategic Plan. WOA would like to meet at the time of APMS Annual Meeting but is not requesting funds from APMS to sponsor a Luncheon as in previous years.

**WSSA:** Representative Rob Richardson provided that the WSSA Board has not met since the last APMS Board meeting so there was little to report. The WSSA Annual Meeting is in January 2018 so there may be more to report at the July BOD meeting. Richardson pointed out that there are only three aquatics-related presentations on the 2018 WSSA Program. The 2019 WSSA meeting is in New Orleans – Chris Mudge can represent aquatics then. While there may be little acknowledgement of aquatics on the WSSA Program, APMS does benefit greatly through Lee VanWychen, Science Policy Director – as an information source and to provide aquatic input on a national scale.

*Todd Olson motioned the Board to approve Committee and Special Representative Reports. Craig Aguillard seconded the motion. The motion passed without dissenting vote.*

### **Old Business:**

#### **1. 2018 Annual Meeting Registration Cost**

*Tommy Bowen motioned the Board to hold all registration fees for the 2018 Annual Meeting at the 2017 levels. Jeremy Slade seconded the motion. The motion passed without dissenting vote.*

#### **2. Registration and Annual Membership Bundling**

There was considerable discussion on bundling annual membership with Annual meeting registration. While convenient for Individual Members, this may present issues with Sponsors, Exhibitors, and Sustaining Members who get one or more annual memberships with their fees or dues. The Board suggested bundling only delegate registration with annual membership since Exhibitors get a complimentary membership and Sponsors get as many as four registrations.

### **New Business:**

#### **1. Contact Us Function on APMS Web Site**

The APMS web site Contact Us function is receiving aquatic plant management requests for their local lake or pond. Should APMS make recommendations without knowing if the plant is correctly identified, what watershed issues may be present, what regulatory issues may be present. APMS does not want to ignore the request but does not need to make management recommendations without seeing the site. Suggestions included referring to local or state environmental agencies and refer to the AERF BMP Manual.

#### **2. 2018 Graduate Student Research Grant**

*Mark Heilman motioned the Board to move forward with advertising the 2018 Graduate Student Research Grant (\$20,000 payments in January 2019 and 2020). Ryan Thum seconded the motion. The motion passed without dissenting vote.*

*Craig Aguillard motioned the Board to adjourn to meeting. Todd Olson seconded the motion. The motion passed without dissenting vote.*

**The Board meeting adjourned at 4:37 p.m.**

## **THE AQUATIC PLANT MANAGEMENT SOCIETY, INCORPORATED**

**Email votes considered by the Board of Directors after the Midyear Board meeting held on January 16, 2018 and before the July 15, 2018 Board Meeting.**

### **1. Approve Honorary Membership for David Isaacs**

Background: On 4-19-18 Secretary Jeff Schardt wrote:

*President Ferrell asked that I notify the Board that David Isaacs has been recommended for APMS Honorary Membership. David meets the criteria for Honorary Membership outlined in the Bylaws. He is a long-term member of the Midwest Chapter and has been a member of APMS since 2001. David recently completed a three-year Director term on the APMS Board. He retired in 2017 from Aquatic Control, Inc. in Indiana. Most people on the current Board have known David for years and have sought his advice on Society matters including participation in APMS Strategic Planning.*

*I do not have a petition for APMS Honorary Membership with the 10 signatures. I suggest that if we receive 10 affirmative votes for David Isaacs approval as an Honorary Member, that this would meet the 10-signature requirement. Matthew Johnson, President of Aquatic Control will write up a bio for David Isaacs for the APMS web site and present David at the Annual Meeting pending approval by the Board. Therefore, I move that David Isaacs is approved by the Board as an Honorary Member of the Aquatic Plant Management Society.*

***Jeff Schardt motioned the Board to approve David Isaacs as an Honorary Member of the Aquatic Plant Management Society. Mark Heilman seconded the motion. The motion passed 13-0.***

### **2. Approve Robert Blackburn for 2018 President's Award**

Background: On 4-25-18 President John Rodgers wrote:

*Dr. Robert D. Blackburn is nominated for an APMS President's Award for his lifetime and career achievement in the profession of Aquatic Plant Management with more than 50 years of experience. Bob has provided exceptional service in several capacities for APMS including serving as President in 1967-68. At that time Bob was a scientist working for the USDA in Ft. Lauderdale. He and his colleagues developed many of the products and approaches used for management of invasive aquatic plants for several decades. Dr. Blackburn is the founder and current President of Future Horizons, Inc. where he enjoys solving problems in water resources. At Future Horizons, Bob is fortunate to work with his family especially his wife, Pam. Optimistically, Bob is an avid fan of the Auburn University Tigers.*

***John Rodgers motioned the Board to approve Robert D. Blackburn as the recipient of the 2018 Aquatic Plant Management Society President's Award. Todd Olson seconded the motion. The motion passed 13-0.***

### **3. Approve APMS Honorary Membership for Vernon Vandiver**

Background: On 4-25-18 Jay Ferrell, Treasurer and Awards Committee Chair wrote:

*I would like to set forth a motion to nominate Dr. Vernon Vandiver for APMS Honorary Member. Vernon meets all the criteria for this honor, but we need 10 signatures. If the board approves, we can allow the vote to also serve as the signatures.*

*Dr. Vandiver received his PhD from NC State in 1975 and started as an assistant professor at the University of Florida, Ft. Lauderdale REC, that same year. Dr. Vandiver retired in 2002 and has been working*



as a consultant in the aquatic plant management industry ever since. His career as a scientist at the University of Florida was punctuated by his dedication to extension outreach. Dr. V. established the Aquatic Weed Control Short Course in 1976. This week-long extension event was dedicated toward teaching aquatic applicators all parts of this profession, from label interpretation, to application techniques, to weed identification. This annual training quickly became the largest extension event in the state, drawing over 400 applicators annually. Forty-two years later, this event still bears Vernon's resemblance and continues to draw near 500 attendees. Dr. Vandiver was the driving force behind moving our applicators to the new era of herbicide application and aquatic plant management.

Since retiring, Dr. Vandiver has continued to support APMS as a member of the Board of Directors and regularly moderates sessions at the annual meeting. Not only has Vernon been a model of service, he also is the picture of dignity and class. He has been a great ambassador to APMS and I believe his is very deserving of the APMS Honorary Member Award.

***Jay Ferrell motioned the Board to approve Vernon Vandiver as an Honorary Member of the Aquatic Plant Management Society. Mark Heilman seconded the motion. The motion passed 12-0.***

#### **4. Approve Sherry Whitaker for 2018 President's Award**

Background: On 5-1-18 President John Rodgers wrote:

*This is a nomination for Ms. Sherry Whitaker for an APMS President's Award. Ms. Whitaker is currently employed by the U.S. Army Engineer Research and Development Center in Vicksburg, Mississippi. She has served APMS and Regional chapters in numerous capacities over many years. Not only has Ms. Whitaker served on the APMS Board of Directors, but she has expended exceptional effort to ensure that the registration desk for annual meetings is functioning and welcoming. This has been accomplished with considerable personal sacrifice. We are fortunate to have Sherry to greet us as we register for the meeting and we are mostly unaware of the effort and personal expense that make this possible. Her sacrifice for APMS is crucial to the success of the Annual Meeting (our primary communication outlet along with the Journal). In addition, Ms. Whitaker has provided outstanding service to the MidSouth Regional Chapter of APMS as President, Director, Treasurer and general caretaker.*

***John Rodgers motioned the Board to approve Sherry Whitaker as a recipient of the 2018 Aquatic Plant Management Society President's Award. Brett Hartis seconded the motion. The motion passed 14-0.***

#### **5. Approve New Orleans Riverside Hilton for 2021 Annual Meeting Site**

Background: On May 21, 2018, Meeting Planning Committee Chair Tommy Bowen wrote: *The Meeting Planning Committee initially reviewed 22 venues in 13 cities for our 2021 annual meeting in Alabama, Arkansas, Georgia, Louisiana, Kentucky, and Tennessee. Bill Torres contacted over 45 venues. The Committee narrowed our choices to 14 venues in three cities in Arkansas, Louisiana, and Tennessee and Bill provided hotel comparison charts for these hotels.*

- *The conference rate is \$169, a very competitive rate for downtown New Orleans.*
- *The Hilton, a four-star hotel, was selected because of its exceptional value. Meeting and exhibit ballrooms are elegant and can easily accommodate our conference. All of the APMS meeting space will be on the same level.*
- *The food and beverage guarantee is within our annual meeting budget (\$40K).*
- *The Hilton is located on the southeast edge of the French Quarter and along the Mississippi River and the River Walk. No need to drive anywhere.*

- *Dinner cruise vessels dock behind the Hilton and may offer an additional venue for the President's Reception or the Awards Banquet.*

***Tommy Bowen presented the following motion to the Board. The APMS Meeting Planning Committee, after reviewing 14 venue sites for our 2021 annual meeting in the cities of Little Rock, Memphis, and New Orleans, recommend the Hilton New Orleans Riverside Hotel in New Orleans, Louisiana as the host hotel for our annual meeting, July 11-14, 2021. Mark Heilman seconded the motion. The motion passed 11-0.***

DRAFT

## Report of the President to the Board of Directors, Aquatic Plant Management Society

July 3, 2018

The unusual weather throughout North America has prompted an exceptionally busy spring with numerous harmful algal blooms, vascular aquatic weed surges, and continued procrastination by water resource managers to prepare accompanied by shock and awe when these events reoccur. You perhaps remember from my January report, I decided to focus my efforts this year on enhancing communication (internal and external) and expanding membership and participation (both numerically and by sectors). To that end, I have endeavored to: 1) seek exceptional speakers providing sound science for the Annual Meeting and to support the APMS Journal, 2) participate in meetings of allied organizations and invite colleagues to join APMS, and 3) reach out to local, state and federal government employees and scientists that would be good potential members of APMS.

Some of the activities that I have undertaken this spring are noted below:

- Participated in the Aquatic Invasive Species Summit III. Minneapolis, MN. February 28 – March 1, 2018.
- Participated in the 38<sup>th</sup> Annual Meeting of the Midwest Aquatic Plant Management Society, Cleveland, OH. February 26 – March 1, 2018.
- Provided science information for herbicide and algaecide registration to US EPA.
- Participated in the 19<sup>th</sup> Annual Meeting of the Northeast Aquatic Plant Management Society, New Castle, NH. January 11, 2018.
- Participated in the US EPA HAB Webinar. Provided scientific justification for expanded funding and source water control.
- Participated in a letter of invitation to Senator Chuck Schumer, senior US Senator from New York (invitation to speak at APMS Annual Meeting in Buffalo).
- Assisted development of proposal for integrated research center for noxious algae and vascular plants with US Army CoE.
- Served as scientific liason with AERF.
- Continued research on Starry Stonewort management in Minnesota, Michigan, Wisconsin, New York, and other northern tier states.
- Contacted several aquatic programs in the Midwest and northeast regarding student participation in the Annual Meeting.

I am looking forward to an outstanding meeting in Buffalo, NY, in July, 2018. Special thanks to all that are involved and invested in APMS and its activities.

Respectfully submitted,

John H. Rodgers, Jr., President

July 2, 2018

To: Board of Directors of the Aquatic Plant Management Society (APMS)

From: Jeremy G. Slade

Subject: Report of the Treasurer

**General and Scholastic Accounts**

**Enclosure 1.** Summary of the General and Scholastic Checking and Investment Accounts. Totals are as of 7/2/2018.

**Investment Portfolio Performance:** See Finance Committee Report.

**2018 YTD Income and Expenses Report**

**Enclosure 2.** Summary of income and expenses for the period January 1, 2018 through July 2, 2018.

**2017 Audit and Federal Return**

**Enclosure 3.** All APMS financial records and related information were made available to Winston, Williams, Creech, Evans, & Company, LLP to conduct an audit of our financial statements as of December 31, 2017. Comparative summary of assets and income/expenses for years end 2017 and 2016.

**3 Enclosures**

The Aquatic Plant Management Society, Inc.  
General and Scholastic Accounts  
July 2, 2018

General and Scholastic Accounts

General Accounts

Checking (general ops)	\$128,279.12
Investment (emergency)	\$244,487.42 (Incl. \$120,000 emergency fund)

Total General Accounts	\$372,766.54
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Scholastic Accounts

Checking (discretionary)	\$7,855.08
Investment (disc. subaccount)	\$137,580.65

Total Scholastic Accounts	\$145,435.73
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Total General and Scholastic Accounts	<b>\$518,202.27</b>
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**The Aquatic Plant Management Society, Inc.**  
**2018 Income and Expense Report**  
 January 1 through July 2, 2018

	Jan 1 - Jul 2, 18
<b>Ordinary Income/Expense</b>	
<b>Income</b>	
Annual Meeting Income	
Contributions	55,283.00
Delegate 1-Day Registration	475.00
Delegate Pre-Registration	18,600.00
Delegate Registration	4,125.00
Event Tickets	475.00
Exhibit Fees	13,600.00
Guest Pre-Registration	2,080.00
Guest Registration	0.00
Student Registration	225.00
<b>Total Annual Meeting Income</b>	<b>94,863.00</b>
Journal Income	
Page Fees	4,165.00
Research Methods Publication	970.00
Subscriptions	1,800.00
Journal Income - Other	10,000.00
<b>Total Journal Income</b>	<b>16,935.00</b>
Membership Income	
Individual	8,325.00
Student	260.00
Sustaining	13,000.00
Membership Income - Other	75.00
<b>Total Membership Income</b>	<b>21,660.00</b>
Scholastic Endowment Income	
Contributions	820.00
Graduate Assistantship	
Starry Stonewort Grant	10,000.00
Graduate Assistantship - Other	8,000.00
<b>Total Graduate Assistantship</b>	<b>18,000.00</b>
<b>Total Scholastic Endowment Income</b>	<b>18,820.00</b>
<b>Total Income</b>	<b>152,278.00</b>
<b>Expense</b>	
Annual Meeting Expense	
Poster Boards	630.75
Program	957.50
<b>Total Annual Meeting Expense</b>	<b>1,588.25</b>

**The Aquatic Plant Management Society, Inc.**  
**2018 Income and Expense Report**  
 January 1 through July 2, 2018

	Jan 1 - Jul 2, 18
<b>Awards</b>	
Plaques/Certificates	1,906.35
<b>Total Awards</b>	1,906.35
<b>Corporation Annual Report Fee</b>	61.25
<b>Credit Card Merchant Processing Card Fees</b>	2,770.26
<b>Total Credit Card Merchant Processing</b>	2,770.26
<b>Dues</b>	
AERF	1,000.00
CAST	1,500.00
RIS	575.00
WSSA	5,436.34
<b>Total Dues</b>	8,511.34
<b>Education/Outreach Insurance</b>	4,000.00
Board of Directors Liability	807.00
General Liability	284.00
<b>Total Insurance</b>	1,091.00
<b>Interest Expense</b>	
Loan Interest	4,159.15
<b>Total Interest Expense</b>	4,159.15
<b>Journal Expense</b>	
Editor Stipend	6,000.00
Manuscripts	26,594.49
Printing & Postage	62.85
<b>Total Journal Expense</b>	32,657.34
<b>Meeting Planner</b>	
Meeting 3 years out	2,482.06
<b>Total Meeting Planner</b>	2,482.06
<b>Miscellaneous</b>	3.29
<b>Printing and Reproduction</b>	770.78
<b>Professional Fees</b>	
Accounting	6,000.00
<b>Total Professional Fees</b>	6,000.00
<b>Scholastic Endowment Expense</b>	
Graduate Assistantship	50,000.00
<b>Total Scholastic Endowment Expense</b>	50,000.00

**The Aquatic Plant Management Society, Inc.**  
**2018 Income and Expense Report**  
January 1 through July 2, 2018

	Jan 1 - Jul 2, 18
Secretary Stipend	5,000.00
Supplies	47.70
Website	
Administration	1,800.00
Total Website	1,800.00
Winter Board Meeting	
Audio Visual Equipment	958.63
BOD Hotel Rooms	954.31
Meals	2,312.17
Travel	60.75
Total Winter Board Meeting	4,285.86
Total Expense	127,134.63
Net Ordinary Income	25,143.37
Net Income	<b>25,143.37</b>



**AQUATIC PLANT MANAGEMENT SOCIETY, INC.**  
**FINANCIAL STATEMENTS**  
**DECEMBER 31, 2017 and 2016**

## **AQUATIC PLANT MANAGEMENT SOCIETY**

### **Table of Contents**

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# Winston, Williams, Creech, Evans, & Company, LLP

Certified Public Accountants



America Counts on CPAs

James P. Winston II, CPA  
Gary L. Williams, CPA  
Carleen P. Evans, CPA

Jennifer T. Reese, CPA  
Curtis G. Van Horne, CPA  
Tara H. Roberson, CPA

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## INDEPENDENT AUDITOR'S REPORT

To the Board of Directors  
Aquatic Plant Management Society,

We have audited the accompanying financial statements of Aquatic Plant Management Society (a nonprofit organization), which comprise the Statement of Assets, Liabilities and Net Assets—Cash Basis as of December 31, 2017 and 2016, and the related Statement of Support, Revenues and Expenses—Cash Basis for the year then ended, and the related notes to the financial statements.

### Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with the cash basis of accounting as described in Note A; this includes determining that the cash basis of accounting is an acceptable basis for the preparation of the financial statements in the circumstances. Management is also responsible for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

### Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the assets, liabilities, and net assets of Aquatic Plant Management Society as of December 31, 2017 and 2016, and its support, revenue, and expenses for the year then ended in accordance with the cash basis of accounting as described in Note A.

### Basis of Accounting

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102 W. Spring Street • P.O. Box 1366 • Oxford, NC 27565 • (919) 693-5196 • fax (919) 693-7614

[www.wwcecpa.com](http://www.wwcecpa.com)



We draw attention to Note A of the financial statements, which describes the basis of accounting. The financial statements are prepared on the cash basis of accounting, which is a basis of accounting other than accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to that matter.

***Winston, Williams, Creech, Evans & Co., LLP***

Winston, Williams, Creech, Evans & Co., LLP

Certified Public Accountants

May 30, 2018

**AQUATIC PLANT MANAGEMENT SOCIETY, INC.**  
**STATEMENT OF ASSETS AND NET ASSETS -**  
**CASH BASIS**  
**DECEMBER 31, 2017 AND 2016**

	2017	2016
<b>ASSETS</b>		
Assets		
Cash and Cash Equivalents	\$ 109,064	\$ 64,515
Long-Term Investments	386,227	382,801
Total Assets	<u>\$ 495,291</u>	<u>\$ 447,316</u>
<b>NET ASSETS</b>		
Net Assets		
Unrestricted	\$ 299,236	\$ 259,716
Restricted - Scholastic Endowment	196,055	187,600
Total Net Assets	<u>\$ 495,291</u>	<u>\$ 447,316</u>

The accompanying notes are an integral part of the financial statements.

**AQUATIC PLANT MANAGEMENT SOCIETY, INC.**  
**STATEMENT OF SUPPORT, REVENUE, AND EXPENSES - CASH BASIS**  
**FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016**

	2017	2016
<b>UNRESTRICTED FUNDS:</b>		
<b>REVENUES</b>		
Annual Meeting	\$ 110,700	\$ 72,382
Investment Income	21,983	7,420
Journal & Reprints	28,665	14,070
Membership	23,735	25,100
Exhibit fees	18,400	15,400
Unrealized Gain (loss) on Investments	-	8,209
Gain (Loss) on sale of securities	-	122
Total Unrestricted Revenues	\$ 203,483	\$ 142,703
<b>EXPENSES</b>		
Program Services		
Annual Meeting	85,245	60,355
Journal Expense	20,490	15,142
Winter Board Meeting	8,869	3,205
Total Program Service Expenses	114,604	78,702
Support Services		
Bank & Merchant Charges	4,628	5,404
Investment Fees	-	517
Dues	8,278	3,000
Insurance	1,729	1,464
Legal & Accounting	18,000	15,800
Corporation fees	61	61
Travel	4,724	3,821
Supplies	535	124
Web Page	3,300	4,000
Miscellaneous (Income)/Expense	74	225
Education/ Outreach	17,518	3,752
Total Support Service Expenses	58,847	38,168
Total Unrestricted Expenses	173,451	116,870
<b>EXCESS OF UNRESTRICTED REVENUES OVER (UNDER) EXPENSES</b>	<b>\$ 30,032</b>	<b>\$ 25,833</b>

The accompanying notes are an integral part of the financial statements.

**AQUATIC PLANT MANAGEMENT SOCIETY, INC.**  
**STATEMENT OF SUPPORT, REVENUE, AND EXPENSES - CASH BASIS**  
**FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016**

	2017	2016
RESTRICTED FUNDS - SCHOLASTIC ENDOWMENT REVENUES		
Education and outreach	\$ -	\$ -
Raffle and auction	3,889	5,380
Graduate assistantship	40,620	10,152
Investment Income	13,884	5,219
Unrealized Gain (loss) on Investments	-	5,360
Gain (Loss) on sale of securities	-	(3)
Total Restricted Revenues - Scholastic Endowment	\$ 58,393	\$ 26,108
EXPENSES		
Awards	0	1,300
Booklets and brochures	0	1,509
Graduate assistantship	40,310	40,000
Investment fees	140	1,627
Total Restricted Expenses - Scholastic Endowment	40,450	44,436
EXCESS OF RESTRICTED REVENUES OVER (UNDER) EXPENSES	17,943	(18,328)
TOTAL INCREASE IN NET ASSETS	47,975	7,505
NET ASSETS BEGINNING OF YEAR	447,316	439,811
NET ASSETS END OF YEAR	\$ 495,291	\$ 447,316
NET ASSETS END OF YEAR	\$ 495,291	\$ 447,316

The accompanying notes are an integral part of the financial statements.

**AQUATIC PLANT MANAGEMENT SOCIETY, INC.**  
**NOTES TO FINANCIAL STATEMENTS**  
**DECEMBER 31, 2017**

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**NOTE A – NATURE OF ACTIVITIES AND SIGNIFICANT ACCOUNTING POLICIES**

This summary of significant accounting policies of Aquatic Plant Management Society, Inc. is presented to assist in understanding the Organization's financial statements. The financial statements and notes are representations of the Organization's management, who are responsible for their integrity and objectivity.

Nature of Operations

The Aquatic Plant Management Society, Inc. is an international organization of scientists, educators, administrators, and concerned individuals interested in the management and control of aquatic plants. The membership reflects a diverse collection of Federal, state and local agencies; researchers and students from universities and colleges around the world; corporations; commercial applicators; and others dedicated to promoting research and sharing information about aquatic plants and the technology of aquatic plant management.

Basis of Accounting

The Organization's policy is to prepare its financial statements on the cash basis of accounting; consequently, certain revenues are recognized when received rather than when earned and certain expenses and purchases of assets are recognized when cash is disbursed rather than when the obligation is incurred. Consequently, the accompanying financial statements are not intended to present the financial position of Aquatic Plant Management Society, Inc. and the results of its operations in conformity with generally accepted accounting principles.

Revenue Recognition

All contributions and other revenue are considered to be available for unrestricted use unless specifically restricted by the donor. Aquatic Plant Management Society, Inc. reports gifts of cash and other assets as restricted support if they are received with donor stipulations that limit the use of donated assets. When donor restrictions expire, temporarily restricted net assets are reclassified to unrestricted net assets and reported in the statement of activities as net assets released from restrictions.

Cash and Cash Equivalents

For financial statement purposes, Aquatic Plant Management Society, Inc. considers all highly liquid investments with a maturity of 3 months or less when purchased to be cash equivalents.

Investment Securities

Investment in marketable securities with readily determinable fair values and all investments in debt securities are valued at their fair values in the statement of assets, liabilities and net assets. Unrealized gains and losses are included in the change in net assets. Investment income and gains restricted by a donor are reported as increases in unrestricted net assets if the restrictions are met (either by passage of time or by use) in the reporting period in which the income and gains are recognized. Short-term investments consist of marketable securities with original maturities of twelve



**AQUATIC PLANT MANAGEMENT SOCIETY, INC.**  
**NOTES TO FINANCIAL STATEMENTS**  
**DECEMBER 31, 2017**

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months or less. Long-term investments consist of marketable securities with original maturities greater than twelve months. Investment accounts are not covered by the Federal Deposit Insurance Corporation (FDIC).

Investments at December 31, 2017 were comprised of marketable securities and investment accounts as follows:

	<u>FMV</u>
State Bank (General Operating Account)	\$248,027
State Bank (Scholastic Endowment Account)	138,200

Fair Value Measurements

U.S. Generally Accepted Accounting Procedures (U.S. GAAP) defines fair value, establishes a framework for measuring fair value, including consideration of non-performance risk, and expands disclosures about fair value measurements. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date (i.e., an exit price).

U.S. GAAP also establishes a fair value hierarchy that categorizes and prioritizes the inputs used to estimate fair value into three levels based upon their observability. Level 1 has the highest priority and Level 3 the lowest. If an input is based on bid and asks prices, the guidance permits the use of a mid-market pricing convention. The three levels of the fair value hierarchy are defined as follows:

- Level 1 inputs are unadjusted quoted prices in active markets for identical assets or liabilities.
- Level 2 inputs are other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly. Level 2 inputs include quoted prices (in non-active markets or in active markets for similar assets or liabilities), inputs other than quoted prices that are observable, and inputs that are not directly observable, but that are corroborated by observable market data.
- Level 3 inputs are unobservable inputs for the asset or liability. Unobservable inputs shall be used to the extent that observable inputs are not available, allowing for situations in which there is little, if any, market activity for an asset or liability.

Financial assets and liabilities are classified in their entirety based on the lowest level of input that is significant to the fair value measurement. The assessment of the significance of a particular input to the fair value measurement requires judgment, and may affect the valuation of assets and liabilities and their placement within the fair value hierarchy levels.

Income Tax Status

Aquatic Plant Management Society, Inc. is a non-profit corporation and is exempt from Federal and state income taxes under Section 501(c) (5) of the U. S. Internal Revenue Code.

There was no unrelated business income for the year ended December 31, 2017. The Organization's open audit periods are 2014 through 2017.

**AQUATIC PLANT MANAGEMENT SOCIETY, INC.**  
**NOTES TO FINANCIAL STATEMENTS**  
**DECEMBER 31, 2017**

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In June 2006, The Financial Accounting Standards Board issued ASC 740-10 (formerly known as FASB Interpretation No. 48, Accounting for Uncertainty in Income Taxes), which prescribed a comprehensive model for how an organization should measure, recognize, present, and disclose in its financial statements uncertain tax positions that an organization has taken or expects to take on a tax return. There was no impact to the Organization's financial statements as a result of the implementation of ASC 740-10.

**NOTE B – FAIR VALUE MEASUREMENT**

The fair value measurements and levels within the fair value hierarchy of those measurements for the assets reported at fair value on a recurring basis at December 31, 2017 are as follows:

<u>Description</u>	<u>Fair Value</u>	<u>Quoted Prices (Level 1)</u>	<u>Significant Observable Inputs (Level 2)</u>	<u>Significant Unobservable Inputs (Level 3)</u>
State Bank				
General Operating	\$ 248,027	\$ 248,027	\$ -	\$ -
Scholastic Endowment	138,200	138,200	-	-
Total	<u>\$ 386,227</u>	<u>\$ 386,227</u>	<u>\$ -</u>	<u>\$ -</u>

The Organization recognizes transfers of assets into and out of levels as of the date an event or change in circumstances causes the transfer. There were no transfers between levels in the year ended December 31, 2017.

**NOTE C – RESTRICTED NET ASSETS**

Aquatic Plant Management Society, Inc. has scholastic endowment accounts set up to promote educational development. The net assets restricted for this purpose amounted to \$196,055 at December 31, 2017 and \$187,600 at December 31, 2016.

**NOTE D – SIGNIFICANT EFFECTS OF SUBSEQUENT EVENTS**

The Aquatic Plant Management Society has evaluated events and transactions that occurred between December 31, 2017 and May 30, 2018, which is the date that the financial statements were available to be issued, for possible recognition or disclosure in the financial statements.

**Secretary Report**  
**Board of Directors Meeting, APMS**  
**July 15, 2018**  
**Buffalo, New York**

**Submitted by: Jeffrey D. Schardt, Secretary**

**Annual Meeting Program:** The Secretary works with the Program Committee to format, assemble information, and oversee printing and delivery of the Program. 150 Programs were printed this year. Programs are printed by PRIDE Industries in Florida, associated with the FL prison system. Since APMS is a not-for profit entity, PRIDE offers a reduced rate on printing. Duke Energy has once again offered to reimburse APMS for the \$957.50 printing and shipping costs of the Program.

**Membership:** APMS Membership is fluid as new members join throughout the year and existing members pay dues from January through registration at the Annual Meeting. I email invoices to Student and Individual Members during the first week of January each year. I send a thank you letter at the same time to Sustaining Members, summarizing APMS activities from the previous year and asking for their continuing membership. Since July 30, 2017 (after the 2017 Annual Meeting) we have 38 new members. The average for the seven previous years is 38 new members, ranging from 21-59. We get a lot of new memberships during Annual Meeting Registration, especially for joint meetings with Chapters, but many of these new Members do not renew the following year. The 2013-2015 Annual Meetings were joint meetings with Chapters and represent the higher, but temporary membership totals associated with joint meetings. Total membership for APMS as of July 7, 2018 is ~308 and breaks down as follows:

	<b>2018 Total</b>	<b>Type</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
301	USA	Individual	223	265	248	244	213	206	222
7	International	Honorary	16	17	19	19	21	21	21
30	Subscription	Student	26	33	25	30	32	33	38
		Sustaining	17	16	16	18	21	26	27
		<b>Total</b>	<b>282</b>	<b>331</b>	<b>308</b>	<b>311</b>	<b>287</b>	<b>286</b>	<b>308</b>

When calculating total membership, I include members who have paid dues for the current and most recent previous year. Therefore, the numbers above for 2018 represent members who have paid through 2018 and members who paid dues in 2017, but not yet in 2018. Some may pay 2018 dues at the Annual Meeting; however, there are 72 members that paid in 2017 but not yet in 2018. Nine are student presenters from 2016 that received a one-year free membership for 2017 and may not renew. Many who have not yet renewed for 2018 are long-term APMS members and are still active in aquatic plant management. I sent three email notices to 2015-2017 members that had not yet paid 2018 dues.

**Newsletter:** Three Newsletters were published since the last Annual meeting. The 2018 Officer and Director Slate and three additional items that require general Membership votes at the Annual Business Meeting were published in the June issue which was posted more than 30 days prior to the Annual Meeting. Newsletters take about 15-20 hours each for the three annual issues.

**Expenditures:** Following are Secretary expenditures for the current Board year – since the close of last year’s Annual Meeting. Costs are associated with the 2017 Student Tour, travel to the Midyear BOD meeting, producing the new APMS Display, and mailing Journals to new members.

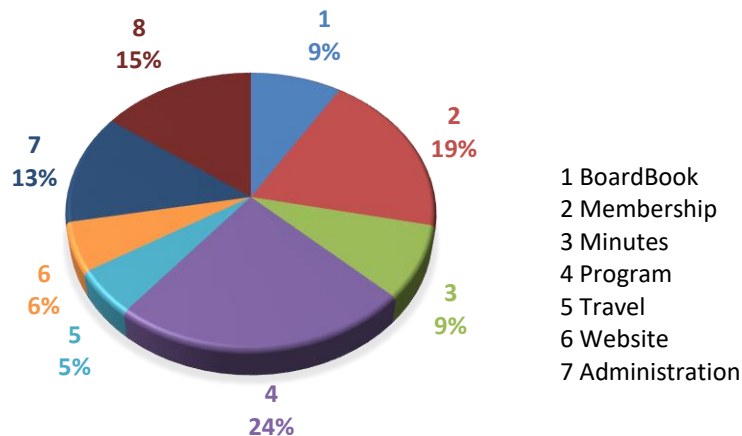
### Secretary Expenditures - July 19, 2017 - July 7, 2018

Date	Shipping / Postage	Travel	Supplies	Amount
07/19/17		BOD post-conf dinner		417.12
07/19/17		Student tour lunch		156.96
07/20/17		Student tour van rental		175.59
07/20/17		Student tour dinner		315.06
07/20/17		Gas Student tour		27.50
07/21/17		Gas - APMS Annual Mtg		24.30
07/26/17	Mail new member journals			7.25
08/24/17	Mail replace journal			2.45
09/14/17	Mail MSU journal			2.45
10/11/17	Mail new member journal			2.87
12/08/17	Mail replacement journal			2.87
01/11/18			Retractable APMS banners	770.78
01/19/18		Midyear BOD - gas/meals		257.92
01/20/18	Mail new member journals			29.55
02/09/18	Mail replacement journal			6.70
02/13/18	Mail replacement journal			2.47
02/15/18	Mail new mbr. jrnl/Methods books			20.10
03/01/18	Mail new mwmbrr journals			20.10
04/05/18	Mail Replace Journal - British Lib.			3.10
04/06/18	Mail new mbr. jrnl/Methods books			13.40
04/14/18	Mail new mbr. jrnl/Methods books			13.40
04/21/18	Mail new mbr. jrnl/Methods book			6.70
05/01/18	Mail new mbr. jrnl/Methods books			13.40
05/04/18	Mail new mbr. jrnl/Methods books			13.40
05/23/18	Mail new mbr. jrnl/Methods books			13.40
05/31/18	Mail new mbr. jrnl/Methods book			6.70
06/19/18	Mail new mbr. Jrnl/Methods book			26.80
07/02/18	Mail new mbr. Jrnl/Methods book			6.70
07/06/18	Mail new mbr. Jrnls			9.88
<b>07/07/18</b>	<b>Total for 2018</b>	<b>\$223.69</b>	<b>\$1,374.45</b>	<b>\$770.78 2368.92</b>

**Secretary Time Distribution:** Most of the Secretary's work between the Midyear and July Board meetings is focused on membership updates, Newsletter publication, and assisting in the Annual Meeting Program. I have been logging time spent on APMS Secretarial duties since January 2015 to account for issues handled by the APMS Secretary and approximate times associated with these efforts. I logged approximately 410 hours in 2015, 392 in 2016 and 454 hours for 2017. The increase reflects additional time dedicated to the Newsletter since acquiring this duty. I have logged 260 hours from January 1 through July 7, 2018. See table below for 2018 hours through July 7.

Brdbook	Mbrshp.	Minutes	Prgm.	Travel	Website	Admin.	Newsletter	Total
23.00	50.5	22.5	62.5	14	15	33.5	39	260

### 2018 APMS SECRETARY TIME DISTRIBUTION



Editor Report – Journal of Aquatic Plant Management  
Summer 2018 Board Meeting  
Jason Ferrell

JAPM 56:2 (July 2018) is fully edited and with the printer. It contains 7 manuscripts (5 papers and 2 notes) and has an estimated delivery date of July 7, 2018. We have a 60% acceptance rate.

Total number of submissions:

2012 – 48

2013 – 52

2014 – 50

2015 – 25

2016 – 38

2017- 48 (14 were Research Methods papers) – 34 normal JAPM papers.

Research Methods

These have been well received. We advertised on APMS website, WSSA website and newsletter, as well as all regional chapter newsletters. We are selling 2-3 per week, on average.

Outstanding JAPM article award

"Survival and vegetative regrowth of Eurasian and hybrid watermilfoil following operational treatment with auxinic herbicides in Gun Lake, Michigan"  
Thum et al.

Future of JAPM

JAPM is struggling in the current climate of publishing due to our size, which is a result of highly specialized content. As a result, many of our articles are get missed by Google Scholar or Web of Science searches. WSSA journals, particularly Invasive Plant Management and Science, is seeking to increase submissions. I believe we should have an honest conversation about the pros and cons of joining with Invasive Plant Science and Management (IPSM).

Rob Richardson, John Madsen and I have been in talks with WSSA Director of Publications and the Editor of IPSM. Here are the main points of discussion:

- All aquatic papers would be reviewed by the "Aquatic Editor" that is elected by APMS.
- An aquatic "subsection" would be added to IPSM to highlight these submissions.
- IPSM is online only. This allows free color photos and figures (JAPM charges \$950 for each page) and ahead of print publishing. Also allows for "supporting data" uploads.
- IPSM is currently behind a paywall that requires membership for viewing. However, WSSA is participating in a new initiative with Cambridge Press to have all articles available to the general public. You click the article title and

it allows you to read and share the content; you cannot download or print the article unless you are a member.

- WSSA membership is \$175/yr or \$50/yr for students. Membership gives you full access to all three journals. An a la carte option for IPSM only will not be available.
- Cost. Cambridge Press doesn't charge WSSA to publish the journals. Rather, WSSA receives royalties annually relative to number of subscriptions sold. I would not envision APMS incurring cost either.

Aquatic Plant Management Society  
Board of Directors Meeting  
July 15, 2018  
Hyatt Regency – Buffalo, NY

**Education and Outreach Committee Report**

Submitted by: Jeff Schardt

Other Committee members: Brett Hartis, Karen Brown, Mike Netherland

**1) APMS Membership Brochure**

We are nearly out of APMS Membership Brochures that are put on the Display table at meetings. This coincides with Membership voting whether to increase annual Individual Membership dues. The current brochure, that was produced in February 2015, is attached for review and comment. The cost for 500 copies was \$121.

**Recommendation:** Revise and print 500 copies of the APMS Membership Brochure

**2) Florida Plant Camp**

Florida Plant Camp was held at the University of Florida and various field sites in central Florida on June 11-15, 2018. 26 educators attended from across Florida. We could not find out-of-state teachers to attend this year. Teachers evaluate each activity, instructor, and venue. See comments below about the Thursday field trip on Lake Toho that pulls together plant id and ecology, management concepts, and public interactions discussed during the week.

As you may know, our participants fill out evaluations each day rating the presentations and activities. We like to provide this information to our presenters as feedback. You received **5.00** (out of 5.00) for the Lake Toho field trip with the following comments:

- Fabulous!
- Loved seeing an ecosystem pulling together all the ideas we have been studying
- So great!
- The best yet!
- Awesome wrap up. Great event to tie it all together.
- This trip allowed me to appreciate the problem caused by invasive plants on a broader scale.
- Seeing mechanical and herbicide methods was wonderful. Great connections to the importance and cooperation between different organizations
- Now I feel a lot more familiar with plant ID.
- Great real-life world application!
- Thank you. This rekindled in me just how much I love Florida flora and fauna – including the people!
- Excellent tour!! Get info and visual on all aspects of management.
- Loved it!
- What a great experience, love the samples and to be able to see the samples in real life on the airboat ride. Also experience the management component/aspect.
- Really enjoyed the airboat ride. It gave a good "big picture" look at plant management.
- Seeing all of the things we've learned came together at the lake was incredible.

**3) APMS archival photos**

Bill Haller and Ken Langeland have forwarded historical slides from APMS Annual Meetings. I will likely purchase a slide scanner and start digitizing. The plan is to post on the web site under Annual meeting Archives along with the Program and Abstracts.



## BENEFITS

### Publications

APMS members receive the *Journal of Aquatic Plant Management* published twice annually. Authors from around the world contribute their latest research findings on aquatic plant management. Members also receive quarterly issues of *Aquatics* magazine with articles on aquatic plants and control operations.

### Annual Conference

The Society holds an annual conference in a different US city each year for presenting papers and sharing information on the latest findings relating to aquatic plant management.

### Education & Outreach

APMS publishes a quarterly Newsletter to update members on issues related to aquatic plant management. The Society also produces educational materials and sponsors workshops on aquatic plants and their management.

### Scholarships

APMS provides substantial annual funding to support Masters and Ph.D. candidates pursuing degrees in fields related to aquatic plants.

Water: an important natural resource.

Invasive aquatic plants affect water adversely in the following ways:

**Block navigation**

**Impede flood control**

**Hinder fishing and other recreational activities**

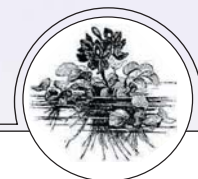
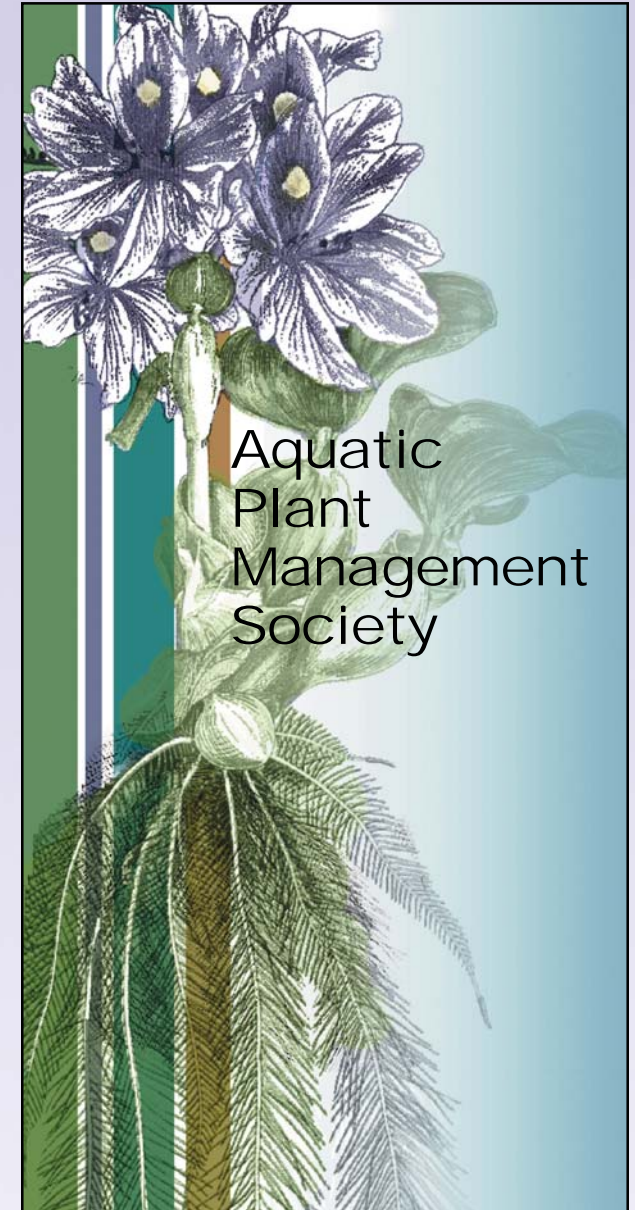
**Provide mosquito breeding sites**

**Stunt fish populations**

**Accelerate sedimentation and lake aging**

**Degrade native plant habitat**

**Impede potable water, irrigation, and hydropower supplies**



[www.apms.org](http://www.apms.org)

## INTRODUCTION

The Aquatic Plant Management Society, Inc. (APMS) is a non-profit international organization of scientists, educators, students, field technicians, administrators, and concerned individuals interested in the study and management of aquatic plants. The membership reflects a diverse assemblage from government agencies, universities and colleges, corporations and small businesses from around the world.

## HISTORY

Originally the Hyacinth Control Society, Inc. when founded in 1961, APMS is a respected source of expertise in the fields of biological, mechanical, chemical, and cultural aquatic plant management. The Society has grown to include several regional and state chapters. Through these affiliates, annual conferences, newsletters, and the *Journal of Aquatic Plant Management*, members become aware of the latest developments in aquatic plant research and control.

## MISSION

The Mission of the APMS is to provide a common forum in which to exchange ideas and information concerning the management of aquatic plants.

### Objectives:

- Promote the use of scientifically sound procedures in aquatic plant management,
- Encourage scientific research,
- Provide for the scientific advancement of Society members,
- Promote university scholarships and other educational assistance programs,
- Publish meritorious research and other information pertinent to aquatic plants and their management,
- Develop and extend public interest in aquatic plant sciences,
- Cooperate with local Chapters and other organizations with related interests.

**Members stay informed of national programs and policies through APMS affiliations with:**

- Bass Anglers Sportsman's Society
- Council for Agricultural Science & Technology
- North American Lake Management Society
- Responsible Industry for a Sound Environment
- Weed Science Society of America

## MEMBERSHIP

To join the Aquatic Plant Management Society, complete this form and mail your check along with the application to:

**Aquatic Plant Management Society**  
**7922 NW 71<sup>st</sup> Street**  
**Gainesville, FL 32653**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Work Phone : \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Please check the membership class below for which you are applying:

☐ **Individual** ..... \$75.00\*  
Entitles member to vote, hold office, serve on committees, and receive publications.

☐ **Student** ..... \$20.00\*  
Full-time students receive same privileges as Individual member.

☐ **Sustaining** ..... \$500.00\*  
One person of company or group receives same privileges as Individual member.

Amount of Remittance: \$ \_\_\_\_\_

\*Check the APMS web site for current information at: [www.apms.org](http://www.apms.org)

July 3, 2018

To: Board of Directors of the Aquatic Plant Management Society (APMS)

From: Dean Jones

Subject: Exhibits Report

### **Exhibitors**

To date, approximately 24 exhibitors will be attending the 2018 APMS meeting in Buffalo, NY including 20 representing industry and potentially four non-profits including AERF, APMS, NEAPMS and NALMS. The total income generated for APMS from Exhibitors is \$13,600. Although participation is down slightly from 2017, Florida meetings are generally better attended than most.

### **Sponsors**

To date, we have 20 sponsors for the 2018 APMS meeting in Buffalo, NY including one Platinum Sponsors (UPI) and two Gold Sponsors (SePRO and Syngenta). There were also three Silver Sponsors, three Bronze Sponsors, ten Contributors (including NEAPMS) and one anonymous donation of \$2,483. The total income to APMS from sponsors for the 2018 Annual Meeting is \$55,283. Although we have more sponsors than 2017 we have three fewer top tier sponsors resulting in a slight reduction in funding.

# Finance Committee Report

July 2018 APMS Annual Board Meeting

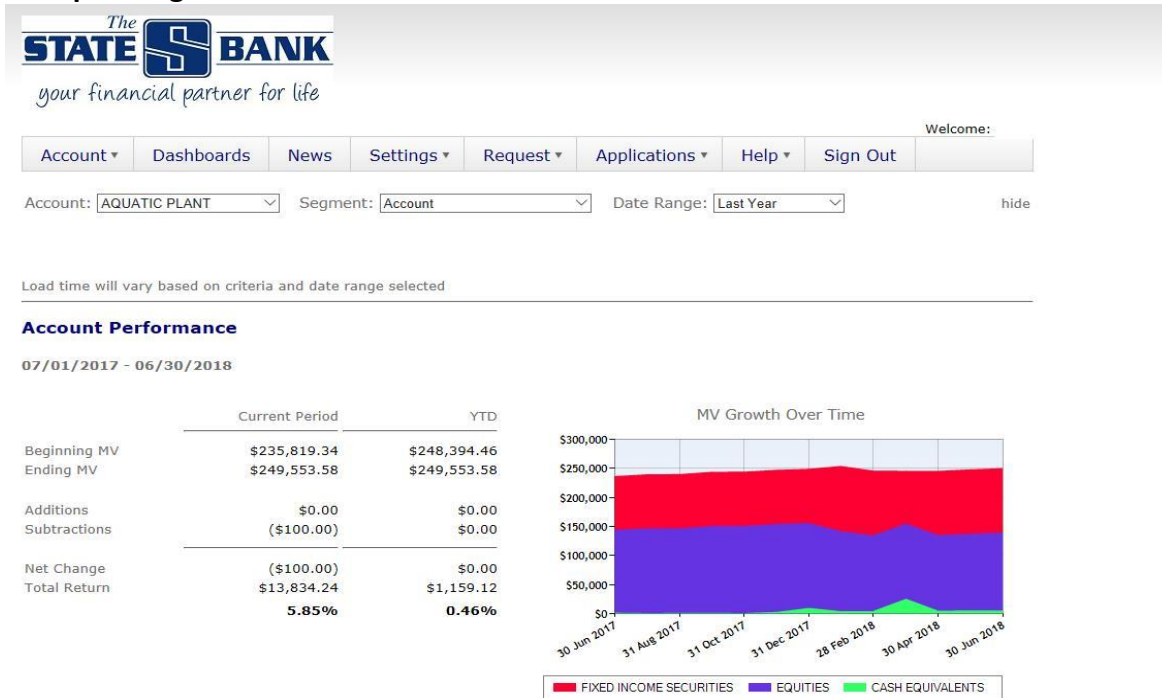
John Gardner - Chair

## Investment Performance 07/01/2017 – 6/30/2018

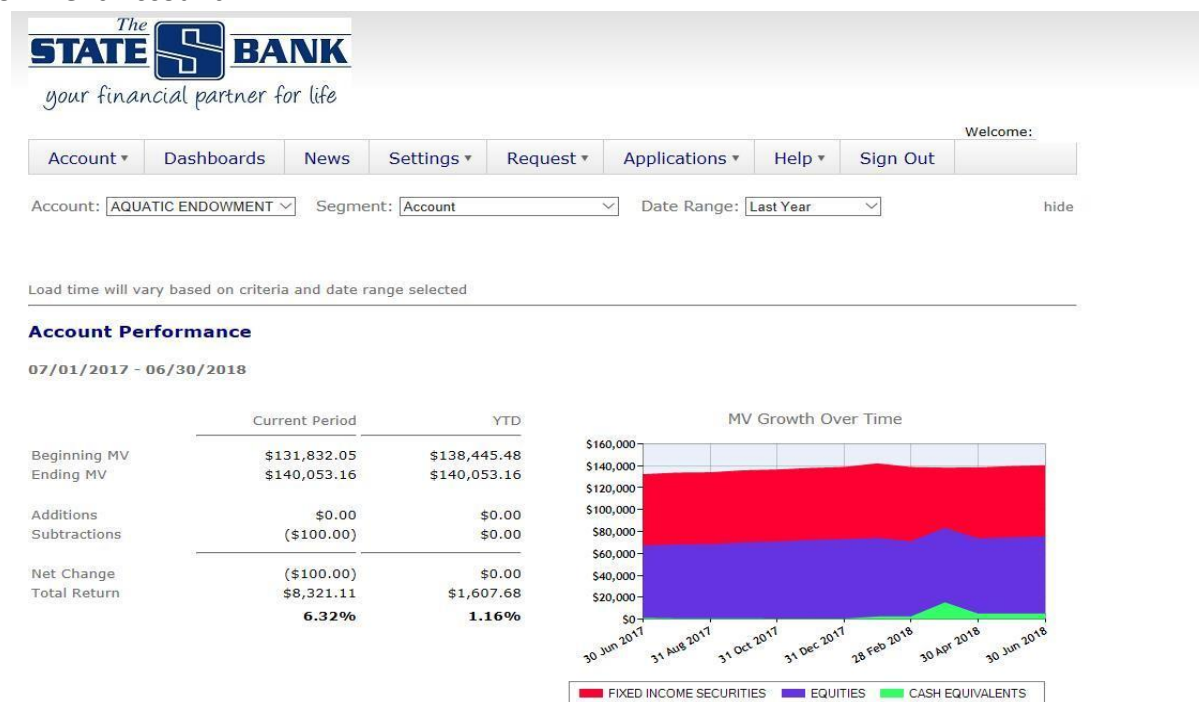
General Operating Account: Investment funds returned \$13,834 – 5.85%

Endowment Account: Investment funds returned \$8,321 - 6.32%)

### General Operating Account:



### Endowment Account





# Finance Committee Report

July 2018 APMS Annual Board Meeting

Page 2

## Holdings as of July 2, 2018:

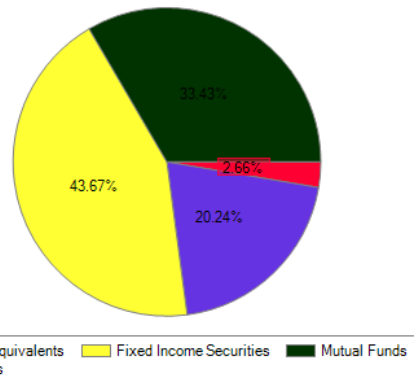
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### Holdings Summary

	Market Value	Pct. Portfolio
Cash Equivalents		
Cash	0.00	0.00%
MISC CASH EQUIV-TXBL	6,626.94	2.66%
Cash Equivalents Total	6,626.94	2.66%
Equities		
MUTUAL FUNDS-TAXABLE	15,344.48	6.15%
STOCK - COMMON	35,130.12	14.09%
Equities Total	50,474.60	20.24%
Fixed Income Securities		
MUTUAL FUNDS-TAXABLE	108,892.37	43.67%
Mutual Funds		
MUTUAL FUNDS-TAXABLE	83,364.67	33.43%
Grand Total	249,358.58	100.00%

Summary Graph



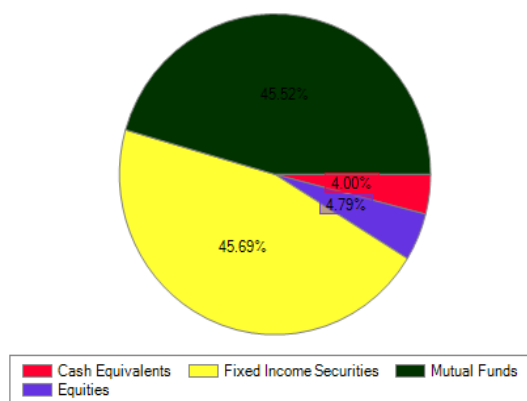
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### Holdings Summary

	Market Value	Pct. Portfolio
Cash Equivalents		
Cash	0.00	0.00%
MISC CASH EQUIV-TXBL	5,596.20	4.00%
Cash Equivalents Total	5,596.20	4.00%
Equities		
MUTUAL FUNDS-TAXABLE	6,710.51	4.79%
Fixed Income Securities		
MUTUAL FUNDS-TAXABLE	63,996.65	45.69%
Mutual Funds		
MUTUAL FUNDS-TAXABLE	63,749.34	45.52%
Grand Total	140,052.70	100.00%

Summary Graph



# **Delivering Government Solutions in the 21<sup>st</sup> Century:**

## **Reform Plan and Reorganization Recommendations**

### **FEATURED REORGANIZATION PROPOSALS**

#### **Federal Food Safety Agency**

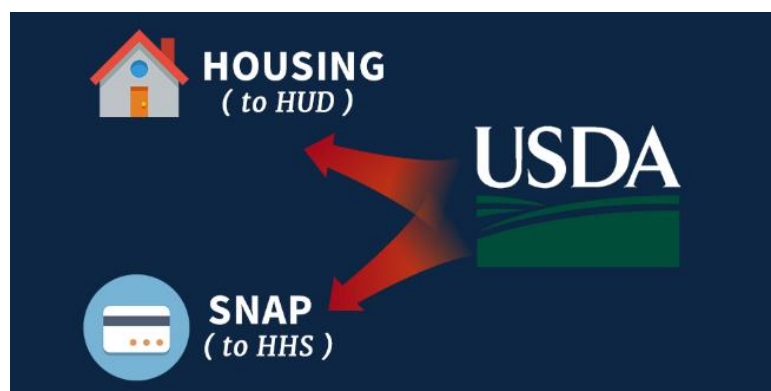
Reorganize primary Federal food safety functions into a single agency, the Federal Food Safety Agency, to address the current fragmented Federal oversight of food safety, reduce duplication of inspection at some food processing facilities, and improve outreach to consumers and industry while ensuring robust and coordinated food safety oversight.

#### **The Department of Education and the Workforce (DEW)**

Merge the Departments of Education and Labor into a single Cabinet agency, the Department of Education and the Workforce (DEW), which would meet the needs of all American students and workers, from early childhood education to retirement. Merging the two agencies would allow the Federal government to address the educational and skill needs of American students and workers in a coordinated way, eliminating duplication of effort.

#### **Rural Housing Consolidation**

Move USDA's rural housing loan guarantee and rental assistance programs to the Department of Housing and Urban Development (HUD) to allow both the USDA and HUD to focus on their core missions and, over time, further align the Federal government's role in housing policy.



#### **The Department of Health and Public Welfare**

Consolidate non-commodity nutrition assistance programs – such as the Supplemental Nutrition Assistance Program (SNAP) and the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) – under the Department of Health and Human Services (HHS), renaming HHS the Department of Health and Public Welfare to better capture the nature of its programs. The proposal also establishes a Council on Public Assistance, comprised of all agencies that administer public benefits, with authority to set cross-program policies. The proposal better aligns Federal administration of major public assistance programs with how they are often run at the State and local levels, providing consistent policies and a single point of contact, and reduces duplication in State reporting and other administrative burdens.

## **The Bureau of Economic Growth**

Consolidate Federal economic assistance resources under a new Bureau of Economic Growth at the Department of Commerce to drive economic growth in communities across the nation. Communities will be able to more easily determine which programs they are eligible for and will face lower regulatory burdens when applying for economic assistance. Taxpayers will receive a better return on their investments through improved outcome measures, and standardized and transparent reporting requirements.

## **A Sustainable Postal Service**

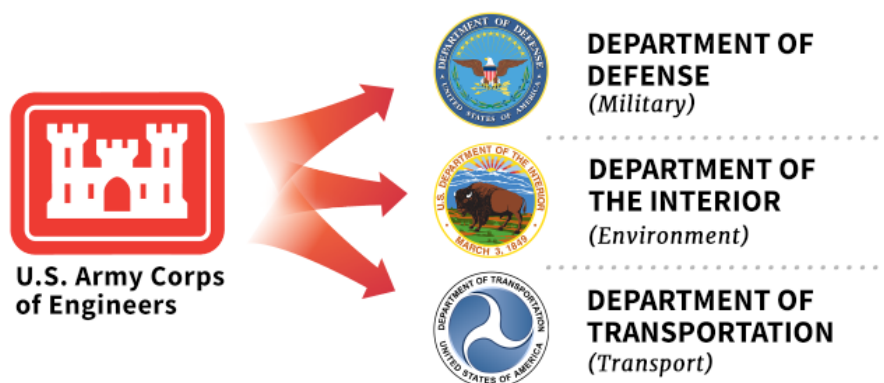
Restructure the United States Postal System and return it to a sustainable business model. The Postal Service's financial difficulties have been an issue raised by past Administrations, GAO, members of both parties in both chambers of Congress, and the Postal Service itself for years.

## **Cybersecurity Workforce Shortage**

Solve the Federal Cybersecurity Workforce shortage by retraining our existing employees, attracting top talent with more competitive hiring practices, and investing in programs to build the talent pipeline and meet the growing long-term demand for cybersecurity expertise. These workforce enhancements are part of a government-wide effort to find innovative ways to use existing resources more efficiently and effectively, while simultaneously improving our ability to deliver valuable government services, protect citizens' data, and defend our critical infrastructure.

## **Consolidate Mission Alignment of Army Corps of Engineers Civil Works**

Move the Army Corps of Engineers (Corps) Civil Works out of the Department of Defense to the Department of Transportation (DOT) and Department of the Interior (DOI) to consolidate and align the Corps' missions with these agencies. It moves the Corps Civil Works commercial navigation mission to DOT and the remaining Corps Civil Works missions (flood and storm damage reduction, aquatic ecosystem restoration, regulatory and all other activities) to DOI. This proposal increases consistency of Federal policy and actions in both transportation and natural resource management resulting in more rational public policy outcomes, and better Federal investment decisions.



June 22, 2018

To: Board of Directors of the Aquatic Plant Management Society (APMS)

Subject: Report of the Meeting Planning Committee (MPC)

**Committee Members:**

Craig Aguillard, Linda Nelson, Cody Gray, Sherry Whitaker, Troy Goldsby, Bryan Goldsby, George Selden, Chris Mudge, Tommy Bowen (Chair)

**58<sup>th</sup> Annual Meeting, July 15-18, 2018, Buffalo, New York**

By late June, most nights of the conference room block at the Hyatt had completely sold out. The Holiday Inn Express and Embassy Suites are serving as overflow hotels. Reservation reminders have been sent to the membership via the website, provided in the June newsletter, and sent by email. The MPC has finalized the meeting requirements and coordinated with APMS officers and committee chairs regarding the other meeting necessities (exhibits, registration, audio/visual, student rooms, auctions/raffles, etc.).

A preliminary budget was provided as an enclosure in the January 2018 MPC report. This budget was based on an attendance of 170 delegates, exhibitors, students, and guests. Registration fees, exhibit fees, and sponsorship levels are the same as last year. A net income of \$22K is estimated for this annual meeting.

**59<sup>th</sup> Annual Meeting, July 14-17, 2019, San Diego, California**

The contract has been signed with the Doubletree by Hilton San Diego Mission Valley as the site for our 2019 annual meeting, July 14-17.

**60<sup>th</sup> Annual Meeting, July 19-22, 2020, San Antonio, Texas**

The hotel contract has been signed with the Hyatt Regency North Riverwalk as the site for our 2020 annual meeting, July 19-22.

**61<sup>st</sup> Annual Meeting, July 11-14, 2021,**

The APMS Board approved by email vote the Meeting Planning Committee recommendation of the Hilton New Orleans Riverside Hotel in New Orleans, Louisiana July 11-14, 2021. The hotel contract was signed by President Rodgers on June 22, 2018 (Enclosure 1).

1 Enclosure  
Tommy





# Hilton

NEW ORLEANS RIVERSIDE

Two Poydras Street

New Orleans, LA 70130

## QUICK CONFIRMATION AGREEMENT

This Quick Confirmation Agreement ("Agreement") is by and between Aquatic Plant Management Society ("Group" or "you" or "your(s)") and New Orleans Riverside Lessee LLC ("Owner"), d/b/a Hilton New Orleans Riverside (the "Hotel" or "we" or "us" or "our").

Especially Prepared for:		Event & Hotel Information:	
Client Contact Name:	Bill Torres	Name of "Event":	APMS 2021
Title:	Third Party Meeting Planner	Date(s) of Event:	July 11, 2021 - July 15, 2021
Company Name:	Aquatic Plant Management Society	Post to Reader Board As:	APMS 2021
Address:	7922 NW 71 <sup>st</sup> St	Hotel Contact:	Deidre Rodriguez
City, State, Zip:	Gainesville FL 32643	Title:	Sr. Sales Manager
Phone:	850 519-4310	Phone:	(504) 556-3779
Fax:		Fax:	(504) 556-3788
Email:	BILLT@FLEPMS.ORG	Email:	deidre.rodriguez@hilton.com

	SAT 7/10/21	Sun, 7/11/21	Mon, 7/12/21	Tue, 7/13/21	Wed, 7/14/21	Thur, 7/15/21
Standard	45	135	135	135	55	15
Government Per Diem	4	6	6	6	6	
Total	49	141	141	141	61	15

Room	Single Rate	Double Rate	Triple Rate	Quad Rate
Standard	\$ 169.00	\$ 169.00	\$199.00	\$229.00
Prevailing Per	\$109.00	\$109.00	\$139.00	\$169.00
Diem, Currently				

View Rooms can be confirmed for \$179

**TOTAL SLEEPING ROOM NIGHTS RESERVED: 548**

Please include:

Group rates will be honored for attendees three (3) days before group arrival and three (3) days after group departure based on availability. Guest rooms sold pre- and post the event dates will be included as part of the Groups guest room block commitment.

The hotel agrees, based on availability, to honor the group's room block rate if the reserved room block is exceeded.

**HOTEL RELOCATION PROCEDURE** In the unlikely event that the Hotel is unable to provide a guest room to an attendee with a confirmed reservation on the day of arrival, the Hotel will provide for that attendee: (a) arrangements and payment for first nights' room charge and tax for accommodations at a comparable nearby Hotel, (b) transportation to and from the Hotel, (c) priority reservations for the first available room at the Hotel the next evening and (d) one long distance phone call of reasonable length to notify change of location. Determination of "a comparable nearby hotel" is the Hotel's sole discretion (e) when a room becomes available the Guest chooses not to return to the Hotel, Hotel has no further obligation to this guest. Any rooms relocated will be counted to the complimentary room count and towards attrition for such period as Hotel was unable to accommodate Guest.



CONRAD



**TOTAL ANTICIPATED SLEEPING ROOM REVENUE: \$90,932**

Sleeping room rates are commissionable and are quoted exclusive of applicable state and local taxes, fees and assessments. Quoted sleeping rates will be offered, based on availability of contracted room type(s), to your attendees (3) three days before and (3) three days after the above dates.

**SCHEDULE OF EVENTS AND FUNCTION SPACE CHARGES:**

Date	Start Time	End Time	Function	Room	Setup	Agr	Room Rental
Sun, 7/11/21	7:30 AM	5:00 PM	Meeting	Prince of Wales - 2nd Floor	Board Meeting	20	\$ 0.00
Sun, 7/11/21	8:00 AM	5:00 PM	Office	Cambridge - 2nd Floor	Office	5	\$ 0.00
Sun, 7/11/21	8:00 AM	5:00 PM	Registration	Churchill Foyer - 2nd Floor	Registration	4	\$ 0.00
Sun, 7/11/21	8:00 AM	7:00 PM	Speaker Ready Room	Chequers - 2nd Floor	Round Tables of 6	5	\$ 0.00
Sun, 7/11/21	3pm	11:59pm	Exhibition/Trade Show	Churchill BC - 2nd Floor	Exhibition - Table Top	30	\$ 0.00
Sun, 7/11/21	7:00 PM	9:00 PM	Reception	River Room - Riverside Bldg	Reception	125	\$ 0.00
Mon, 7/12/21	6:00 AM	12:00 AM	Exhibition/Trade Show	Churchill BC - 2nd Floor	Exhibition - Table Top	30	\$ 0.00
Mon, 7/12/21	6:30 AM	12:00 AM	Storage	Churchill A2 - 2nd Floor	No Set Up Required		\$ 0.00
Mon, 7/12/21	8:00 AM	5:00 PM	General Session/Congress	Churchill D - 2nd Floor	Classroom	160	\$ 0.00
Mon, 7/12/21	8:00 AM	5:00 PM	Speaker Ready Room	Chequers - 2nd Floor	Round Tables of 6	5	\$ 0.00
Mon, 7/12/21	8:00 AM	5:00 PM	Registration	Churchill Foyer - 2nd Floor	Registration	4	\$ 0.00
Mon, 7/12/21	8:00 AM	5:00 PM	Office	Cambridge - 2nd Floor	Office	5	\$ 0.00
Mon, 7/12/21	11:30 AM	1:00 PM	Lunch	Eglinton Winton - 2nd Floor	Round Tables of 8	30	\$ 0.00
Mon, 7/12/21	11:30 AM	1:00 PM	Lunch	Churchill A1 - 2nd Floor	Round Tables of 8	30	\$ 0.00
Mon, 7/12/21	5:30 PM	7:00 PM	Reception	Churchill BC - 2nd Floor	Reception	150	
Tue, 7/13/21	1:00 AM	12:00 AM	Storage	Churchill A2 - 2nd Floor	No Set Up Required		\$ 0.00
Tue, 7/13/21	6:00 AM	12:00 AM	Exhibition/Trade Show	Churchill BC - 2nd Floor	Exhibition - Table Top	30	\$ 0.00
Tue, 7/13/21	8:00 AM	5:00 PM	General Session/Congress	Churchill D - 2nd Floor	Classroom	160	\$ 0.00

Tue, 7/13/21	8:00 AM	5:00 PM	Speaker Ready Room	Chequers - 2nd Floor	Round Tables of 6	5	\$ 0.00
Tue, 7/13/21	8:00 AM	5:00 PM	Office	Cambridge - 2nd Floor	Office	5	\$ 0.00
Tue, 7/13/21	8:00 AM	5:00 PM	Registration	Churchill Foyer - 2nd Floor	Registration	4	\$ 0.00
Tue, 7/13/21	11:30 AM	1:00 PM	Lunch	Eglinton Winton - 2nd Floor	Round Tables of 8	15	\$ 0.00
Tue, 7/13/21	11:30 AM	1:00 PM	Lunch	Churchill A1 - 2nd Floor	Round Tables of 10	20	\$ 0.00
Tue, 7/13/21	6:00 PM	7:00 PM	Reception	St. James Foyer - 3rd Floor	Reception	140	\$ 0.00
Tue, 7/13/21	7:00 PM	10:00 PM	Dinner	St. James - 3rd Floor	Round Tables of 8	140	\$ 0.00
Wed, 7/14/21	1:00 AM	1:00 PM	Storage	Churchill A2 - 2nd Floor	No Set Up Required		\$ 0.00
Wed, 7/14/21	6:00 AM	1:00 PM	Exhibition/Trade Show	Churchill BC - 2nd Floor	Exhibition - Table Top	30	\$ 0.00
Wed, 7/14/21	8:00 AM	12:00 PM	Registration	Churchill Foyer - 2nd Floor	Registration	4	\$ 0.00
Wed, 7/14/21	8:00 AM	1:00 PM	General Session/Congress	Churchill D - 2nd Floor	Classroom	160	\$ 0.00
Wed, 7/14/21	8:00 AM	5:00 PM	Speaker Ready Room	Chequers - 2nd Floor	Round Tables of 6	5	\$ 0.00
Wed, 7/14/21	8:00 AM	5:00 PM	Office	Cambridge - 2nd Floor	Office	5	\$ 0.00
Wed, 7/14/21	12:00 PM	4:00 PM	Meeting	Prince of Wales - 2nd Floor	Conference/Boardroom	25	\$ 0.00

**Assignment of Function Space:** Hotel will provide Group with Function Space in accordance with the schedule of events, based on the contracted number of people attending the event. Hotel may make reasonable substitutes to Function Space by notifying Group and upon written consent from the Group.

*Specific meeting rooms cannot be guaranteed and are subject to change with approval from APMS*

- Regarding Room Rental, please refer to the section below entitled "Meeting Room Charges Based on Sleeping Room Performance"
- Ant = Anticipated; Agr = Number of Attendees

**GRATUITY AND SERVICE CHARGE:** The combined gratuity and service charge that is in effect on the day of your Event will be added to your account. Currently, the combined charge is equal to 25.5% of the food and beverage total, plus any applicable state and/or local taxes. A portion of this combined charge (currently 15%) is a gratuity and will be fully distributed to servers, and where applicable, bussers and/or bartenders assigned to the Event. The remainder of the combined charge (currently 10.5%) is a service charge that is not a gratuity and is the property of Hotel to cover discretionary and administrative costs of your Event. We will endeavor to notify you before your Event of any increases to the combined charge should different gratuity and/or service charge amounts will be in effect on the day of your Event.

We will endeavor to notify you in advance of your Event of any increases to the gratuity and/or service charge should different amounts be in effect on the day of your Event.

**Summary of Revenue Anticipated by Hotel from this Agreement:** For your information and guidance, the following chart illustrates the total potential value of your Event. The Hotel has offered the negotiated sleeping room rates, meeting room inventory and other concessions in this Agreement based upon the total revenue contracted, as well as additional revenue from providing additional services to your Group and your attendees at additional charge. Any requests for additional sleeping rooms, meeting rooms, function space and/or Food and Beverage to be added after Agreement signing will be subject to availability, and agreed upon changes would be confirmed in a written amendment to this Agreement signed by both parties.

Summary of Revenue Anticipated by Hotel from this Agreement	
Total Anticipated Sleeping Room Revenue: 520 X \$169 and 28 X Current rate of \$109	\$90,932
Total Anticipated Food and Beverage Revenue: Total Anticipated Food and Beverage Revenue does not include gratuities, service charges, supplemental surcharges, applicable federal, state or local taxes or any other fees outside of food and beverage product sales.	\$40,000
"Total Anticipated Revenue":	\$130,932

**TAXES:** In addition to the Total Minimum Anticipated Revenue for your Event, you agreed to pay any and all applicable federal, state, municipal and other taxes, fees, or assessments imposed on or applicable to your Event. Hotel room rates are subject to applicable state and local taxes (currently 14% plus \$3.00 occupancy tax per room per night) in effect at the time of check-out, as well as Statutory Tourism Support Assessment of 1.75% of each room rate, per room per night. We will honor any available tax exemptions for which you qualify, provided that you properly complete and timely provide all documentation required by the applicable jurisdiction to substantiate said exemption.

**Additional Concessions:** In consideration of the entire value your Event brings to the Hotel, we are pleased to offer the following concessions based on Group's achievement of 80% or greater of the combined Total Anticipated Sleeping Room Revenue and Total Anticipated Food and Beverage Revenue. These concessions are valued at \$13,520. If the actual total sleeping room revenue and the actual total food and beverage revenue for your Event materializes at less than 80% of the combined Total Anticipated Sleeping Room Revenue and Total Anticipated Food and Beverage Revenue, the concessions will be *reduced* proportionately at the discretion of the Hotel or, at your request, provided and charged to your Master Account at retail value, in addition to any performance damages you may owe related to sleeping room revenue and Food and Beverage revenue, plus applicable Meeting Room Rental Fees. Please advise your assigned Event Manager no later than seven (7) days prior to first guest room arrival of your decision whether you prefer to have concessions reduced or if you want to retain and pay for them. If you elect to pay for unearned concessions, you agree that you will pay all applicable labor/union charges, state and local taxes, gratuity and/or service charges on all concessions provided.

Item	Retail Value per Unit	Units/Quantity	Duration	Concession	Total Retail Value	Savings
One Bedroom Executive Suite 7/10-15/2021	\$1250	1	5	\$169	\$5000	\$5406
Junior Suite for the meeting planner 7/10-15/2021	\$500	1	5	Complimentary	\$2000	\$2500
Wireless internet in guest rooms	\$9.95	514	1	Complimentary	\$5,114	\$5,114
25% discount on self parking	Currently, \$44	Up to 141		\$33		\$11 per day per car
10 upgrades to Riverview Kings 7/10-15/2021	\$179 group retail	10	5	\$169	\$7160	\$500
One Meeting Room for 15 in January, 2021 for the APMS Board.				Complimentary		
15 Guest Rooms at the same group rate for the Board members attending the meeting in January 2021						

**Audio-Visual Discount - Hotel Managed (sole provider):** Hotel will offer a 10% discount off prevailing published pricing guidelines for Hotel's in-house inventory of equipment (excludes labor, service charges, consumables, sales tax and shipping/delivery charges) if Hotel is selected as the primary and sole provider of all audiovisual and production related services for the applicable Event, including without limitation any general session. Discounts on outsourced equipment, labor and consumables will depend on total spend and will be negotiated directly with Hotel's audiovisual manager.

No surcharge or service charge will be assessed to Aquatic Plant Management Society Master Account for using their own AV equipment (e.g. Laptop, Projector, Printer, Confidence Monitor, VGA or HDMI Cords, etc.).

**Food & Beverage Discount:** Hotel will extend a 10% discount off July 2021 published banquet menu prices if Group confirms final menus no later than 30 days prior to arrival. The discount does not reduce Group's guaranteed expenditure of a minimum of \$40000 in banquet food and beverage, excluding taxes, gratuities and service charges. If Group requests customized menus or other discounted food and beverage options for any/all events, the discount will not apply in addition to the special pricing. Discount does not apply to service charge or gratuity and will be charged based on published retail price. Requests for additional labor, sub-contracted equipment, décor, early, late or extended serve times will be the responsibility of the Group and will not be discounted. Retail value based on Total Anticipated Food and Beverage revenue of \$40,000 is \$4000

**OPTION DATES:** These arrangements are being held on a **first option basis** until **June 28, 2018** (the "Option Period"). However, should other business opportunities arise such that we are in a position to confirm immediately, you will be advised and given **72 hours (three days)**, or until the end of your Option Period (whichever is shorter) to confirm this Agreement on a definite basis by returning a signed copy of this Agreement to us, or to enable alternate dates to be researched and offered for your use. Please note that it is your responsibility to notify us if you need to request an extension of your Option Period. If we do not receive a signed copy of this Agreement by **June 28, 2018**, we may, at our sole option and with no notice required, release this first option, or may continue to hold the arrangements, or may review and revise our rates. No cancellation fee shall apply if we release this first option.

**Additional Terms and Conditions:** By signing where indicated below, you are agreeing that in addition to the terms and conditions of this Agreement as outlined herein, this Agreement is also comprised of all the general terms and conditions set forth in the Quick Confirmation Agreement – Additional Terms and Conditions (collectively, the "Additional Terms and Conditions") located on the following web site: <http://hiltondistribution.com/us-quick/addterms.htm>.

**Entire Agreement:** This Agreement, together with the Standard Terms and Conditions (attached hereto and incorporated herein by reference), the above-referenced **Additional Terms and Conditions**, appendices, addenda and exhibits attached hereto (if any), upon signature by both parties below, constitutes the entire agreement between the parties and may not be amended or changed unless done so in writing and signed by the parties. If this Agreement or any attachments thereto are returned signed but with changes, it shall not constitute an acceptance, but rather a counteroffer by you that may be accepted or rejected in writing by us in our sole discretion. Once both you and we sign this Agreement, all provisions reserved on your behalf will be *confirmed* and therefore subject to the terms of this Agreement.

The undersigned expressly agree and warrant that they are authorized to sign and enter into this Agreement on behalf of the party for which they sign.

**ACCEPTED AND AGREED TO:**

**GROUP:**

Aquatic Plant Management Society

**HOTEL:**

New Orleans Riverside Lessee LLC  
d/b/a Hilton New Orleans Riverside

By: Hilton Management LLC, its Managing Agent

Printed Name: Dr. John Rodgers  
Title: APMS President 2017-2018  
Dated: 6-22-2018

Printed Name: Deidre Rodriguez  
Title: Sr. Sales Manager  
Dated: \_\_\_\_\_  
By: \_\_\_\_\_  
Print Name: Susan Zimmermann  
Title: Director of Sales  
Dated: \_\_\_\_\_

**STANDARD TERMS AND CONDITIONS**

**Room Assignments**

Your assigned Event Manager will discuss your housing requirements with you to customize a solution that will provide the most effective method for your attendees to book their reservations and for your management of the Room Block. All published housing information on your website or registration materials must be reviewed by the Hotel to ensure rate, date, cut off and Hotel specific information is correct.

**Housing Options Include:**

- ☐ **Independent Housing:** We understand you will be using FL Event Planning & Meeting Service for your group housing. Your assigned Event Manager will discuss your housing requirements with you to customize a solution that will provide the most effective method for Aquatic Plant Management Society to submit the rooming list and manage the room block
- ☒ **GroupMAX:** As a GroupMAX™ licensee, we understand you will build your event in GroupMAX™ and our Hotel will have view only access to the room block until the reservation access date. <http://Passkey.com/GM/EventDashboards-PlannerGuide-RLM.PDF>

**"Rooming List Format"** – the hotel will only accept rooming lists in an excel format (Document can be provided by the hotel with the following minimal guest information.)

1. Name (First, Last)
2. Arrival and Departure Dates
3. Address
4. Email / Phone
5. Room Type

Payment/Billing Instructions (Credit card # and Expiration date.)

All published housing information on your website or registration materials must be reviewed by the Hotel to ensure rate, date, cut off and Hotel specific information is correct

☒ **Individual Call In:** Reservations will be made directly by the attendee by calling our reservations department directly at (504)584-3999 (Monday-Friday 7:00 am - 7:00 pm and Saturday-Sunday 8:00 am - 4:30 pm) Reservations must be made no later than **June 11, 2021**. After that date, you agree that we may offer unused rooms held in your block to other customers. Reservations requested by your attendees after this date will be accepted based upon availability. Room and tax will be paid by individuals.

☐ **Via a rooming list;** Hilton offers direct download into our reservation system using RAPID! Your designated Event Manager will send you an Excel template to create your rooming list. Your final rooming list must be received on or before the Cut-Off Date.

Regardless of how your reservations are made, our online **Guest List Manager** is available to view and manage guest lists as well as view room count summaries for your Room Block. Your Event Manager will provide you with the brief instructions to access.

The Hotel will provide an electronic reservation interface that is customized for this event. Reservations may be made, modified or canceled by individuals on-line at a URL to be established by the Hotel and published by the Group to potential attendees.

#### **Audit of Attendees**

We are pleased to offer **G.R.I.P.**, Hilton's proprietary Group Reservation Identification Program, which automates the process of cross referencing registration lists to identify rooms booked outside of the reserved Room Block. Your final report of consumed rooms will reflect all rooms associated with your Room Block.

If you request a comparison through **G.R.I.P.**, you will need to electronically provide the first and last names of attendees registered for your Event to the Hotel. Group agrees that Group takes full responsibility for (a) determining whether it is necessary to disclose to Group's attendees that information is being provided to Hotel by Group or vice versa which may be considered private or confidential, and for making such disclosure, if it is required, and (b) obtaining any necessary permissions from attendees allowing for such exchange of information. After comparing your list to the Hotel's guest registry, Hotel will advise you of the number of room nights occupied by your attendees reserved outside the official Room Block.

If you request Hotel to provide you with the names of the guests who reserved rooms outside of the official Room Block, you agree to sign an addendum relating to the release of the audit information for Group's Event and to fully defend, indemnify and hold Hotel and Hilton Domestic Operating Company Inc. harmless from and against any and all claims, settlements, judgments, fees or costs, including attorney's fees and expert witness fees and costs, incurred as a result of any third party claim by any person or entity arising out of the release of information about a guest or guests to Group, as part of this comparison process.

Your assigned Event Manager will discuss how we can assist you in managing your attendees' booking behavior so that attendees will reserve rooms within the Room Block.

The revenue generated by those room nights booked outside of the reserved Room Block will be added to Group's revenue achieved for purposes of determining Group's obligations under the Sleeping Rooms Performance clause. Group will be given credit for rooms used by Group's attendees outside the Room Block at the rate actually paid for the rooms used. Rooms reserved outside Group's Room Block will not be counted in determining any complimentary room credit.

#### **Guest Payment Arrangements**

It is our understanding that all individuals who attend your Event will be responsible for their own room, tax and incidental charges upon check-out. Incidental charges must be paid in full prior to the guest's departure, with individual credit being established upon check-in. Please instruct your guests to check with the Hotel to make certain all incidental charges are paid prior to departure.

If Group submits a rooming list with reservations that will be paid for by Group such reservations will be considered guaranteed for the full length of stay unless the reservations are cancelled by Group or the individual guest no later than 72 hours prior to the individual guest arrival. Early departure charges will be applied to Group's Master Account for guests guaranteed by Group's rooming list that depart early.

#### **Individual Guest Deposits/Confirmation**

To confirm a sleeping room within your Room Block, the sleeping room must be secured with a valid credit card provided either by you or the guest attending your Event, along with a **first night's** deposit. Deposits are **refundable if cancelled 72 hours prior to the individual's arrival date**. Checks and major credit cards are acceptable to establish prepayment. All credit cards used to prepay the room deposit will be charged immediately. Should you secure sleeping rooms on behalf of your guests with your credit card, your attendees may thereafter provide their own credit card information for their own sleeping rooms. Your advance payments and deposits will either be refunded by us to you within 30 days after completion of your Event if sleeping rooms you paid for in advance were later paid for by your attendees or, at our election, credited to your Master Account. The Hotel will deduct any collected nonrefundable prepayment fees from the amount you may owe as performance or cancellation damages.

#### **Cut-Off Date**

In order to assign specific room types to your attendees, each sleeping room in your Room Block must be confirmed in the manner described below no later than **June 18, 2021**. This date will be known as your "**Cut-Off Date**." After the Cut-Off Date, the Hotel will continue to hold any rooms in your Room Block not assigned to a specific attendee for your Group **if you pay for such rooms in full at that time**. If you have not guaranteed or prepaid such rooms, you agree that Hotel may offer unused sleeping rooms held in your Room Block to other customers to reduce Hotel's losses. You agree that the release of rooms will not affect the enforceability of this Agreement or your obligation to pay for unsold rooms in your Room Block. Advance payments will be refunded by the Hotel after your Event dates if rooms you paid for in advance were later paid for by your attendees. Confirmation of rooms after the Cut-Off Date will only be accepted based on availability of contracted room type(s) and at the Hotel's prevailing rates.

#### **Check-In/Out Time**

Our check-in time is **3:00 PM**; check-out time is **12:00 PM**. All guests arriving before **3:00 PM** will be accommodated as rooms become available. Our **Guest Services Department** can arrange to check baggage for those arriving early when rooms are unavailable and for guests attending functions on departure day.

#### Early Departure Fee

If a guest who has requested a room within your Room Block checks out prior to the guest's reserved checkout date, the Hotel will add an early checkout fee to that guest's individual account of **one (1) night's room rate**. Guests wishing to avoid an early checkout fee should advise the Hotel at or before check-in of any change in planned length of stay. The Hotel will inform your Group attendees of this potential charge upon check-in and requests that you also inform your attendees of this obligation. The Hotel will deduct any collected Early Departure fees from the amount you may owe as performance damages.

The Hotel will deduct any collected early departure fees from the amount you may owe as sleeping room performance damages.

#### Commission

We will pay a commission of 10% of the room rate (excluding any taxes, rebates, housing company fees or other subsidy) for each sleeping room night actually occupied and paid for by your attendees that was reserved as part of the established Room Block at the negotiated convention/meeting rates contained in this Agreement. Commission will be paid to **Florida Event Planning & Meeting Service** ("Meeting Planner"), unless we receive confirmation in writing signed by both Group and Meeting Planner that commissions are to be paid to some other person or entity. We will make no more than one commission payment of 10%, which we estimate will equal **\$9,093** if your entire Room Block is actualized at the minimum room rates. Payment will be made after receipt by the Hotel of full payment for the Event, but Hotel has no obligation to take any action to collect funds to be paid as commissions. For the avoidance of doubt, no commission payments will be paid to the Meeting Planner for revenue received by Hotel from cancellation damages, no-show charges, discounted staff rooms, or performance damages. If no third party meeting planner is used, commission will not be paid to Group. Said commissions shall be paid to Group's Meeting Planner no later than thirty (30) days after Group's payment in full of the Master Account.

**Bill Torres** ("Event Planner") is eligible to earn an Event Planner Bonus for a qualifying event. The Event Planner's HHonors Account Number is **838704364**. For this Event, Event Planner is eligible to earn TWO HHonors bonus point for every eligible dollar spent, up to a maximum award of 200,000 HHonors bonus points. Eligible revenue will include **sleeping rooms and food and beverage to the master account** up to a maximum of \$100,000 of eligible revenue. Full details and rules regarding the Event Planner Bonus Program are available by visiting [www.hilton.com](http://www.hilton.com).

#### Disclosure of Third Party Payments

If we agree to pay a commission, rebate, subsidy, housing fee and/or Event Planner Bonus (collectively, a "Third Party Payment") in connection with your Event, then you (and your Meeting Planner if the Meeting Planner is signing the Agreement on your behalf) agree to take full responsibility for determining whether further disclosure of the Third Party Payment is required and for making such disclosure if it is required, and you (and your Meeting Planner if the Meeting Planner is signing the Agreement on your behalf) further agree to reimburse us for any fees, costs, liabilities or expenses that we incur should any person claim that disclosure was insufficient.

#### Banquet Services

Group has agreed to hold the food and beverage events set forth in the Schedule of Events or to provide \$40,000 in total anticipated catered food and beverage revenue. The following mandatory timeline relates to final menus and program meal functions:

- Given that food and beverage prices fluctuate in accordance with market conditions, menu prices for planned food and beverage functions will be established not earlier than **six (6) months** prior to your Event. At that time, we will confirm in writing your menu prices for your planned food and beverage functions.
- In order to confirm meeting room assignments, no later than **90 days** prior to your major arrival day, we require that you re-confirm your programmed meal functions and anticipated number of attendees. At that time, we will re-confirm in writing your Schedule of Events. After that date, the Hotel will release any meeting space in your Schedule of Events not assigned to a specific meeting or function for your Group. We may continue to hold such meeting rooms if you advise us in writing that you will guarantee payment of such meeting rooms to the Master Account. If you have not guaranteed such meeting rooms, you agree that Hotel may offer unused meeting rooms held on your behalf to other customers.
- At **90 days** prior to your arrival date, we will review the number of requests for room assignments that have been made by your attendees in order to compare your obligations herein with your actual likely performance. Should it appear at that time that the actual number of attendees will fall below the attendance we expect based upon your reserved Room Block, the Hotel reserves the right to assign alternate meeting space commensurate with your reduced space needs as indicated by your attendees' requests for room assignments.
- Your Event Manager will contact you at least **thirty (30) days** before your Event to review and re-confirm the details for your Event, including menus, decorations, entertainment and beverage service. We require that your final menu selections and room set specifications be completed and received at least **thirty (30) days** prior to your major arrival day.
- If for any reason you do not provide the Hotel with your final menu selections and room set specifications at least **thirty (30) days** prior to your major arrival day, Group will be ineligible to receive any Food and Beverage discounts as provided for elsewhere in this Agreement.
- If for any reason your final menu selections and room set specifications are provided to the Hotel **fourteen (14) days** or less prior to your major arrival day, Hotel may, in our sole discretion, make Chef's Selections for food product based on your delayed submission of final menu selections, and you agree to accept such substitutions.
- Due to supply chain logistics that are out of the control of the Hotel including seasonal availability of product, holidays and weekends, if for any reason you do not provide the Hotel with your final menu selections and room set specifications at least ten (10) days prior to your major arrival day, the Hotel will assess an extra fee equal to \$1.00 per menu per person to offset extra costs Hotel may incur when placing expedited food product orders to Hotel's suppliers.

- Upon review of your final menus and Event requirements, Event Orders will be sent by Hotel to you within **five (5) business days** to confirm all final arrangements and prices, which Event Orders will serve as a part of this Agreement. If you do not advise Hotel of any changes on the Event Orders by the date requested by Hotel, you agree that the Event Orders will be considered accepted by you as correct and you will be billed accordingly.
- At least **72 hours (three days)** before your Event, you must inform us of the exact number of people who will attend your Event functions by contacting your assigned Event Manager by email or phone. Guarantees by text message cannot be accepted. We will not undertake to serve more than **3%** above this guaranteed minimum.

#### Supplemental Surcharges

Supplemental surcharges are charges added to your Master Account bill to pay for costs incurred by the Hotel in connection with additional equipment, administration, and staffing necessary for the Event. These surcharges will be solely retained by the Hotel and are not distributed to hourly or tipped employees. Examples include, but are not limited to, early sets, late end times, outdoor venues, resets, refreshes, cleaning and other service that require staffing above normal levels and/or services outside of the normal scope contracted and paid products and services.

#### Outside Contractors

Should you elect to utilize outside contractors on Hotel premises during your Event, you must notify us at least ten (10) days in advance of your Event. We may require that your outside contractors sign a hold harmless, indemnification and insurance agreement in the form currently in use at the Hotel for similar outside contractors, and provide proof of insurance in amounts acceptable to us (amounts and types of insurance to be determined in our sole discretion based on the type of services the outside contractor will be providing) before the outside contractor will be allowed to provide services on our Hotel premises. In some instances, despite your use of an outside contractor, Hotel may be required, pursuant to obligations imposed on Hotel by labor unions or collective bargaining agreements, to utilize Hotel labor to provide certain services, and you agree to pay the fees and/or charges associated with these services. Upon request by Group, Hotel will disclose prior to the Event those services that are required to be performed by Hotel labor (if any) as well as the potential fees and charges associated with such Hotel labor usage.

The hotel has the following providers:

**Freeman** is our preferred general services contractor. Freeman provides services related to Exhibit Hall Booth Cleaning and Drayage. Please refer to the Hilton Riverside exhibit services addendum for details and fees.

**Nicole Sostarics – Account Executive**  
Email: [nicole.sostarics@freemanco.com](mailto:nicole.sostarics@freemanco.com)  
P: (504) 731-1206 F: (504) 731-1214

**PSAV** is our preferred in house contractor. PSAV is the **exclusive** provider of all services related to House Sound, Rigging, Banner Hanging, Electrical/Power, Meeting Room Internet and Telecommunications.

**Shari L. Harrison, Director of Sales**  
Email: [slharrison@psav.com](mailto:slharrison@psav.com)  
P: (504) 592-8000 F: (504) 592-8001  
Website: [www.psav.com/hiltonriversideneworleans.com](http://www.psav.com/hiltonriversideneworleans.com)

**FedEx Office Print and Ship Center** is our in house Business Center. The FedEx Office Print and Ship Center® in the Hilton New Orleans Riverside Hotel offers you virtually everything you need to meet your convention exhibiting needs: from packing and shipping to signage, copying and last-minute office supplies

**April Cary, Event Solutions Consultant**  
Email: [april.cary@fedex.com](mailto:april.cary@fedex.com)  
P: (504) 581-5892 ext. 9  
Website: <http://www.fedex.com/us/office/services/conventions/locations/hilton-riverside-new-orleans.html>

Hilton group customers are entitled to the following discounts at the business center currently managed by FedEx Office Hilton New Orleans Riverside

#### Handling and Delivery Fees

##### Discount Level

10% off list pricing  
20% off list pricing  
30% off list pricing

##### Minimum Quantities

10 boxes or 5 pallets or more  
25 boxes or 10 pallets or more  
100 boxes or 20 pallets or more

#### Printing, Copying and Signs/Banners Production

##### Discount Level

30% off retail pricing

##### Minimum Quantities

Must place order at least 3 days prior to project pick-up

It is our understanding you want to establish credit with us for the Master Account charges for this Event. Please complete the enclosed credit application and return it to Credit Manager. If the application is not received by **4/11/2021** or not approved, you agree that the **total estimated Master Account charges** are to be paid by company check, certified check or wire transfer for the entire estimated charges no later than **30 days** in advance of Group's arrival date. On receipt and approval of the credit application, a Master Account will be set up for this Event. We would like to review this account with you daily and have charges approved in writing by you or your designee to eliminate discrepancies,



however failure on your part to review charges while on site will not be a basis for disputing any charge. Group agrees to the following deposit schedule:

DEPOSIT SCHEDULE		
	Due Date	Amount
Initial Deposit	August 30, 2018	\$1000

If credit has not been approved for your Event, then no later than 30 days in advance of arrival, or **6/11/2021**, you will either provide us with a valid credit card to which all remaining estimated Master Account charges will be charged on that date, or provide payment of all remaining estimated Master Account charges by company check, certified check, wire transfer or credit card.

We reserve the right to increase the amount of deposits and/or pre-payments should there be a negative change in your financial status, even if credit had previously been approved. If advance payments or deposits are not paid on a timely basis, the Hotel will have the right, at our option, to consider the Agreement cancelled and we will be entitled to cancellation damages as provided in this Agreement.

If you are paying by credit card, we request that you provide us with your credit card information at the time of your Event so that we may charge the credit card account at departure. If any charges are disputed, you agree to provide us with an itemized list of disputed charges so that we may charge the undisputed charges to the credit card account immediately and the remainder will be charged upon resolution.

If payment of all undisputed charges is not received within thirty (30) days after your receipt of the final invoice, a finance charge of 1.5% per month, or the maximum amount allowed by law, whichever is less, will accrue on the unpaid, undisputed amount, commencing on the date of receipt of the final invoice. You will submit to us an itemized list of any disputed charges within fifteen (15) days of receipt of the final invoice, or else all disputes are waived. If any charges are disputed, all undisputed amounts will be paid within thirty (30) days and the parties agree to work in good faith to resolve the disputed invoiced charges in a timely manner, and you agree to pay the remainder immediately upon resolution of the dispute.

#### Sleeping Room Performance Policy

The Total Sleeping Room Nights Reserved under this Agreement will generate \$90,932 in revenue for Hotel ("Total Anticipated Sleeping Room Revenue"). If you do not use all of the sleeping rooms in your Room Block, you agree that the Hotel will suffer damages because the Hotel will have lost the opportunity to offer your unused rooms to others either individually or as part of another block and the Hotel will incur additional costs in attempting to resell inventory that was already sold to you. The parties agree that since the exact amount of such damages would be difficult to determine, the liquidated damages clauses provided for in this Agreement are a reasonable effort by the parties to agree in advance on the damages that the Hotel will suffer due to your lack of performance. Therefore, if the contracted Event is held as scheduled, Hotel will not seek sleeping room performance damages if Group achieves a minimum of **80%** of the Total Anticipated Sleeping Room Revenue.

#### Complimentary Rooms

In consideration of your guest room commitment, we are pleased to extend one (1) complimentary room night per every **40** revenue room night actually utilized within your official Room Block by your Group (excluding staff and complimentary accommodations). Group should provide a list of names in order of preference for complimentary room assignment as units have no value following event dates.

In order to compute "revenue room nights" for all purposes under agreement, the following chart will apply. This chart shows the credit that group will receive for the use for one night of the various kinds of rooms available as follows:

#### Hilton New Orleans Riverside

Guest Rooms (Standard/Deluxe)	1 unit
Premium level guest room	1.5 units
Standard Suite Parlor Only	2 units
Premium Suite Parlor Only	4 units
29 <sup>th</sup> Floor guest room	3 units
29 <sup>th</sup> Floor suite parlor only	6 units

#### Anticipated Sleeping Room Revenue

Should Group achieve less than this amount, Group agrees to pay to Hotel, as reasonable liquidated damages and not a penalty, the difference between **80%** of the Total Anticipated Sleeping Room Revenue and the actualized guest room revenue received by Hotel for rooms used and paid for as part of the official Room Block, plus any applicable state and local taxes as required by law, as a reasonable estimate of the Hotel's losses on sleeping rooms, ancillary revenue, costs of sale and other losses. All estimated sleeping room performance damages will be due and payable to the Hotel no later than **seven (7)** days prior to Group arrival date, regardless of Master Account credit status. We will deduct all collected non-refundable individual deposits, all collected early departure fees, and all advance payments and deposits previously paid by you to us from the amount you owe us as sleeping room performance damages.

#### Food and Beverage Performance Policy

The guestroom rates and concessions outlined are based on Group's guaranteed expenditure of a minimum of \$40,000 in banquet food and beverage, excluding taxes, gratuities and service charges ("Total Anticipated Food and Beverage Revenue"). The Total Anticipated Food and Beverage Revenue amount does not include gratuities, service charges, supplemental surcharges, applicable federal, state or local taxes or any other fees outside of food and beverage product sales. Should you fall short of this Total Anticipated Food and Beverage Revenue, whether due to reduction in size of your meeting, drop in attendance, change in food and beverage functions or otherwise, you agree that the Hotel will suffer damages that will be difficult to determine. Therefore, you agree that you will pay the Hotel, as liquidated damages and not as a penalty, the amount equal to the difference between the guaranteed Total Anticipated Food and Beverage Revenue and the actual food and beverage revenue amount received by Hotel for your Group's banquet food and beverage functions during your Event dates, plus any applicable state and local taxes as required by law. You agree that this charge is a reasonable estimate of the Hotel's losses on food and beverage.

For example, if the Total Anticipated Food and Beverage Revenue is contracted at \$40,000 and if the actual expenditure during the Event is \$38,000 then the food and beverage performance damages will equal \$2,000 (\$40,000 - \$38,000).

Once food and beverage functions have been established under the Event Orders sent to you by the Hotel, performance damages for food and beverage will be determined separately based on the terms of the Event Orders if the anticipated food and beverage revenue under the Event Orders is higher. At the time Event Orders are prepared, Hotel will advise Group if the food and beverage selections based on the Event Orders will achieve the Total Anticipated Food and Beverage Revenue. If not, the Hotel will provide Group with food and beverage options that would achieve the Total Anticipated Food and Beverage Revenue. Group will then have the option of either altering the Event Orders to achieve the Total Anticipated Food and Beverage Revenue, or paying the estimated food and beverage performance damages pursuant to this Food and Beverage Performance Policy.

All estimated food and beverage performance damages will be due and payable to the Hotel no later than **seven (7)** days prior to Group arrival date, regardless of Master Account credit status.

#### **Cancellation Policy**

Hotel has offered the favorable sleeping room rates and other concessions in this Agreement based upon the Total Anticipated Revenue for your Event, plus additional revenue that the Hotel anticipates we would receive from providing additional services to the Group and your attendees at additional charge. If this Agreement is cancelled by Group, the parties agree that the Hotel will have lost the revenue represented by this Agreement, and also the opportunity to offer your unused facilities to others either individually or as part of another block and we will incur additional costs in attempting to resell inventory that was already sold to you. The parties agree that since the exact amount of such damages will be difficult to determine, the liquidated damage clauses provided for in this Agreement are a reasonable effort by the parties to agree in advance on the damages that the Hotel will suffer due to a cancellation. Therefore, Group agrees that should Group cancel your Event for any reason other than due to a valid Impossibility occurrence, including changing your meeting site to another hotel, Group will pay as liquidated damages to the Hotel a percentage of the Total Anticipated Revenue for your Event, plus any applicable state and local taxes as required by law, as follows:

<b>Date of Hotel's Receipt of Cancellation Notice</b>	<b>Percentage of Total Anticipated Revenue</b>	<b>Amount of Cancellation Damages</b>
Cancellation between date of signing and <b>June 11, 2019</b>	10%	\$13,093
Cancellation between <b>June 12, 2019</b> and <b>June 11, 2020</b>	45 % =	\$58,919
Cancellation between <b>June 12, 2020</b> and <b>date of arrival</b>	65 % =	\$85,105

**Total Anticipated Revenue** for this Event is **\$130,932**

The parties agree that the sliding scale of damages above is intended to reflect that the closer in time to the date of your Event that a cancellation occurs, the less likely it is that Hotel will be able to replace any or all of your business with comparable business. Therefore, no analysis of resale or mitigation will be required and damages will be due as set forth below.

Payment of cancellation damages is due within 30 days following your written notice of cancellation to us. We may consider your notice of cancellation to be invalid and thus may not release accommodations held until payment of the applicable cancellation damages is received; therefore delay in payment may result in higher cancellation damages owed.

You may request that we prepare a statement detailing the applicable cancellation damages payment, plus any applicable state and local taxes. We will subtract any advance payments and deposits previously paid by you to us.

#### **Cancellation by Hotel**

In the event that the Hotel cancels this Agreement for reasons other than a breach by Group or as otherwise expressly provided for elsewhere in this Agreement, then Hotel will pay group 20% of the value of the meeting or \$26,186 to recover all reasonable and documented direct and consequential damages incurred by Group that would not have been incurred if Hotel had not cancelled the Agreement.

#### **Impossibility**

Neither party shall be responsible for failure to perform this Agreement if unanticipated circumstances beyond their reasonable control (including, but not limited to: acts of God; terrorist attacks in the city in which Hotel is located; or declared war in the United States) make it illegal or impossible for the Hotel to hold the Event. The affected party may terminate this Agreement without liability upon written notice to the other party within ten (10) days of the occurrence.

#### **Indemnification**

To the fullest extent permitted by law, Group agrees to protect, indemnify, defend and hold harmless the Hotel, Hilton Worldwide, Inc. and the Hotel's Owner, and their respective owners, managers, partners, subsidiaries, affiliates, officers, directors, employees and agents (collectively, the "Hotel Indemnified Parties"), from and against any and all claims, losses or damages to persons or property, governmental charges or fines, penalties, and costs (including reasonable attorney's fees) (collectively, "Claim(s)"), in any way arising out of or relating to the Event that is the subject of this Agreement but only to the extent any such Claim(s) arise out of (i) the negligence, gross negligence or intentional misconduct of Group's employees, agents, contractors, or attendees, or (ii) a violation or breach of any of the terms and conditions of this Agreement by Group or any related act or failure to act by Group, including but not limited to the obligation of compliance with applicable laws or regulations. Nothing in this indemnification shall require Group to indemnify the Hotel Indemnified Parties for that portion of any Claim arising out of the negligence, gross negligence or intentional misconduct of the Hotel Indemnified Parties. This section shall survive any termination or expiration of this Agreement.

You agree to maintain insurance reasonably commensurate with all activities arising from or connected with your Event, including, but not limited to, general liability insurance, with limits not less than \$2,000,000 per occurrence, covering personal injury, property damage, and other liability arising from your Event. You further agree to add Hotel, Hotel's Owner, and Hilton Worldwide, Inc. as additional insureds under all applicable policies for your Event. Please check with the Hotel to confirm which parties must be named as additional insureds on your insurance certificate(s). With respect to any claims or other liability for which you are responsible, your insurance will apply as primary to any insurance maintained by the Hotel Indemnified Parties.

Hotel agrees to maintain general liability insurance with limits not less than \$2,000,000 per occurrence, covering liability for personal injury, property damage, liquor liability, and automobile liability, as well as Workers Compensation insurance per applicable laws and Employers Liability insurance.

Upon written request, each party shall make evidence of coverage available to the other party. For hotels that participate in Hilton Worldwide's general liability insurance program, proof of Hotel's insurance coverage is satisfied by a Memorandum of Insurance available at: <http://www.marsh.com/moi?client=0291>. The Hotel can confirm whether they participate.

#### Governing Law

The Agreement will be governed by and interpreted pursuant to the laws of the state in which Hotel is located, excluding any laws regarding the choice or conflict of laws.

#### Dispute Resolution

The parties will use their commercially reasonable efforts to informally and timely resolve any dispute concerning any matter related to this Agreement by presenting the dispute to senior representatives of Hotel and Group for their discussion and possible resolution in the order set forth herein; *provided, however*, a dispute relating to patents, trademarks, trade dress, copyrights, trade secrets, and/or infringement of intellectual property rights shall not be subject to this provision. All negotiations pursuant to this section are confidential and shall be treated as compromise and settlement negotiations for purposes of applicable rules of evidence. If within a period of thirty (30) calendar days after submission of a disputed matter in accordance with this clause, the respective senior representatives are unable to agree upon a resolution of such dispute, then the dispute will be resolved by arbitration using one arbitrator before JAMS or the American Arbitration Association in the state and city in which Hotel is located, or the closest available location. The parties further agree that in any arbitration proceeding, they may conduct reasonable discovery pursuant to the arbitration rules, and any arbitration award will be enforceable in State or Federal court.

#### Collection/Attorney's Fees

The parties agree that the prevailing party in any arbitration or court proceeding arising out of or related to this Agreement will be entitled to recover an award of its reasonable attorney's fees and expert witness fees, costs and pre and post judgment interest at the highest available legal rate. The parties further agree that if Hotel must retain counsel or initiate arbitration or legal action to collect of any monies owed to Hotel by Group under this Agreement, whether or not an arbitration or court action is filed, Hotel will be entitled to recover its attorney's fees incurred in such efforts to collect.

#### Construction:

Hotel will promptly notify Group of any construction or remodeling to be performed in Hotel over the Event Dates other than routine maintenance and Hotel will use all commercially reasonable efforts to insure that any such occurrence will not materially interfere with Group's use of Hotel. Should construction or remodeling be mutually determined by Group and Hotel to materially interfere with Group's event, Group will have the right to terminate this Agreement without liability with written notice to Hotel as long as such notice is given within 30 days of Group's receipt of notice of such construction or remodeling.

No additional charges not specified in this agreement will be incurred by Group for work performed and/or services provided without a written addendum signed by an authorized representative both parties.

APMS Nominating Committee Report  
July 3, 2018  
John Madsen, Chair

Committee: John Madsen (Chair), Todd Olson, Gray Turnage, Ryan Thum, Rob Richardson.

The nominating committee performed their tasks before the Mid-Winter Board meeting in January 2018.

The Nomination Committee recommended the following candidates for nomination to the Board of the Aquatic Plant Management Society for election at the annual business meeting in July 2018:

**Ryan Wersal, Vice President**

**Marc Bellaud, Director**

**Amy Ferriter, Director**

The board approved this slate, which was duly published in the newsletter and the slate will be voted on by the membership at the Annual Business Meeting.

Biographical information on the three candidates is below.

**Ryan M. Wersal, Ph.D.**

Dr. Wersal is currently the Aquatic Plant Scientist at Lonza in Alpharetta, GA. In his current role, he coordinates the interaction between the surface water business unit and research and technology personnel. Dr. Wersal oversees the 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, verify efficacy of new products, and to develop the most effective use pattern for Lonza's herbicides and algaecides. Dr. Wersal has a Bachelor of Science degree in Biology from Minnesota State University, Mankato, MN; a Master of Science degree in Biology from Minnesota State University, Mankato, MN; and a Doctor of Philosophy degree in Weed Science from Mississippi State University, Starkville, MS. Dr. Wersal has been working 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 to 2007), serves on the Publication Committee (2006 to present), served on the Student Affairs Committee (2007 to 2009), Chair of

the Website Committee (2010 to 2014), served on the Education and Outreach Committee (2011 to 2017), serves on the Awards Committee (2014 to present), Director on the Board of Directors (2014 to 2017), serves on the Finance and Scholastic Endowment Committee (2017 to present), 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 where he served as Editor and Chair of the Editorial Committee (2007 to 2014), serves on the Editorial Committee (2007 to present), Chair of the Website Committee (2008 to 2014), serves on the Scholarship Committee (2013 to present), Chair of the Program Committee (2015 to 2016), President-Elect (2015 to 2016), President (2016 to 2017), and Past-President (2017 to 2018). He has also been a member of the Western Aquatic Plant Management Society, Texas Aquatic Plant Management Society, Northeast Aquatic Plant Management Society, and MidWest Aquatic Plant Management Society. Dr. Wersal served on the Student Affairs Committee for the Midwest APMS (2013 to 2016).

He currently serves on the Weed Science Society of America's Website Committee (2011 to present), serves on the Invasive Plant Science and Management Editorial Committee (2014 to present), served on the Public Awareness Committee (2012 to 2015), and was an invited member of the ad hoc Strategic Planning Committee (2014 to 2015). Dr. Wersal was a Board of Representative Member for the Council for Agricultural Science and Technology (CAST) (2011 to 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 to present) and Invasive Plant Science and Management (2014 to present); and serves on the Editorial Board of Directors for the Journal of Freshwater Ecology (2011 to present).

### **Marc Bellaud**

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 initially 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.

## **Amy Ferriter**

Amy Ferriter is an environmental professional with more than 25 years of experience in the invasive species management field. 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, which now serves as a model for other western state programs. 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 degree (Biogeography) and master's degree (Geographic Information Systems and Remote Sensing) were both earned at Florida Atlantic University (Boca Raton, FL). Amy's graduate work focused on documenting the explosive spread of *Melaleuca quinquenervia* in South Florida in the early 1990s. She is now pursuing a PhD in Public Policy and Administration at Boise State University (Boise, ID), 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 has produced more than 100 reports for state, federal and international governments. She has provided 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 (WAPMS).

Amy.Ferriter@cpsagu.com, (509) 993-7490.

## Program Committee Report

Chair Craig Aguillard has several committee members that assisted in securing the many great speakers for this years meeting. The program is complete with 28 student presenters both Oral and poster presentations from 8 Universities at this year's meeting. Most of the abstracts submitted were used to fill the program, with only a few submitted that were better suited for a Regional type of meeting. The WSSA site for submission is great and worked very well. I would like to thank the Program committee members, Linda Nelson, Mark Heilman, Sherry Whitaker, Meg Modley, Mike Greer. They made everything work very smooth and I am very grateful for their help.

## Proposal Review Committee Report

Aquatic Plant Management Society, Summer Preconference Board Meeting, July 2018

Revised report 7/5/2018

Committee: John Madsen (Chair), Craig Aguillard, Jeff Schardt, Jeremy Slade, and Ryan Wersal

1. The Proposal Review committee had three proposals referred to them under the new guidelines for proposal review. All proposals without a committee designation are sent to the Proposal Review committee for consideration.

2. The first proposal was a request from TVA to support TVA Plant Camp during August 2018 for an unspecified amount. Our committee voted unanimously to recommend to the APMS board that the APMS sponsor the TVA Plant Camp at the \$1,000 level for 2018.

Rationale: Plant Camp provides a significant opportunity to train teachers concerning invasive aquatic plants and aquatic plant management. We have supported Florida Plant Camp for a number of years, with the idea that if other entities or universities initiate similar programs, we can consider separately if they merit support. TVA has demonstrated already that they can operate a successful plant camp.

3. The second proposal was a request from the BASS Special Representative, Gerald Adrian, that APMS contribute \$1,500 to BASS for the 2019 conservation summit banquet. This request was unanimously passed by the committee. The recommendation is that APMS contribute \$1,500 to BASS for the 2019 conservation summit banquet.

Rationale: APMS has supported this luncheon annually for several years, and it provides a good opportunity to get out the message of responsible aquatic plant management to a major stakeholder group that, in the past, has been opposed to APM activities.

4. The third proposal as also a request from the BASS Special Representative, Gerald Adrian, for APMS to contribute \$3,000 towards a proposal from Gray Turnage of Mississippi State University to develop and hold a workshop for High School Bass Team Coaches on restoring native aquatic plants for bass habitat. It would include information on aquatic plant management. The total cost of developing the workshop is \$13,400; Gerald is suggesting that APMS and AERF each contribute \$3,000 to this effort and other sponsors would be found for the remaining \$7,400. The motion before our committee was that APMS partner with other organizations to contribute UP TO \$3000 for the high school bass coaches' symposium. It is unclear what ongoing costs after 12 months would be, if any. Our committee was initially split with 2 votes in favor and 2 votes opposed, so the chair voted affirmative. The final vote was 3 in favor, 2 opposed. The rationale of the two opposing votes is as follows:

a. This proposal needs more discussion with the board as it is more than we normally donate for these type of functions.



b. The High School Bass Coaches Symposium proposal may require additional discussion with the Board since this may be a shift from recent APMS funding of BASS vegetation planting projects. The symposium has some quality aspects, bringing basics of aquatic plants and management options to students that are involved in activities directly related to aquatic environments. The proposal is weighted with time and resources toward habitat restoration; a management strategy that may have minimal practical value, especially in SE lakes. Florida Plant Camp is able to provide insight to aquatic plant revegetation in a one-hour hands-on session on vegetation planting - in pots for research and in mats/pots for restoration.

This proposal is for \$3,000. APMS provides Florida and TVA Plant Camp sponsorship at \$1,000 each. We need to remember the lengthy discussion about providing a GSRG in 2018. Annual Meeting income may be \$20,000 lower in 2018 than 2017. So, we may already be operating with negative income. Would BASS be providing ~half of the ~\$13,600 sponsorship since it is directed toward anglers and is weighted toward restoration; an effort the BASS has been promoting in recent years? Will the BASS Coaches Symposium become an annual/biannual event? If APMS funds this activity, would we stop funding the Conservation Award?

#### Motions:

1. The proposal committee makes the motion for APMS to sponsor TVA Plant Camp at the \$1,000 level for 2018.
2. The proposal committee makes the motion that APMS contribute \$1,500 to BASS for the 2019 conservation summit banquet.
3. The proposal committee makes the motion that APMS partner with other organizations in contributing UP TO \$3000 for the high school bass coaches' symposium.

May 7<sup>th</sup>, 2018



John Madsen, Proposal Committee Chair  
Aquatic Plant Management Society  
UC-Davis Plant Sciences, Mail Stop 4  
Davis, CA 95616

Dear Dr. Madsen,

I am writing you concerning a partnership opportunity with the Tennessee Valley Authority (TVA). More specifically, TVA is looking for sponsors for its upcoming TVA Plant Camp, a workshop designed to provide educators with information, instruction, and hands on experience regarding the impacts of invasive species to our terrestrial and aquatic ecosystems. Based upon the foundation developed by the University of Florida (Florida Plant Camp), TVA Plant Camp has hosted 24 educators each summer since 2015. The 4-day workshop is held annually by TVA and its partners and is provided at no cost to upper elementary, middle, or high school teachers and environmental education coordinators throughout the Tennessee Valley (AL, KY, TN, NC, GA, MS, and VA). The workshop provides Continuing Education Units (CEUs) for teacher professional development as well as material meeting individual State Standards. All lodging, food, and registration is covered at no cost to the attendees. Furthermore, TVA also aids with substitute assistance and travel in certain circumstances. The workshop gives teachers the background and materials to teach students about environmental and economic impacts of invasive species in and on local lands and waters. Teachers are selected through a competitive application process. Please see the accompanying flyer for more information regarding TVA Plant Camp 2018.

In the past, the event has been co-sponsored at various levels (staff time, funding, etc) by the Aquatic Ecosystem Restoration Foundation, Mississippi Department of Natural Resources, and the MidSouth Aquatic Plant Management Society. I am aware of the Aquatic Plant Management Society's commitment to education and outreach regarding aquatic plant management and science, thus I believe this to be a wonderful opportunity in which the Society might want to be involved. We have spoken with many members of APMS regarding TVA Plant Camp, many of which have chosen to commit their time and expertise to helping out with Camp this year. As a Society, we are asking whether APMS would be interested in sponsoring any events or activities at the below sponsor levels –

- **\$2,000** – Gold Level
- **\$1,000** – Silver Level
- **\$500** – Bronze Level

Any donation will be used strictly for covering camp expenses (food, lodging, and/ or materials for attendees). Should APMS choose to participate in this year's event as a sponsor/ partner at any level, please contact me directly with the amount of your donation. Furthermore, if the Board requests additional information, please do not hesitate to let me know.

Sincerely,

Brett M. Hartis, Ph.D.  
Program Manager  
Aquatic Plant Management Program  
Tennessee Valley Authority  
bmhartis@tva.gov  
Phone: (256)-891-6607  
Fax: (256)-891-6601  
Cell: (256)-426-3117

# TVA PLANT CAMP

September 11<sup>th</sup> - 14<sup>th</sup>, 2018 • Lake Guntersville State Park, AL



See What an Invaded Reservoir Looks Like!



Take an Air Boat Tour of a TVA Reservoir!



Sharpen Your Plant ID Skills!

Workshop limited to 24 educators. Open to upper elementary, middle, and high school teachers. In the Tennessee Valley. Applications accepted until **August 10<sup>th</sup>, 2018.**

- Learn about native, non-native, and invasive plants
- Gain hands-on field experience with aquatic and wetland plant biology
- Study the ecology of plants in Tennessee Valley natural areas
- Practice plant identification techniques
- Discover impacts of invasive plants on the Tennessee Valley's ecology and economy
- Earn Continuing Education Credits!
- **NO FEES!!! - Lodging and Meals provided!**

## Why learn about invasive plants?

When a non-native plant species spreads on its own, causing environmental and/or economic harm, it is considered invasive. In the Tennessee Valley, invasive plant species are clogging flood control structures, causing navigation problems on reservoirs and rivers, harboring mosquitos, impacting lake users, degrading waterfowl habitat, and covering other valuable fish and wildlife habitat. Managing invasive plants is expensive, costing millions of dollars each year.

Prevention and education are needed to protect our waters and natural areas. That's why we are seeking the help of educators to bring this important topic to the classroom. Join us this September to learn about the numerous invasive plant (and animal) species silently invading the Tennessee Valley's water bodies.

Along the way, learn about the wild and wonderful native flora and fauna that make the Tennessee Valley a unique place to live and a world-famous travel destination.

**For More Information Contact: Dr. Brett M. Hartis**

Phone: 256.891.6607

Fax: 256.891.6601

bmhartis@tva.gov

Brought to you by the Tennessee Valley Authority, Midsouth Aquatic Plant Management Society, Aquatic Plant Management Society, Aquatic Ecosystem Restoration Foundation in Cooperation with the University of Florida IFAS Center for Aquatic and Invasive Plants



# TVA PLANT CAMP 2018 Application

*Workshop made possible by the Midsouth Aquatic Plant Management Society, Aquatic Plant Management Society, Aquatic Ecosystem Restoration Foundation, and the Tennessee Valley Authority in cooperation with the University of Florida IFAS Center for Aquatic and Invasive Plants*

**Thank you for your interest in our annual** one-of-a-kind training workshop (for teachers only) about the Tennessee Valley's native, non-native and invasive plants. Applications will be accepted from **UPPER ELEMENTARY, MIDDLE** and **HIGH** school teachers.

**When: September 11<sup>th</sup> – 14<sup>th</sup>, 2018**

**Where: Lake Guntersville State Park – Guntersville, AL**

**IMPORTANT: All applications MUST be completed and sent to Dr. Brett Hartis by August 10<sup>th</sup>, 2018**

## **Complete Application MUST include:**

### **#1 Application Page**

- Complete the information found on the following page and all required documents. If unable to complete and send via email, please apply by mail or fax using this PDF application.

### **#2 Letter of Recommendation**

- Word DOC or Adobe PDF files only
- Upload a signed letter from your principal on school letterhead stating why you should be selected.
- The letter should include a brief description of your
  - (a) Teaching accomplishments
  - (b) Enthusiasm
  - (c) Evidence of interest in teaching about natural resources

### **#3 Statement of Purpose**

- Please limit to one page
- Word DOC or Adobe PDF files only
  - (a) Explain (using examples) how you will share your new knowledge and materials with students and fellow educators
  - (b) Provide information on lessons you have developed or use to teach about plants/environmental science
  - (c) Include brief documentation of workshops you may have taught to other educators

**Please fill in all fields below and have items #2 & #3 attached. Email or mail completed application to:**

**Brett M. Hartis, Ph.D.**

Program Manager

Aquatic Plant Management Program

Tennessee Valley Authority

3941 Brashers Chapel Road

Guntersville, AL 35976

[bmhartis@tva.gov](mailto:bmhartis@tva.gov)

Phone: (256)-891-6607

Fax: (256)-891-6601

# TVA PLANT CAMP 2018 Application

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Name \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_

Grade Level \_\_\_\_\_ Subject(s) you teach (2017-2018) \_\_\_\_\_ # Years \_\_\_\_\_

Home Mailing Address (\*Note: Please provide a physical mailing address so we can send materials, if needed.)

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Home Phone # \_\_\_\_\_ Cell Phone # \_\_\_\_\_

E-mail \_\_\_\_\_

School Name \_\_\_\_\_ School Phone # \_\_\_\_\_

School Address \_\_\_\_\_ City/State/Zip \_\_\_\_\_

Estimated number of students/teachers who will benefit from this training: Students \_\_\_\_\_ Teachers \_\_\_\_\_

How did you hear about TVA PLANT CAMP? : \_\_\_\_\_

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**COMPLETE the application above and send to the contact information provided. Thank you for all you do as an educator!**

### **Proposal Review Committee**

1. Be comprised of five members, consisting of the Immediate Past President, President-Elect, Treasurer, one Director, and one member-at-large. The committee will be chaired by the Immediate Past President, who will appoint the Director and the member-at-large.
2. The committee will review all proposals to the society of more than \$5,000, and all proposals regardless of cost that do not originate from a standing committee. The committee will not, however, review the Graduate Student Research Grant.
3. Upon review of the proposals, the committee will provide a written recommendation with justification to the board for final decision.
4. Therefore, proposals or recommendations from standing committees and ad hoc that require more than \$5,000 in expenditure will be referred to the Proposal Review Committee for review before the next meeting of the Board of Directors. These requests should be referred to the Proposal Review Committee at least four weeks before the next Board of Directors meeting. Proposals for less than \$5,000 from standing and ad hoc committees can be considered directly by the Board of Directors.
5. All proposals, recommendations, or motions from Special Representatives will be referred to the Proposal Review Committee at least four weeks before the next Board of Directors meeting.
6. All funding requests and unsolicited proposals without a parent committee should be directed to the Proposal Review Committee for consideration.
7. The Proposal Review Committee may confer in person, by conference call, or by email communication as deemed appropriate by the Chair. Notwithstanding the mode of communication, the discussion of proposals should endeavor to follow Roberts Rules of Order and operations standards of the Society.

## **Proposal for Funding from the Aquatic Plant Management Society**

**Title of Proposal:**\_\_\_\_\_

**Entity Requesting Funds:**\_\_\_\_\_

**Name:**\_\_\_\_\_

**Address:**\_\_\_\_\_

\_\_\_\_\_

**Phone:**\_\_\_\_\_

**Email:**\_\_\_\_\_

**Amount of Funds Requested:**\_\_\_\_\_

**Will Other Entities Share Costs for this Project?**\_\_\_\_\_

**Duration of Proposal:** (i.e. one-time, annual event, ongoing program)\_\_\_\_\_

**Attach a Detailed Description of Benefits to APMS Membership:**



## **APMS Strategic Planning Committee Report – 15 July 2018**

Chair: Mark Heilman, APMS Vice President

The 2017 – 2021 APMS Strategic Plan had the following major goals and key outcomes:

### **Goal 1: Develop and adhere to a comprehensive financial management plan that aligns with the APMS mission.**

Key Outcome: APMS will have the financial resources to support and sustain ongoing programs and new initiatives for advancing the society.

### **Goal 2: Design and implement a broad marketing and outreach plan.**

Key Outcome: APMS and its programs and impacts will be valued and well known by scientists, agency leaders, policymakers, applicators, and the general public.

### **Goal 3: Increase APMS membership and annual meeting participation.**

Key Outcome: APMS will be a vibrant organization for the exchange of information on aquatic plant and algae management with a membership that includes a high percentage of students, researchers, policymakers, and practitioners in the field.

### **Goal 4: Enhance the society's sustainability by sponsoring student initiatives and stimulating increased job opportunities in the field.**

Key Outcome: The flow of young scientists into the field of aquatic plant and algae management will be increased as evidenced by more student members and enhanced placement in relevant employment in the discipline.

Updates from Leadership Teams for each of these goals and progress on actions to achieve them are provided below. Overall, to accomplish any unmet Goal, each Team should strive for routine interactions and regular progress for future updates to the Board. Metrics of success established in the planning process should be considered. Discussion of that subject will be facilitated as part of the Board pre-conference update by the Strategic Planning Committee.

Goal 1: See update below from Leadership team

Goal 2: The Goal Leadership team of Todd Olson, Amy Kay, Jay Ferrell, Harry Knight, and Andrew Howell are discussing a preliminary proposal from a marketing firm for assistance with key actions including web and social media presence. Additional discussion by this leadership team is anticipated during the Buffalo conference but the latest version of the marketing proposal is attached for Board awareness and overview by Todd during the Board meeting.

Goal 3: See update below from Leadership team

Goal 4: See update below from Leadership team

## 2017 – 2021 APMS Strategic Plan Goal #1

### Action Steps:

- *Create a two-year reserve account of dedicated funds to be used only for emergency support for meeting cancellation or relocation.*

Status: The Minutes from the January 25, 2017 Board Meeting reflect that there shall be an emergency reserve of funds.

***John Rodgers motioned the Board to create a \$120,000 account for emergency reserve funds that can only be accessed by Board Action. Ryan Thum seconded the motion. The motion passed without dissenting vote.***

A separate account has not been established for the emergency support funds. The reserve funds are included in the General Account to continue to gain interest in the General Account. The reserve funds are itemized in the Treasurer reports, but there is no policy addressing the funds. Policy can be incorporated in the Operating Manual; placed as the first entry under Section F – **Financial Planning Policy**.

- *Decide the dollar amount to be held in the reserve account.*

Status: After much deliberation, the Board settled on \$120,000 as the dollar amount to hold in reserve for emergency use. See above Motion from the January 25, 2017 Board Meeting.

- *Cycle through the currently authorized Graduate Student Research Grant (GSRG) and reevaluate the APMS budget before approving an additional grant award.*

Status: The Treasurer provided updated balances for all APMS Accounts at the January 18, 2018 Board Meeting. After contemplating outstanding financial commitments (including current GSRGs) and net income from the 2017 Annual Meeting, the Board concluded there are sufficient Account funds to offer the long-established, even-number year GSRG in 2018.

***Mark Heilman motioned the Board to move forward with advertising the 2018 Graduate Student Research Grant (\$20,000 payments in January 2019 and 2020). Ryan Thum seconded the motion. The motion passed without dissenting vote.***

- *Create a stand-alone GSRG foundation/trust to fund a sustainable program.*

Status: The Bylaws and Resolutions Committee developed language to address changes to the Scholastic Endowment language in the Bylaws, Article XVI. The proposed new wording, to reflect the intent of the APMS Finance Committee along with a few administrative revisions offered by the Board is shown below. While the Board recommends this revision to the Bylaws, it must be approved by the general membership at the July 2018 Annual Business Meeting.

### **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.*

***Mark Heilman motioned the Board to approve the language amending Article XVI. Scholastic Endowment as revised. Todd Olson seconded the motion. The motion passed without dissenting vote.***

The Board passed two Motions at the July 16, 2017 Board Meeting (below) to increase funding in the Scholastic Endowment Account to fund the GSRG. The Motion to increase dues must be passed by the general membership at the Annual Business Meeting to become effective.

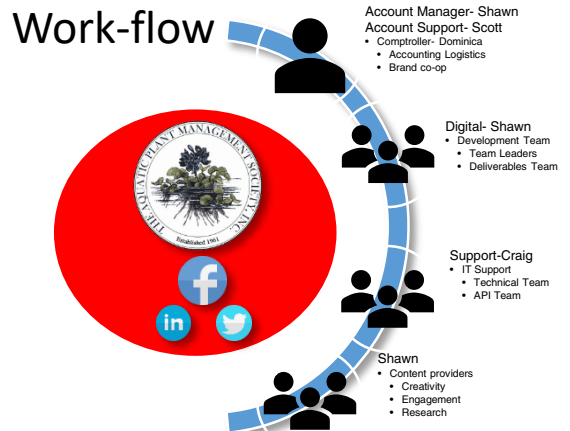
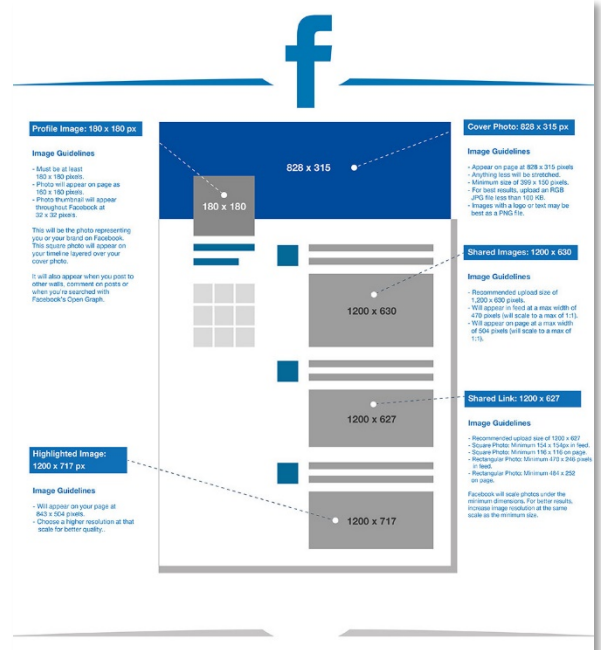
***Jeremy Slade motioned the Board to deposit half of the funds generated from Sustaining Membership annual dues to the Scholastic Endowment Account. Jeff Schardt seconded the motion. The motion passed without dissenting vote.***

***Jeremy Slade motioned the Board to increase Individual Membership dues from \$75 to \$95 with 20% of all Individual Membership dues to be deposited into the Scholastic Endowment Account. Ryan Thum seconded the motion. The motion passed with one dissenting vote.***

# IAGM ITS ALL GOOD MEDIA

## IAGM Scope of work

- IAGM estimated workflow
  - Direct client meeting to gather outline of work and direction of content
    - 1 hour
  - Create client's Facebook Business Manager Social
    - Client will provide content and direction
    - 4 hours
  - Create clients Facebook social artwork
    - Client will provide images and logos
    - To include Profile image 180x180
    - Cover Image 825x315
    - 3 hours
  - Create cross-platform link
    - IAGM will link existing social accounts with new account for equal content distribution
    - 2 hours
  - Cross platform branding
    - IAGM will create cohesive branding across existing social media
    - 2-4 hours
  - Training and Support
    - IAGM will remotely train client as well as temporary content help like students, authors, editors
    - 4-6 hours
  - Social Management
    - IAGM will oversee and recommend schedule posting and review and report
    - 2-4 hours per month
  - Social Calendar
    - IAGM will create a social posting calendar



# APMS Social

## Special, unique, one of a kind

Its All Good Media (IAGM), for well over a decade has put their clients in front of some particular people. From the ones who want to buy, from the most significant agricultural producers for doctors who wish to go scuba diving in San Salvador, to people who want to buy an \$18,000 toy, or a \$25,000 air conditioner. We grow brand recognition from the 10,000ft level and can drill down to a particular state, county, zip code, street, building all to hit the mark.



## Multi-media approach

Our multi-media approach is not a new concept, but we enforce best business practices to ensure success. The idea of who you want to reach and how to reach them becomes a numbers game that we know. Moreover, contact them, so they buy or interact with your company.

We hyper-target a very particular universe unique to your business, called Programmatic Advertising.



## The Goal

- Publish 1 to 2 White Papers annually
- Achieve 12,000 Social impressions annually
- Suggest Creative and report quarterly results



priveb®

## IAGM Project Team

Scott Hoffman- Founder IAGM [ScottHoffman@ItsAllGoodMedia.com](mailto:ScottHoffman@ItsAllGoodMedia.com)

Shawn Budd- Web-Tech [Web@ItsAllGoodMedia.com](mailto:Web@ItsAllGoodMedia.com)

Dominica Alvarez- Comptroller [DHALvarez@ItsAllGoodMedia.com](mailto:DHALvarez@ItsAllGoodMedia.com)

Project Budget \$2,000  
Additional time billed at  
\$75 per hour

## Website development

Complete full-service website development all in one solution; Content Management Systems, Customer Relations Management, eCommerce, Reporting & Analytics, Social Media Integration, Blogs





## APMS Social

### Audience Insights

We will deliver past and current insights for best practices.

### IAGM Reporting

Where we are at and where we need to go are very important, and with our reporting, we can show you what is happening as well as what we can plan for with our calendar view.

#### Highlights

New Users  
**1.03K**  
▲ 100% vs prev 162 days

Unique Users  
**1.05K**  
▲ 100% vs prev 162 days

Week 1 Retention  
**3.8%**

Median Session Length  
**1.2 seconds**  
▲ 100% vs prev 162 days

#### Growth Metrics

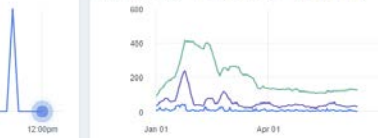
##### Active Users: Last 24 Hours

2 Unique Users ▼ 79% vs prev 1 day



##### User Activity

125 Monthly Users ✓ 28 Weekly Users ✓ 1 Daily Users ✓



##### Traffic Sources

Session Traffic Source	Unique Users
Search Engines	143
Direct	135

##### Search Traffic Sources

Session Traffic Source by Search Engine	Unique Users
Google	118
Bing	18

### IAGM Published Posts

Published Posts	Search...	Actions					
Posts	Privacy	Reach	Clicks/Actions	PPTP	Published		
<input type="checkbox"/> No person was ever...	Public	5	3	2	May 25, 2018 at 7:25pm		
<input type="checkbox"/> Why boy someone...	Public	5	1	0	May 16, 2018 at 2:45pm		
<input type="checkbox"/> My Liberty Loans...		4	2	1	Apr 25, 2018 at 6:28am		
<input type="checkbox"/> My Liberty Loans share...	Public	159	9	3	Apr 22, 2018 at 5:46pm		
<input type="checkbox"/> My Liberty Loans share...	Public	135	6	3	Apr 5, 2018 at 7:32am		
<input type="checkbox"/> My Liberty Loans share...	Public	71	4	1	Apr 3, 2018 at 9:17pm		
<input type="checkbox"/> Thank you REMN for...	Public	502	39	30	Apr 2, 2018 at 9:28pm		
<input type="checkbox"/> My Liberty Loans share...	Public	187	11	5	Mar 23, 2018 at 8:04pm		
<input type="checkbox"/> My Liberty Loans share...	Public	149	8	0	Mar 21, 2018 at 10:14pm		
<input type="checkbox"/> Ready To Move?	Public	153	4	3	Feb 23, 2018 at 1:39pm		
<input type="checkbox"/> A little Monday Motivation f...	Public	81	3	2	Feb 19, 2018 at 10:54am		
<input type="checkbox"/> If you are looking fo...	Public	80	4	3	Feb 17, 2018 at 10:58am		
<input type="checkbox"/> Happy Valentines	Public	72	0	0	Feb 14, 2018 at 1:36pm		

### IAGM Ads Posts

Ads Posts	Search...	Actions						
Posts	ID	Privacy	Reach	Engag...	Lifetim...	Date Created		
<input type="checkbox"/> Twilight Flights. Busy week...	10157539293584202	Public	4.3K	14	0	Jun 3, 2018 at 8:14pm		
<input type="checkbox"/> Hey Florida resident! Ev...	10157314901219202	Public	2.4K	21	1	Mar 27, 2018 at 9:29am		
<input type="checkbox"/> Hey Florida resident! Ev...	10157314980624202	Public	0	0	0	Mar 27, 2018 at 9:29am		
<input type="checkbox"/> Hey Florida resident! Ev...	10157314980099202	Public	0	0	0	Mar 27, 2018 at 9:29am		
<input type="checkbox"/> Hey Florida resident! Ev...	10157314976249202	Public	2.2K	18	2	Mar 27, 2018 at 9:29am		
<input type="checkbox"/> Hey Texas resident! Ev...	10157314976089202	Public	0	0	0	Mar 27, 2018 at 9:27am		
<input type="checkbox"/> Hey Texas resident! Ev...	10157314975079202	Public	0	0	0	Mar 27, 2018 at 9:27am		
<input type="checkbox"/> Hey Texas resident! Ev...	10157314974399202	Public	0	0	0	Mar 27, 2018 at 9:27am		
<input type="checkbox"/> Hey Texas resident! Ev...	10157314972779202	Public	0	0	0	Mar 27, 2018 at 9:27am		
<input type="checkbox"/> Hey Florida resident! Ev...	10157314950379202	Public	1	0	0	Mar 27, 2018 at 9:24am		
<input type="checkbox"/> Hey Florida resident! Ev...	10157314950104202	Public	0	0	0	Mar 27, 2018 at 9:24am		
<input type="checkbox"/> Hey Texas! My name is...	10157233359814202	Public	0	0	0	Mar 6, 2018 at 7:56pm		
<input type="checkbox"/> Hey Florida! My name is...	10157228442209202	Public	1.1K	12	1	Mar 5, 2018 at 3:14pm		

### **APMS Strategic Goal 3: Increase Membership and Annual Meeting Participation**

Leadership Team: Heilman, Mudge, Madsen

#### Update

Action Steps associated with this goal were established as:

- 1. Connect with regional chapters to compare membership lists and identify potential new members at both the regional and national levels.**
- 2. Update the membership brochure to highlight APMS membership benefits for regional chapter members and members of related professional societies.**
- 3. Offer regional members a dues discount for membership in APMS.**
- 4. Develop a plan for offering CEUs for workshops delivered at the conference or online.**
- 5. Continue presentations at regional meetings by the APMS president or his/her designee.**
- 6. Encourage members of related societies (e.g., NALMS) to become active member of APMS.**
- 7. Establish one or more positions on standing committees or the board for representatives from the Women of Aquatics organization.**

Progress on these actions will be reviewed individually:

- 1. Connect with regional chapters to compare membership lists and identify potential new members at both the regional and national levels.**

Earlier this year, Heilman contacted Regional Chapter Presidents asking for their last list of members (some chapters do have their lists online). This request received variable responses with some chapters quickly providing lists and others indicated Board authorization would be needed. It is suggested that the APMS President develop a short letter asking the chapters again for this information and reiterating the collaborative goals of the effort to compare member lists. Controls on use of this information could be provided along with any other key points for regional chapter Boards who feel a need to formally approve release of lists. A representative for each regional chapter should be requested to be point of contact with APMS and the Regional Chapter/Strategic Planning Committees on this activity. Once all information is released, the Leadership Team solicits any additional APMS Director/member help with assessing information and developing an outreach strategy to prospective new members. One concept that should be discussed is the option to sign up for regional chapter membership simultaneously with national membership application with different incentives for completely new members to either Society versus incentives for individuals with existing membership in either a Regional Chapter or the National.

**2. Update the membership brochure to highlight APMS membership benefits for regional chapter members and members of related professional societies.**

No formal action has been taken here and should be tied into Goal 2 (Marketing and Outreach). It is recommended that a deadline be set for brochure revision (end of 2018) and an adhoc committee of Directors/members be established to make this happen.

**3. Offer regional members a dues discount for membership in APMS.**

No action has been taken here and Board discussion is recommended with either a discount strategy adopted or a timetable set for development and adoption of a discount approach.

**4. Develop a plan for offering CEUs for workshops delivered at the conference or online.**

The 2018 conference is the first to offer CEUs. Efforts were made with assistance from NEAPMS certification coordinator Greg Bugbee to secure CEUs from 10 states including NY, which has by far the most onerous approval process. It is not anticipated that a large number of conference attendees will take advantage of the CEUs offered but it does bring incremental value to attendance and outcome should be discussed at the post conference Board meeting.

**5. Continue presentations at regional meetings by the APMS president or his/her designee.**

It is the thought of the incoming President Elect (Heilman) to attempt attendance all or most of the upcoming regional chapter meetings to enhance direct interactions with regional Societies and help define future initiatives that best align with Regional chapter goals and perspectives. Traditionally, this attendance has been by the President but there may be value in the incoming President who is also traditionally the upcoming national meeting Program Chair to interact with Regional Chapters before the start of a Presidential term. If any on the Board, particularly past Presidents of either the national APMS or the regional chapters have feedback here, it would be most welcome.

**6. Encourage members of related societies (e.g., NALMS) to become active member of APMS.**

Interactions have continued with NALMS to have a complimentary exhibits for each Societies meetings. NALMS continues to be the related Society with most overlap in mission and Board discussion of steps to enhance relationship and attract new members from NALMS would be useful.

WSSA interactions have been reduced of late due to changing faces involved with both Societies but Rob Richardson continues to represent APMS well with WSSA. The row crop focus of WSSA doesn't appear to align with attracting many future members. Any feedback on WSSA interactions beyond Rob's update would be helpful.



As has been noted had a strong presence at ISAP in New Zealand last February including a booth exhibit but it is not clear if that attracted new members or conference attendees (perhaps 1 or 2...feedback from Secretary Schardt or others would be useful). The 2019 APMS Program Committee will seek to find mechanisms to enhance international participation and would be open to Board suggestions to achieve that goal.

**7. Establish one or more positions on standing committees or the board for representatives from the Women of Aquatics organization.**

The current status here appears that WOA remains an excellent organization to have included in Board activities through a special representative (currently Amy Kay).

## **Strategic Planning Progress Report**

**Goal 4:** Enhance the Society's Sustainability by sponsoring student initiatives and stimulating increased job opportunities in the field

**Leadership Team:** Brett Hartis, Ryan Thum, Sam Sardes

**Implementation Progress:** The team has identified that many students who have actively worked within University are having difficulty finding directly related work in the field post-graduation. In many cases, students may secure jobs (short and long term) which are loosely related to aquatic plant science, but often not directly tied. This is most likely due to the "niche" nature of the science in general. The team continued individually looking at any internships and post graduate opportunities for active experience in the field.

The team has reached out to several agencies that currently have very active aquatic plant management programs, and gauged interest in development of a cooperative internship. TVA, Duke Power, and Santee Cooper have thus far shown interest in a program, perhaps rotating several students every couple of weeks to work with each entity. The hope is that a program of this type will give operational experience to students in aquatic plant management who would otherwise not be exposed to large scale programs. Not only will such a program provide on the job training in a technical sense, but also help students understand the political, social, and economic drivers behind these types of programs which ultimately dictate management approach.

**Future Goals:** The team plans to continue reaching out to large program which might be interested in participation with internships (FL FWC, USACE, etc). The team also plans to continue identifying potential employers within the science and making them aware of our goals to bring more students into the Society AND keeping those students involved beyond graduation.

Lastly, the team would still like to begin working with the Student Affairs Committee to find out more about the students who are currently participating in APMS. The team would like to discuss in what ways beyond the annual meeting that the Society can support job placement and long-term retention.

## STUDENT AFFAIRS COMMITTEE REPORT

**Date:** 5 July 2018

**Committee:** Christopher Mudge, Chair  
Brett Bultemeier  
Andrew Howell (Student Rep)  
Syndell Parks  
Leif Willey  
Ben Willis

**Participants:** We have 26 student presenters (16 oral presentations and 12 posters), 15 of which have never presented at an APMS meeting prior to the Buffalo conference. Students are currently enrolled or graduated from 9 Universities including Clemson University, Colorado State University, University of Florida, Louisiana State University, University of Minnesota, Mississippi State University, State University of New York, North Carolina State University, and University of Toledo.

**Accommodations:** Student rooms have been reserved by Bill Torres at the Hyatt Regency Buffalo Hotel and Conference Center for Sunday through Wednesday evenings, as well as the Embassy Suites in Buffalo for Thursday evening. Students attending the tour on Thursday and staying overnight will be relocated to the Embassy due to room unavailability at the Hyatt. Considerable time and effort went into assigning rooms so that rooms would be released as soon as possible based on arrival and departure dates. The confirmation numbers were emailed to the students.

**Meet and Greet:** On Sunday evening prior to the President's Reception, the students will gather for 1-hour to meet new attendees and reunite with old friends.

**Luncheon:** During the student luncheon on Monday July 16, Drs. John Madsen (USDA ARS ISPHRY), Deborah Hofstra (NIWA) and Christopher Mudge (USAERDC) will be our guest speakers. These individuals will share their roles in the society, job responsibilities, career opportunities, and other personal experiences.

**Judges:** The entire committee contacted numerous judging candidates and received confirmation from 6 oral presentation (Nathan Long, Brett Hartis, Carl Della Torre, Brett Bultemeier, Cary Martin, and Jay Ferrell) and 6 poster (Tom Warmuth, George Seldon, Julie Nachtrieb, Kaytee Pokrzywinski, Jake Britton, and Greg Bugbee) judges for student competitions. Our student rep, Andrew Howell, has coordinated with student participants to judge the non-student posters and exhibitor displays. Several students have already volunteered to judge these contests.

**Tour:** We will have 16 students, 2 chaperones (Mudge and Jon Gosselin), and 5+ hosts from the U.S. Army Corps of Engineers (USACE) Buffalo District (including Mike Greer) participating in the one-day post-conference tour. On Thursday July 19<sup>th</sup>, students will visit aquatic plant management and restoration projects near Buffalo, NY. Students will travel from the hotel on the morning after the annual conference concludes and visit sites and projects managed by the

USACE Buffalo District. In particular, the Seneca Bluffs Restoration, Times Beach Aquatic Plant Control, Great Lakes Hydrilla Collaborative, and the Unity Island Aquatic Plant Control projects, which are all in close proximity to the Buffalo area, will be tour stops. Students will learn about restoration of the Buffalo and Niagara Rivers as well control of invasive species including Phragmites, hydrilla, and other plants in the Erie Canal. Transportation and meals (box breakfast, box lunch, and water) will be provided by APMS and sponsors. The USACE will provide boat transportation if needed, but specific tour logistics are still being developed by Mudge and Greer. Students will depart the Hyatt at approximately 8 AM and return to the conference hotel by 4 PM. Dinner will also be provided to the students on the evening of July 19<sup>th</sup>.

Tour expenses:

- We are renting 2 vans for the tour. Mudge and Gosselin will pay for the rental and request reimbursement from APMS.
- All 3 meals on July 19<sup>th</sup> will be covered by the society.
- Bill Torres has reserved hotel rooms for an additional 2 nights (Wednesday at the Hyatt and Thursday at the Embassy Suites) for all students participating in the tour.

**B.A.S.S. Activities:**

**BASS Conservation Award sponsored by AERF and APMS**

For 2017 the New Mexico BASS Nation has been awarded the Aquatic Plant Management Conservation grant for \$2000. Their project involves establishing shoreline vegetation on Elephant Butte Reservoir. Our grant is only a portion of the funds being raised by the New Mexico Bass Nation and the project has already been initiated. Please see the attached files outlining the project.

APMS and AERF sponsored the Conservation Summit luncheon during the Bassmaster Classic in Greenville, SC at the 2018 Bassmasters Classic. Attendees included the State BASS Conservation Directors and the State Fisheries Chiefs. Brett Hartis spoke on behalf of both organizations about communication between the APM Industry and bass anglers. Thanks to Brett for a job well done. Jeremy Slade, Carlton Layne and I were impressed with the amount of recognition given to the APMS and AERF. Gene Gilliland made the comment that these organizations are the longest term supporters of the BASS Conservation Summit.

I would ask that the APMS and AERF commit \$3000 (to be split between 2 organizations) to sponsor the Conservation Summit banquet at the 2019 Bassmaster Classic to be held March 15-17 in Knoxville, TN.

Gray Turnage and Brett Hartis have developed a proposal to hold symposia for High School Bass Coaches (Attached). These coaches are responsible for developing high school bass "Teams" that compete on a local, state, regional and national level. They are associated with BASS (Nation) who also sponsors these high school competitions. This may also be taken to the University level where a similar structure exists. TVA has committed funds to help develop educational materials for these symposia. AERF and APMS would be asked to provide speakers, travel expenses, honoraria and other resources to hold these symposia. These symposia would be held in TN and AL initially. It is likely that this will be a project that will actually take place in 2019 as it will take several months of planning to get this project going. Gene Gilliland (BASS) and Frank Hyla (Youth Director for Shimano) are excited about the potential for this project and are willing to assist. Shimano would also commit funds to this project if they are included. I would suggest both APMS and AERF commit \$3000 each to this project for the next 12 months.

Jeff Holland and Brett Hartis have provided support on the BASS website as well as others to provide information about aquatic plant management. These have been quite helpful and has been effective in reaching grass roots bass anglers.

Brett Hartis with TVA has developed an Aquatic Plant ID app for bass anglers.

<https://www.tva.gov/Environment/Environmental-Stewardship/Anglers-Aquatic-Plant-ID> This effort is aimed at anglers, primarily in the region around the TVA lakes. Although this is an independent site and is a work in progress, it is a resource for anglers.

**Issues:** Although some issues exist, most are a result of the lack of involvement of anglers in the planning process especially where larger scale herbicide treatments are involved. In most cases, explaining the need for control of aquatic weeds satisfies bass anglers, especially if there is some science behind the decisions (and in

most treatments this is the case). Unfortunately there are a few anglers that refuse to accept the need for treatments. In cases where you feel B.A.S.S., APMS or AERF can be of assistance please don't hesitate to call me.

#### Elephant Butte Willows Project, New Mexico BASS Nation

This project is a new component of a five-year project to improve fish habitat and restore native vegetation at [Elephant Butte Reservoir](#) in New Mexico. The lake is an irrigation reservoir and the most visited state park with over 250,000 annual visitors. The lake level drops about 30 feet between June and August for irrigation and municipal water releases, exposing approximately 114,000 acres of barren shoreline, mainly on the west side of the lake where campers and vehicles are allowed. The vegetation plans for the lake include several innovative methods to introduce native seeds and seedlings to the moist shoreline as it recedes. This project is to pursue one particular species of interest, the Gooding willow (*Salix Goodingii*). During field exploration and observation, the Ruidoso High School science class confirmed that the Gooding willow is able to survive being submerged for several months in water as deep as 20 feet. One plant was estimated to be over four years old and has survived three extended submersions, beavers and propeller damage. Other isolated younger plants were observed in several coves. It is believed that restoration of these native plants would eventually create dense stands that would provide shoreline habitat during the summer and fall and fish habitat during the winter and spring. If successful, it is likely that Federal grants could be obtained for additional plantings where habitat for the endangered Southwestern Willow Flycatcher is desired.



Old willow



New willow growth



Ruidoso High School seeding day

Further evaluation found that the Gooding willow was able to compete with invasive tamarisk in the far north reaches of the lake where it provides critical habitat for the endangered southwestern willow flycatcher.

Up to \$2000 is requested to launch the project, but any amount would be used immediately to purchase seedlings and collect pole cuttings before May, 2017 in selected coves and to establish 2 or more floating nursery willow islands for future pole cuttings. The Albuquerque Hawk Hunters bass club and several youth organizations including the Mesilla Valley (B.A.S.S.) high school angling club have been experimenting with native plant restoration at Elephant Butte and will be involved in every stage of the project. New Mexico State University AFS student chapter, Ruidoso High School, and Hot Springs (TorC) High School are all engaged in the project with a special focus on innovative planting techniques to create seed colonies. Field observation and monitoring will continue as part of the five-year permitted project. The youth adult tournament anglers are very aware of the project. They regularly report on the current state of habitat improvements and often suggest improvements.

All of the funds will be used to purchase, transport and plant seedlings, deep pot plants and pole cuttings from the New Mexico Forestry seedling program, NRCS Plant Materials Center or local pole cutting areas. Matching in-kind donations and volunteer labor have and will continue to exceed all grant values. Over 50 volunteer days were logged during 2016 as well as donated time

and boats from the marina operator and New Mexico Game and Fish. Local businesses have agreed to help with seedling distribution including the local kayak rental shop.

The Bureau of Reclamation permitted the project and letters of support were received from New Mexico Game and Fish, New Mexico State Parks and the Los Lunas Natural Resource Conservation Service ([NRCS](#)). Permit and letters of support are available upon request. Additional information and photos are also available. The project can also be followed on facebook at [Elephant Butte Adapt-a-Cove](#).

For more information, contact Earl Conway, NM BASS Nation president and conservation director.

(505) 610-5156, email: [President@nmgbfn.com](mailto:President@nmgbfn.com) or [way2busy2fish@aol.com](mailto:way2busy2fish@aol.com)

Maps and pictures: Appendix to Elephant Butte Willows Project



Four trial sediment delta areas (A-D) are proposed for willow planting



Dense stands of Gooding willows are established north of the project area

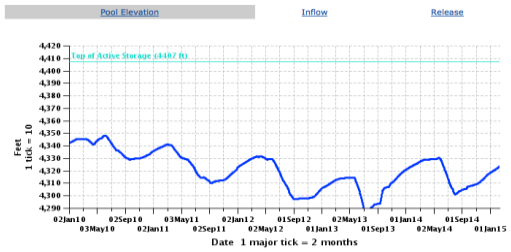


Gooding willows are a key plant for the endangered Southwest Willow Flycatcher



The Albuquerque Hawg Hunters have extensive experience and success establishing floating island plant colonies.

Elephant Butte Reservoir



Water releases in June create a wet receding shoreline when new willows can be established. But the plants have to be able to withstand submersion for several months in the winter.



**Title:** Restoring Fish Habitat: Native Aquatic Plants, Friends not Foes

**PI:** Gray Turnage, Gturnage@gri.msstate.edu

**CO-PI:** Jonathan Fleming, Jpfleming@una.edu

### **Introduction:**

The Florida and TVA aquatic plant camps have been very successful in educating K-12 teachers about issues related to management and conservation of aquatic ecosystems. Attending teachers then incorporate the material they learn into classroom curricula when they return from plant camp, thereby fostering an interest in aquatic ecology in our younger generations. However, a particular demographic that is often overlooked in the educational process are those individuals that use the resource on a daily basis: fishermen. A way to reach fishermen is to target educational opportunities towards coaches of junior/senior high BASS clubs. These coaches may not have an outlet to implement the historical approach of plant camp and therefore do not consider attending these opportunities when they are offered. Coaches, however, work on regular basis with individuals who have a stake in aquatic ecosystems (i.e., students and their parents). Educating BASS coaches on the issues that are impacting their water resources such as invasive species, impaired water quality, decreased recreational use, and decreased property values; and give them insights on how to properly manage and restore the resources in order to mitigate negative effects are crucial. Overall, this approach would have a positive impact on the field of aquatic ecosystem management/restoration as more individuals would be better informed and stronger advocates for best management practices.

In order to reach BASS coaches a workshop is needed that will target the group of people that they instruct, namely fishermen, and offer information that they can use and apply to make their fishing habitats more productive. The goals of this workshop are 1) the education of the public (coaches) on the benefits of healthy aquatic ecosystems and restoration practices and 2) to provide guidance on how to develop a restoration project suitable for junior/senior high students.

### **Objectives:**

Objective 1: Education of public (i.e., coaches) on benefits of a healthy aquatic community and restoration practices through a series of presentations from knowledgeable individuals (*Modules 1 and 2* below). Emphasis will be placed on prevention/management of invasive vegetation, the benefits of living shorelines, habitat creation/restoration.

Objective 2: Hands on guidance regarding aquatic habitat restoration/creation for the purpose of helping coaches better understand the time and logistics of planning a restoration activity with their team. NOTE: If coaches organize a restoration event with their team, the team members can use the activity participation for college/job applications or to gain credits for various BASS trails.

### **Instructors:**

Mr. Gray Turnage (Miss. State Univ.) will coordinate the speakers for this workshop and assist with presentations. Drs. Ryan Wersal (Lonza), Jonathan Fleming (Univ. N. Alabama), and Brett

Hartis (TVA) have agreed to assist with concept/curricula development and instruction. Other potential presenters will be approached as they are identified.

A total of 13 presentations would be given on Day 2 in *Modules 1* and 2 below.

### **Pilot Site:**

Ideally this project would be implemented on a reservoir in SE Alabama or Western Georgia (AL or GA Power reservoirs). Josh Yerby of AL Power has expressed interest in coordinating with us on site selection and logistics.

### **Estimated Budget:**

Funding would be used to print materials, provide meals and travel/lodging expenses for attendees and instructors, as well as purchase supplies needed to conduct the restoration portion of this workshop (see *Modules 3* and *4* below). Print materials would consist of the AERF BMP handbook and a workbook. The workbook will contain the agenda for the workshop, the slides from each presentation, space to take notes by each slide, and a template for recording site metrics of restoration sites (see *Module 4* below), a brief bio and contact information of all instructors, and a list of useful entities (federal, state, university, etc.) to contact if requesting information about aquatic habitat management. Because the workbook would be specific to each workshop they would be printed on a case-by-case basis.

Ideally, this workshop would be conducted at a facility (state park, hotel, etc.) on the shore of a reservoir/waterbody of significant size with a management entity that is willing to partner with us (i.e. Coosa reservoirs and Alabama Power) to instruct BASS coaches in the local area. We would ask the local agency to supply boats and personnel for the Day 3 activities (see *Modules 3* and *4* below).

- **Lodging:**

- 20 participants X 2 nights @ \$120/night = \$2,400
- 20 participants X 6 meals @ \$25/person/meal = \$3,000
  - 20 participants X 4 breaks @ \$5/person/break = \$400

**Total Food and Lodging = \$5,800**

- **Meeting Venue:**

- 3 days \* \$190/day = \$570

**Total Meeting Venue = \$570**

- **Printed Materials:**

- AERF BMP Manuals – donated = \$0
- Workbooks (120 pages) – 20 participants X \$75/book = \$1,500

**Total Printed Materials = \$1,500**

- **Audio/Visual:**

- \$120/day X 2 days = \$240

**Total Audio Visual = \$240**

- **Transportation:**

- Bus = \$1,000

**Total Transportation = \$1,000**

- **Restoration Materials:**

- Plant mats: Plant collection, Chicken wire (mat material), cinder blocks (weights for mats), and Fasteners for mats = \$1,250
- Bamboo Blocks: Bamboo collection, quickcrete, Cinder blocks (base of structure) = \$1,250

**Total Restoration Materials = \$2,500**

- **Meeting Planner (i.e., Bill Torres):**

- \$2,000

**Total Meeting Planner = \$2,000**

**Estimated Total = \$13,610**

## **Agenda:**

### **Day 1**

Arrive/Check-In: 4 PM – 5:30 PM

Dinner: 6 PM – 7:30 PM

NOTE: If coaches live in the area, Day 1 activities and expenses may be minimal if lodging and meals are only needed for instructors.

### **Day 2**

Breakfast: 7 AM - 8 AM

Welcome & Intro: 8 AM – 8:10 AM

*Module 1A*: 8:10 AM – 8:45 AM

*Module 1B*: 8:45 AM – 9:20 AM

*Module 1C*: 9:20 AM – 9:50 AM

Break: 9:50 AM – 10:10 AM

*Module 1D*: 10:10 AM – 10:25 AM

*Module 2A*: 10:25 AM – 11:25 AM

Lunch: 11:30 AM - 1 PM

*Module 2B*: 1 PM – 2 PM

*Module 2C*: 2 PM – 2:30 PM

Break: 2:30 PM – 2:50 PM

*Module 2D*: 2:50 PM – 3:10 PM

*Module 3A*: 3:10 PM – 4:00 PM

*Module 3B*: 4:00 PM – 4:50 PM

Cleanup: 4:50 PM – 5:15 PM

Dinner: 6 PM – 7:30 PM

### **Day 3**

Breakfast: 7 AM – 8 AM

*Module 4A*: 8 AM – 10 AM

*Module 4B*: 10 AM – 10:45 AM

Meeting wrap-up: 10:45 – 11:15 AM

Adjourn: 11:15 AM

## **Modules:**

The below Modules are meant to help junior/senior high BASS coaches understand the importance of healthy aquatic ecosystems (*Module 1*), how to restore impaired aquatic habitats (*Module 2*), the actual preparatory work needed to restore/create aquatic habitats (*Module 3*), and lastly how to effectively deploy habitat structures (*Module 4*). The first two Modules will help coaches understand the benefits of habitat creation/restoration in the framework of overall ecosystem health and as such should serve as guides to coaches when planning restoration activities. The two hands-on *Modules* (3 and 4) are designed to give coaches experience in creating and placing habitats so that when they return home they can more efficiently plan restoration activities with the teams they coach.

**Module 1:** Impaired aquatic ecosystems and the management of problematic vegetation therein.

This *Module* covers the ecological, economic, and human health benefits of healthy aquatic ecosystems with a focus on native vegetation as the base of the food web. Also discussed will be how impacts to native vegetation affect the rest of the ecosystem, human uses of a water body, and potential effects of impaired ecosystems on human health (i.e., invasive plants and insect borne disease). Lastly, information about the management of problematic vegetation in infested water bodies will be presented as a precursor to further restoration activities.

*Section A:* Why we care about aquatic ecosystems (35 min) – Focus will be on the benefits of a healthy ecosystem from ecological, economic, and recreational viewpoints. Emphasis will be on the effects of the plant community (as trophic base) on the rest of the food web.

*Section B:* Impacts of problematic plant species (35 min) – Focus will be on effects of problematic plant species to native aquatic biota, water quality, and higher organisms in the food web (ex: Hydrilla and AVM).

*Section C:* Overview of management practices of problematic plants in aquatic ecosystems (30 min) – This section will discuss preventative measures (BMP's) the four control strategies (biological, mechanical, physical, & chemical), and integrated management.

*Section D:* Overview of helpful materials (15 min) – The focus of this section will be on other materials that are beneficial for understanding aquatic ecosystems and why they should be managed appropriately. Examples would be websites (i.e., universities, federal and state agencies, etc.), factsheets, and the AERF BMP manual.

**Module 2:** Restoration practices for aquatic communities.

This *Module* will be an overview of common aquatic habitat restoration activities with an emphasis on planting native vegetation. The importance of monitoring and record keeping will also be discussed.

*Section A:* Overview of restoration activities (60 min) – This section will be a review of the types of restoration activities (i.e., planting beneficial vegetation, habitat construction, shoreline restoration, etc.), the logistics needed to implement a restoration project (i.e., site/project selection, material selection), and the importance of follow up monitoring.

*Section B:* Planning and planting beneficial vegetation: how to and who to ask (60 min) – This section will provide information about the selection and timing of restoration plantings (early vs. late season), propagule types (fragments/cuttings vs. seeds), implementation of restoration plantings (depth, pattern, anchoring/potting materials needed), establishment period needed for aquatic vegetation, and record keeping (date, depth, GPS location). Also discussed will be the importance of partnering with resource managers/agencies of particular waterbodies.

*Section C:* Overview of other restoration activities (30 min) – This section will discuss the timing and implementation of other restoration activities that are riparian (i.e., living shorelines, rip-rap) or non-vegetative in nature (i.e., gravel beds, brush piles, etc.).

*Section D:* Monitoring: why do it and for how long (20 min) – The importance of monitoring a restoration site will be discussed with emphasis placed on timing, long term record keeping, and survivorship of plants.

### ***Module 3:*** Hands-on restoration: Onshore preparation.

This *Module* will give attendees an idea of the time and logistics needed to prepare materials for restoration activities. The structures built in this *Module* will be deployed in *Module 4*. NOTE: Participants will get dirty so make sure they plan accordingly.

*Section A:* Construction of plant mats (50 min) – This is a hands-on activity where coaches learn how to construct living habitat for aquatic organisms. The structure is a mat made from chicken wire. The mats are used to anchor plants (i.e. water willow) to the sediment of a waterbody for establishment. Materials: chicken wire, cinder blocks, wire ties, and plant shoots (preferably with roots tissues).

*Section B:* Construction of ‘Bamboo Blocks’ (50 min) – This is a hands-on activity in which coaches will learn how to construct non-living fish habitat called ‘Bamboo Blocks’. The blocks are constructed by laying cinder blocks with holes up, pacing bamboo cuttings in the holes such that the cuttings fan out, and lastly pouring concrete in the holes to hold the cuttings in place. Materials: Cinder blocks, concrete (i.e., Quickcrete), bamboo cuttings.

### ***Module 4:*** Hands-on restoration: Implementation.

This *Module* will allow BASS coaches to get first-hand experience deploying habitat structures so that they gain a better understanding of the time needed when planning restoration activities. This Module will also go over the basics of monitoring while in the field so that coaches are exposed to proper methodology needed to do this efficiently and accurately. NOTE: Participants will get wet so make sure they plan accordingly.

*Section A:* Deployment of restoration habitat (120 min) – This section will cover the activities involved (transport to site, planting pattern, Geo-tagging habitat, etc.) with deployment of structures in a safe, efficient manner while maintaining accurate records for follow up monitoring.

*Section B:* Monitoring demo (60 min) – This section will give attendees hands-on experience collecting basic info about restoration site metrics that aid in determining success of restoration efforts. This section will assume the newly restored site (*Section 4A*) is one year old and compare restoration site at time of monitoring to time of restoration.

Joseph Vassios  
CAST Report  
APMS Mid-Year BOD Meeting  
Submitted July 15, 2018

Thank you for the opportunity to serve the APMS representative to the Council for Agricultural Science and Technology (CAST).

I would like to take this opportunity to share news on CAST's recent work and events, as well as some plans for the remainder of 2018. Attached is a [Summary of Activities to update on CAST's January – May events](#), activities, projects, and new board members. As you can see from the summary, the beginning of 2018 has been very productive. We anticipate continued success for the remainder of the year with the rollout of several publications, CAST's Annual Meeting in Sacramento/Davis, California (October 23-25), and the 2018 Borlaug CAST Communication Award event in October at the World Food Prize in Des Moines.

As you know, I participate in the CAST Plant Work Group which meets monthly by conference call to discuss current projects being developed, and contributing ideas for future publications on behalf of the APMS. I have been unable to participate in the last several calls, but the Plant Work Group continue to be active. We have identified some timely issues that we're currently developing proposals for and have begun the process of creating task forces for papers to be released in 2019 and 2020. And to see the latest impact reports on CAST's recently released publications, please [visit the CAST website](#).

You will note from this link that we have the HAB proposal still pending, and I will be providing a revised version soon so we can move forward with it's publication.

If you have any suggestions or questions for the CAST staff or boards, please share those with me and I will bring them forward on a future work group call. Also, remember that there is a "Submit an Idea" button on the CAST homepage where anyone can make a suggestion.

*While I appreciate the opportunity to serve on the CAST BOR, at this time, I will no longer be able to participate on the CAST BOR following the 2018 APMS Meeting. I have discussed this with John Rodgers, and have contacted Amy Ferriter, who is willing to assume this role moving forward if this is acceptable to the board.*

Thank you for APMS's continued support of CAST.



The Science Source for Food,  
Agricultural, and Environmental Issues

June 22, 2018

Dr. Joe Vassios  
Aquatic Plant Management Society  
7922 NW 71<sup>st</sup> St.  
Gainesville, FL 32653

Dear Dr. Vassios:

On behalf of the Board of Directors and staff of the Council for Agricultural Science and Technology, or CAST, we send our sincere thanks for the Aquatic Plant Management Society's membership contribution of \$1,500.00, received on January 22, 2018.

As you know, CAST is helping to address some of the most important issues that impact our planet, such as feeding the world's population; water and soil conservation; leading land use practices; and animal, food, and environmental science. This is done through assembling, interpreting, and communicating credible science-based agricultural information in a variety of formats—then widely making it available for everyone's use, education, and understanding.

That's the invaluable service the Aquatic Plant Management Society is supporting through your membership contribution.

Additionally, you will enjoy immediate access to newly released CAST publications and other excellent resources, as well as the latest agricultural news through *Friday Notes*, CAST's signature e-newsletter—all of which are sent to your CAST representatives.

Please contact Colleen Hamilton with questions about CAST, accessing publications, or membership. Thank you again for your generous support of CAST!

Sincerely,

Kent G. Schescke  
Executive Vice President  
[kschescke@cast-science.org](mailto:kschescke@cast-science.org)

Colleen K. Hamilton  
Membership Specialist  
[chamilton@cast-science.org](mailto:chamilton@cast-science.org)

*CAST is a qualified 501(c)(3) tax-exempt organization. Therefore, your membership contribution may qualify as a charitable contribution under IRS guidelines. For IRS documentation, you did not receive any goods or services as a result of this gift. CAST's Federal Identification Number is 23-7186154.*



From: Reichert, Nancy [mailto:NReichert@biology.msstate.edu]  
Sent: Thursday, May 03, 2018 12:48 PM  
Subject: THANK YOU from CAST

Dr. Rodgers:

As the current President of CAST, I'd like to personally thank you for the Aquatic Plant Management Society's support and partnership with CAST as a society member. We are honored to work with you—as well as with Dr. Joe Vassios, your CAST Board of Directors Representative—in our combined efforts to assemble, interpret and communicate balanced, credible information about the science and technology so critical to our food and modern agricultural systems.

I'd like to share with you a little of what you're supporting through CAST in the coming months. As you know, the publication of papers in various formats on timely agricultural topics is CAST's main output, for which we host publication rollouts and send updates through social media to distribute the material as widely as possible. For your information, I've listed the most recent and the upcoming rollouts below and have attached a flyer that provides general information on CAST and a more complete list of forthcoming publications. Additional papers are planned to be released later this year. Please let me or Kent Schescke, CAST EVP (copied on this email), know if there are any papers listed that you'd like more information on. We would also appreciate receiving names of any of your society's members who might be interested in joining specific writing task forces.

Recent Rollouts:

- March 22 & 23—Issue Paper: Regulatory Barriers to the Development of Innovative Agricultural Biotechnology by Small Businesses and Universities
- April 23—Task Force Report: Scientific, Ethical, and Economic Aspects of Farm Animal Welfare
- Impending rollouts:
- May 8—Special Publication: Omega-3 Fatty Acids: Health Benefits and Dietary Recommendations
- June 2018 (date TBA)—Ag Innovation: Genome Editing in Agriculture—Methods, Applications, and Governance
- July 2018 (date TBA)—Impact of Free-Range Poultry Production Systems on Animal Health, Human Health, Productivity, Environment, Food Safety, and Animal Welfare Issues
- Summer 2018 (date TBA)—Ag Innovation: Food Loss and Waste

We also appreciate your input and sharing ideas for CAST to consider for forthcoming publications. To that end, we have included a “submit an idea” button on the CAST website that allows our members, key stakeholders and others to quickly submit ideas for consideration. These ideas are then collected and forwarded to one of three work groups that meet monthly to review and discuss the status of CAST's publication workflow. As many of them have been working with CAST for a number of years, they can point to previous publications on a topic, as well as note when there is a need to create a new publication to address either changes in the scientific knowledge, or heightened awareness of a particular issue.

Please let me know if I, Kent, or the CAST staff can provide any additional information for you or answer any questions. Again, my sincere thanks for your continued support of CAST's work as a valued partner.

Best regards,

Nancy Reichert  
President, CAST  
Professor, Department of Biological Sciences  
Mississippi State University

**June 29, 2018**

## **RISE Aquatics Update for APMS**

### Farm Bill

The House passed its version of the farm bill June 21. The bill includes important FIFRA reforms that RISE advocated for including:

- Needed reforms to species consultation and the pesticide registration process under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA);
- Reauthorization of the Pesticide Registration Improvement Act (PRIA 4) as passed by the House of Representatives in 2017;
- A fix for the duplicative National Pollutant Discharge Elimination System (NPDES) permitting requirement as passed by the House of Representatives on several occasions;
- Recognition of the exclusive role of State Lead Agencies; and
- Language on cooperative federalism advancing states as co-regulators in the federal regulatory process.

The bill would also permanently repeal the Waters of the United States (WOTUS) rule.

The Senate passed its version of the farm bill on June 28. Both chambers now need to resolve their difference in conference and pass the final negotiated version. While the Senate bill does not include these important FIFRA reforms, RISE is urging lawmakers to include these provisions during the conference process.

### PRIA

On June 28, the Senate passed PRIA reauthorization (PRIA 4). The bill negotiated by Senate Agriculture Committee Chairman Roberts, Ranking Member Stabenow (D-MI) and Senator Udall (D-NM) would run through 2023. This deal would address the Worker Protection Standard definition of designated representative, which Senator Udall has expressed concern over. Because this version of PRIA differs from the House-passed bill, it still needs to be passed by the House before being sent to President Trump for his signature.

### WOTUS

RISE continues to be engaged with the Waters Advocacy Coalition to address the WOTUS rule and a replacement rule.

EPA and Army Corps of Engineers (ACOE) have submitted a proposed redefinition of the Waters of the US to the Office of Management and Budget for interagency review. This is a necessary step to repeal the 2015 rule before proposing a new, better rule through the regulatory process. With this action, EPA and ACOE will

likely complete the repeal and replace process in 2019. A new rule will restore the balance between the federal government and state/local authorities.

District courts in 24 states have stayed the rule. And EPA has a regulation in place staying the rule nationally for a period of two years while a full repeal and replace regulatory process is completed.

Further, on June 21, House passed its version of the Farm Bill, which must be conferenced with the Senate bill that passed on June 28. Hopefully before the September 30th farm bill expiration deadline, these bills will be reconciled and signed into law. The House version includes an amendment by Rep. Jim Banks (R-IN) to permanently repeal the 2015 WOTUS rule. The Senate bill is silent on this issue. It is unlikely this provision will survive in conference.

**Women of Aquatics  
APMS Board Book Report  
July 2018**

**Submitted by Amy Kay**

**Women of Aquatics Mission (rev. 2/2018)**

*Together we promote all women of aquatics, now and in the future, through inspiration and support to continually pursue their ambition and potential both professionally and personally.*

**Values (added 2/2018)**

Celebrate & Inspire, Challenge the Status Quo, Promote Community

**Areas of Focus**

Career Advancement, Continuing Education, Work-Life Balance, Health & Wellness

**Goals & Progress**

- **WOA Meetings:** at each conference as able to increase participation, retention and growth within the organization and our industry as a whole. Established a goal to meet at two additional conferences each year until all have had WOA meetings. The two new chapters in 2017 were FAPMS and TAPMS.
  - Meetings were held last year (2017) at NEAPMS, MAPMS, WAPMS, Wisconsin Lakes Partnership, APMS, FAPMS and TAPMS. In 2018 they have been held at MAPMS, WAPMS, Wisconsin Lakes Partnership to date, meetings planned for APMS, FAPMS and TAPMS. New/additional conferences to attend have not been established as of yet for 2018
- **Establish Board of Directors:** President: Amy Kay, Clean Lakes; Vice President: Sue Cruz, Vertex Water Features; Treasurer: Syndell Parks, Grand Valley State University; Secretary & Editor: Shannon Junior, SOLitude Lake Management; Director: Amy Ferriter, Crop Production Services; Director: Emily Henrigillis, Fox-Wolf Watershed Alliance; Director: Emily Griffith, Sprayco; Director: Sam Sardes, Aquatic Systems; Director: Lyn Gettys, University of Florida; Director: Dehlia Albrecht, University of Florida; Director: Sonja Wixom, SUNY Oneonta; Director: Nathalie Visscher, Florida Fish and Wildlife Conservation Commission
- **Membership Established:** Launching at APMS, July 2018
  - \$50 annual professional membership, \$25 annual student membership
    - Annual membership will include:
      - WOA meeting event at APMS, it's chapters and any other approved (by the board) WOA meetings that may take place on the local/state level (For example, Wisconsin Lakes Partnership); Specialized directory of contacts; Option to participate in a mentorship program; Invitation to the annual Women of Aquatics retreat; Women of Aquatics lapel pin for new members.
- **Create a Strategic Plan**
  - February 16-18, 2018: Inaugural Women of Aquatics retreat which included a day of strategic planning. 10 board members were able to attend and participate in Holly, MI. The strategic plan document is complete (July 2018).
    - Goals within the plan are: Organizational Collaboration, Career Advancement, Continuing Education, and Health & Wellness/Work-life Balance. For specifics on these goals and action plans along with the committees responsible, please see the strategic plan document.

*WOA would like to thank the APMS board for the continued participation and support provided.  
Any feedback or suggestions are encouraged.*

## **WOMEN OF AQUATICS, NFP**

### **Strategic Plan**

**(2018-2021)**

### **Mission & Vision**

Together we promote all women of aquatics, now and in the future, through inspiration and support to continually pursue their ambition and potential both professionally and personally.

### **Values**

- Celebrate & Inspire
- Challenge the Status Quo
- Promote Community

### **Areas of Focus**

- Career Advancement
- Continuing Education
- Work-Life Balance
- Health & Wellness

### **Introduction/Background**

Historically, the aquatics industry has been a male dominated atmosphere – this still holds true. An opportunity was identified by a small group of women that attend industry conferences and events to create a network that would support the professional women currently active in aquatics as well as encourage students and younger women beginning their careers. The opportunity was seen as a vehicle to not only encourage women to continue participating but also to increase their involvement to better their professional life, support and provide advancement opportunities and achieve personal fulfillment.

A casual discussion in 2014 led to several organized meetings in 2015 and 2016 where information was gathered from diverse groups of women involved in aquatics regarding challenges in the workplace, opportunities to be more successful, and what they would want in an organization and from a membership should this idea to gather be taken further than casual networking. It was decided by informal vote that Women of Aquatics (WOA) become a professional organization. The initial goals of the group were to create a mission statement, establish a board of directors, and to become an official nonprofit organization. These objectives were met by March, 2017.

### **Strategic Goals and Objectives**

The primary goal of WOA is to support the Mission and Vision of the organization through action that honors WOA's values. Specifically, this includes developing initiatives within the areas of focus including Career Advancement, Continuing Education, Work-life Balance and Health and Wellness.

## **GOAL 1: ORGANIZATIONAL COLLABORATION**

Key Outcome: To provide consistency and value to WOA membership and programs

### **OBJECTIVE 1.1 Maintain organization structure to oversee WOA Strategic Plan**

#### **ACTION STEPS:**

1. Maintain a board of directors
2. Develop a strategic plan
3. Identify a committee structure to oversee membership, communication and ongoing strategic action in line with WOA's Mission and Vision
4. Identify, as needed, liaisons to represent WOA with other interest and focus groups

### **OBJECTIVE 1.2 WOA Communications and Updates**

#### **ACTION STEPS:**

1. Develop and maintain a website
2. Develop and maintain social media presence
3. Produce a quarterly newsletter that goes out to WOA membership and community
4. Develop a public service announcement to engage and provide other groups with WOA information, events and announcements
5. Have a sharing forum on topics or current issues in the aquatics field

### **OBJECTIVE 1.3 WOA Fundraising and Sponsorship Program**

#### **ACTION STEPS:**

1. Develop and maintain a sponsorship program
2. Develop an affiliate membership
3. Create opportunities to and host events to fundraise for WOA programs

## **GOAL 2: CAREER ADVANCEMENT**

Key Outcome: To provide WOA members with opportunities to better and advance their career

### **OBJECTIVE 2.1 Develop a mentorship program**

#### **ACTION STEPS:**

1. Develop an overview document explaining the mentorship program
2. Maintain a current specialized membership directory to identify WOA members interested in the program and utilize for pairing mentors/mentees
3. Develop a core recommended relationship structure for program participants
4. Provide a guidance program/training for program participants

### **OBJECTIVE 2.2 Facilitate networking and job building capacity**

#### **ACTION STEPS:**

1. Maintain a specialized membership directory
2. Host a web forum to facilitate communication within WOA membership
3. Provide links to job posting and internship opportunities
4. Provide professional training opportunities for women participating in WOA events

**OBJECTIVE 2.3 Improve WOA participation in national, regional and local aquatics and events**

**ACTION STEPS:**

1. When feasible, provide fiscal assistance to WOA member(s) to attend conferences, workshops, continuing education opportunities, etc.
2. Keep a current calendar of events on website and provide information on upcoming aquatics conferences and other related events
3. Have organized WOA meetings at regional and local events

**GOAL 3: CONTINUING EDUCATION**

Key Outcome: To provide WOA members with opportunities to further their education in support of their professional and personal ambitions

**OBJECTIVE 3.1 Increase opportunity for WOA members to participate in education events**

**ACTION STEPS:**

1. When feasible, provide fiscal assistance to WOA member(s) for continuing education opportunities
2. Keep a current calendar of events of local, regional and national continuing education opportunities
3. Seek opportunities such as workshops, camps and events to encourage youth in environmental sciences

**GOAL 4: HEALTH & WELLNESS/WORK-LIFE BALANCE**

Key Outcome: To improve overall wellness of WOA membership

**OBJECTIVE 4.1 Provide opportunities for WOA members to improve wellness and productivity**

**ACTION STEPS:**

1. Identify and promote local events that relate to health and wellness
2. Use social media to share articles, events and other related information on the topic of health and wellness/work-life balance
3. Include health and wellness/work-life balance tips and/or short articles in quarterly newsletter
4. Create and participate in wellness events fundraising for and/or on behalf of WOA

## WSSA Report to APMS

### A. Report from January Board Meeting

**Annual meetings.** The 2018 WSSA annual meeting was held in Arlington, VA. A primary reason was to facilitate interaction with government agency personnel. This was successful as approximately 80 individuals from federal agencies participated. WSSA received 406 total submissions. The program was actually more full than normal with presentations going into Thursday afternoon. Meeting registration total was 472 with 316 full registrations. This includes 92 student registrations. Future meetings:

- 2019: New Orleans, LA. Feb. 11-14. Sheraton New Orleans. (Aquatics session to be chaired by Chris Mudge, there were only 2 in 2018 so he will need to recruit talks in order to have a session.)
- 2020: Maui, Hawaii. March 2-5. Hyatt Maui Regency. Joint meeting with WSWS. Room rates are going to be \$269 to \$349 depending on room view.
- 2021: TBD

**Membership.** WSSA membership in 2017 was 72% of 2016 levels (decline from 1254 to 903). This continues a general decline in membership.

**Finances.** The WSSA budget continues to be good after moving journals to Cambridge. The general fund balance was \$1.1M in November 2017, an increase of ~\$140,000 from the previous year. The endowment fund also increased by ~\$30,000 to \$481,696. WSSA 2017 budget project was -\$82,768 and actual was \$94,959.

**Women in Weed Science.** WSSA has started a Women in Weed Science breakfast. This is largely due to the Women of Aquatics functions at the joint WSWS/WAPMS annual meeting in 2017.

**Publications.** Transition to Cambridge is complete. Due to online only publishing, there is no color charge and more manuscripts are being submitted with color figures and images. No negative comments received about switch to online only. Institutional subscribers also use digital only access. Journal formats and design were completely redone after move to be more online friendly. Author instructions also revised. All submissions go through plagiarism detection software. Funding sources are now required to be disclosed. Also mentioned that Allen Press "Open Access" is not legally open access. WSSA is having to retroactively contact authors in order to get copyright clearance within legal parameters. WSSA has also added 3 criteria for authorship:

- "1. They made substantial contributions to the conception and design of experiments; acquisition of data, and/or analysis and interpretation of the data.
2. They drafted the article and/or revised it critically for important intellectual content.
3. They approved the final version of the article to be published."

WSSA is getting ready to reboot the process for a new edition of the Herbicide Handbook. A new committee chair (editor) has been identified. There is an ongoing discussion about whether this should be another book edition or if it should be a database driven app. I've previously noticed that the Herbicide Handbook does not address herbicide fate in water well at all. Please let me know about any other content issues. Perhaps APMS should offer to assist in the revision in order to improve areas of importance to aquatic uses of herbicides.



**Regional Chapter Updates.** Not a lot of specific interest to APMS, but one very interesting thing is that WWSWS has grossed over \$1M over the last 20 years on “Weeds of the West.” It is a very good identification guide for common weeds of the western US. There really is not an aquatic plant equivalent.

**Director of Science Policy.** Lee Van Wychen continues to do a great job in Washington on behalf of APMS and the weed societies.

## **B. Report from June 2018 Board Meeting**

**2019 meeting.** WSSA meeting will be in New Orleans. It will be several days before Mardi Gras so there will be a lot going on.

**Dicamba** continues to be a huge issue. Large numbers of off-label applications continue to happen. Not just with dicamba, but with many other pesticides. Lack of enforcement at the state level is common. Some university weed scientists want WSSA to take a position on the whole dicamba issue. A company rep on the board alluding to editing symposium talks beforehand.

**2020 meeting** at Hyatt Regency in Maui, Hawaii. Joint meeting with WWSWS.

**Membership updates.** 228 emeritus members, 12 honorary, 715 regular members, 124 student members. 17 sustaining members (down from 28). 6-8 sustaining commitments that have not sent checks.

**Pest Week.** Purpose to increase pesticide resistance education in field crop production. <https://www.iwilltakeaction.com/news/pest-week-partner-kit>

**Graduate Student Experience.** This originated from SWSS but provides funding to send a graduate student to a different region to get a different weed science experience. Over 30 opportunities were offered and top 5 student proposals were selected from 18 applicants.

**NIFA Fellow.** Trying to compile how much NIFA funding has supported weed science and how to get more \$ for weed science. Donn Schilling wants more NIFA focus on weed biology. He is stepping down and WSSA will be interviewing a replacement.

**Director of Science Policy.** Position name proposed to change to Executive Science Policy Director along with new job description. (Refer to Finances for more detail). Lee’s report to WSSA took 1 hr 46 minutes. Refer to his report for full details.

**WSSA Composite List of Weeds.** Referred to committee to consider banishing forthwith.

**Journalism Award.** New award to honor author for weed related journalism. \$1,000 award.

**Federal Reorganization.** Potential reorganization would split the Corps of Engineers into other agencies. Refer to APMS Legislative Committee Report.

**Finances.** \$1.8M in total assets. Sustaining membership is a fairly low percentage of annual budget. Director of Science Policy charges to regionals will be recalculated every year based on membership with an annual increase of 3% cumulative each year and distribution of 70% from WSSA and 30% from regionals. The next APMS bill will increase by \$561 to \$5,839. For budgetary purposes include a 3%

annual increase for future budgeting. (APMS continues to get great value from the DSP efforts.) Regionals are asked to comment on this proposed change prior to it taking effect. This is distinct from a promotion for Lee's years of service and competence level. Lee has been in this position for 12 years without a promotion, just annual cost of living increases in compensation. His salary is much lower than peers. WSSA approved a 15% promotional raise. The regional formula will be revisited after consultation with each.

**Publications.** (Just noticed there is no APMS rep on WSSA Publications Committee. Let me know if APMS wants that changed.) Cambridge continues to deliver on financial estimates to WSSA. The use of ORCID numbers will be phased in. This is a unique identification number to distinguish authors. Sarah's term as Director of Publications ends in February 2020 and she is not interested in a third term. A replacement will need to be found soon in order to have time to get the new person up to speed.

**Travel Reimbursement.** No existing policy for WSSA reimbursable travel, so drafting a document to create guidelines.

**IPSM-JAPM merger.** Discussion of this potential concept within Publications Report. WSSA board was very supportive of continued discussions. There were no major concerns expressed. Sarah Ward will follow up with Jay.

**Future Meetings.** WSSA will have a 5 year rotation for meeting in/near DC. The 2018 Arlington meeting was very beneficial for advancing policy issues.

**Liasons.** WSSA will attempt to integrate liasons with related organizations similar to APMS's special representatives.

**SCIENCE POLICY REPORT – Lee Van Wychen**  
**APMS Annual Meeting- Buffalo, NY. July 15-18, 2018**

1. **New Job Title:** The WSSA Board of Directors approved an ‘upgrade’ for my job title: “Executive Director of Science Policy (EDSP).” They also approved a pay raise and provided funding for a Science Policy Intern position for a 6 to 12 month period, which I will begin advertising later this summer. Thank you APMS for your support!
2. **TAG-BCAW:** John Madsen was selected as WSSA’s rep for the [Technical Advisory Group for Biocontrol Agents for Weeds](#) (TAG). TAG was first formed in 1957. There are about 15 members on TAG and they meet once a year in person and have quarterly conference calls to “review petitions for biological control of weeds and provide an exchange of views, information and advice to researchers”.
3. **Federal Agency Reorganization Plan:** Under the [Administration’s proposal](#) released on June 21, Army Corps navigation would be transferred to DOT and the remaining Corps civil works missions (flood and storm damage reduction, aquatic ecosystem restoration, regulatory, and all other activities) would be moved to DOI, where those activities could be integrated and aligned with complementary programs focused on issues like water management, ecosystem restoration, and recreation.” The ACOE Aquatic Plant Control Program would be shifted to DOI and would probably end up as part of USGS. I like it and think we should advocate for it. I think USGS would ask for aquatic plant control program money from OMB, which ACOE hasn’t done in nearly a decade. **FEEDBACK requested from APMS Board.**
4. **Dicamba Research Workshop.** I spent a good amount of time this spring organizing and writing a report for the “WSSA Research Workshop for Managing Dicamba Off-Target Movement” that was held April 16-17 in Arlington, VA. The final report is available at: <http://wssa.net/2018/07/wssa-dicamba-research-workshop-presentations/>. Auxin herbicide stewardship continues to be a major issue and [reports of dicamba damaged soybeans, hort crops, and trees and landscape plants continue to escalate](#) again this summer across parts of the mid-South and into the Midwest. EPA is expected to make a decision on whether or not to re-register the new dicamba formulations this fall.
5. **FY 2019 Federal Budget.** After a bipartisan budget agreement this spring that set spending limits for FY 2018 and FY 2019 above the sequestration caps Congress self-imposed in 2013, both the House and Senate are on track to move all 12 of their spending bills out of committee by the August recess (Senate will only have 1 wk of recess instead of 5 wks).

***Selected Discretionary Appropriations Accounts***

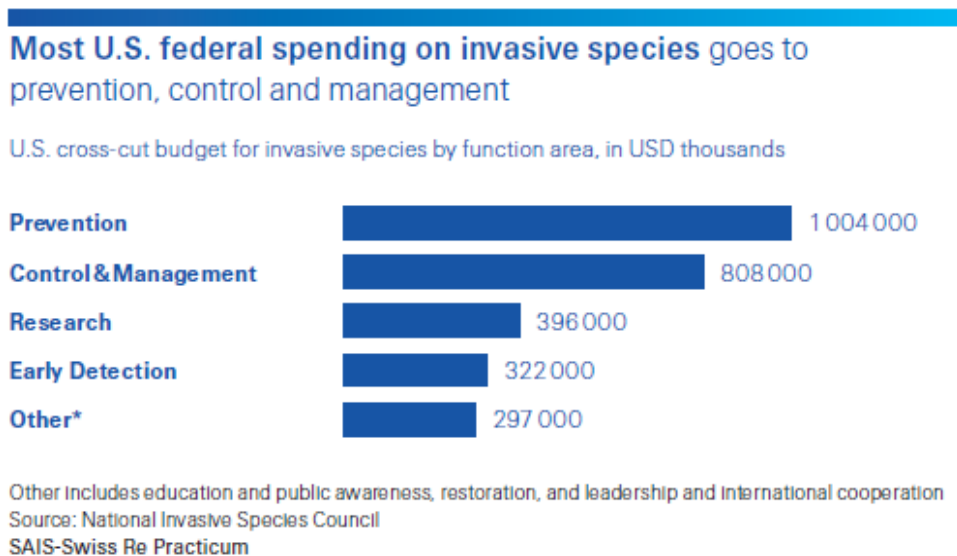
Program	2016 Final	2017 Final	2018 Final	FY 2019 House	FY 2019 Senate
	----- Millions of Dollars -----				
Army Corp of Engineers - Civil					
Aquatic Plant Control Research Program	4	4	<b>5</b>	0	5
Flowering Rush Control	n/a	n/a	<b>1</b>	0	1
Watercraft Inspection Stations	4	5	<b>5</b>	6	6
Great Lakes Restoration Initiative (EPA)	300	300	<b>300</b>	300	300
National Sea Grant Program (NOAA)	64	63	<b>65</b>	68.5	71
USDA- ARS*	1143	1170	<b>1203</b>	1259	1301
USDA- NIFA	1326	1363	<b>1407</b>	1447	1423
Hatch Act (Experiment Stations)	244	244	<b>244</b>	259	244
Smith-Lever 3(b) & (c) (Extension)	300	300	<b>300</b>	315	300
AFRI competitive grants	350	375	<b>400</b>	415	405
IR-4 Minor Crops	11.9	11.9	<b>11.9</b>	11.9	11.9
Crop Protection & Pest Mang’t (IPM)	17.2	20	<b>20</b>	20	20

\*House and Senate Appropriators both rejected the White House proposal to close 20 of ARS research facilities

- Need for weed science societies letter to USDA-ARS on weed science issues. Status of Weed Science National Program Leader (NPL). The \$90 million ARS National Program 304 (plant pest research) gets reviewed in March 2019 and will incorporate stakeholder feedback into its next 5 yr plan.
  - **Areawide-IPM (AIPM) bill (H.R. 5411)** supports AIPM project funding in USDA-NIFA and is co-sponsored by Rep's Yoho (R-FL) and Gabbard (D-HI). I helped organize and was one of the presenters (along with 4 entomologists) for a May 10 briefing on Capitol Hill that highlighted the benefits of AIPM research. I highlighted Dr. Madsen's work in the **Delta Region Areawide Aquatic Weed Project (DRAAWP)** in California as well as the TAME Melaleuca areawide project in Florida. USDA-ARS has \$5.2M for AIPM research in FY 2018, but the Administration/OMB has not supported and Congress has had to restore. Need to look under the couch cushions for new money for AIPM and push NIFA to make it a priority.
  - Technically, NIFA already has authority to fund AIPM research under "Diversified IPM programs" within the Crop Protection and Pest Management (CPPM) line item. However, no money allocated for that purpose.
6. **Farm Bill Passes House and Senate, But Major Differences to Iron Out in Conference:** The House passed their version of the Farm Bill on June 21 by a vote of 213-211, after voting it down on their first attempt to pass it on May 18. The Senate was able to advance its version of a Farm Bill on a 86-11 vote on their first attempt on June 27. There are many good weed science things in House bill regarding regulatory reforms that are not in the Senate bill, which includes a legislative fix for the duplicative National Pollutant Discharge Elimination System (NPDES) program permits, a legislative repeal of the 2015 Waters of the United States (WOTUS) rule, legislative guidance to streamline the FIFRA-ESA consultation process on endangered species, and reauthorization of the Pesticide Registration Improvement Act (PRIA). (NOTE- the Senate advanced a PRIA extension bill separately). The House bill does not reauthorize mandatory funding for the Foundation for Food and Agriculture Research (FFAR), which was created in the 2014 Farm Bill, but the Senate Farm Bill does include \$200 million for FFAR, which requires a 50/50 match for proposals. (I'm working on a multimillion \$ proposal on genetic biocontrol of weeds using gene drives). The conference negotiations between the House and the Senate will get underway after the July 4th recess to try and iron out all the differences between the two bills. The bottom line is that it will have to be a bipartisan bill to get 60 votes in the Senate.
  7. **Uniform Pesticide Labeling Initiative with EPA:** One of the main recommendations in the dicamba research report was for the herbicide registrants and EPA to provide more uniform herbicide labels. By "uniform", we mean each label has a standard format with the same info in the same section of each label. EPA does provide some standard herbicide label guidance wording, but ultimately, it's up to the registrant on how their label appears. EPA is on board with this initiative (i.e Rick Keigwin), but the registrants will be the ones that have to support and push this. It would likely take years to implement. WSSA will work with the Herbicide Resistance Action Committee (HRAC) and CropLife America to explore how to move this initiative forward.
  8. **WRDA Passes House, Awaits Senate Vote:** The House passed the Water Resources Development Act (WRDA) of 2018 (H.R. 8) on June 6 by a vote of 408 – 2. The House bill is markedly narrower in scope than the Senate version (S. 2800), which has passed the Senate EPW committee and awaits a vote by the full chamber. Neither bill changes the \$20 million authorization for the ACOE Aquatic Plant Control Program. The Senate bill expands the watercraft inspection stations from the Columbia River Basin to the Upper Missouri River Basin and authorizes \$30 million in funding. In the 2 previous WRDA's (2014 & 2016), it's been the House that has been pushing the watercraft inspection stations, not the Senate.
  9. **WOTUS Update from EPA.** On June 29, EPA released a 93-page ["supplemental" proposal](#), providing more details on its plans, including the Administration's multi-step repeal-and-replace process and what happens on the ground in the meantime. The new details suggest the agency might be seeking to bolster its initial 11-page document in an effort to withstand legal challenges to the contentious move. EPA and the Army Corps of Engineers have withdrawn their 2015 WOTUS rule and promulgated a decision that the WOTUS rule cannot be enforced until 2020.
  10. **Pruitt Out, Wheeler In at EPA:** Scott Pruitt's last day as EPA administrator is July 6. Andrew Wheeler will take over as EPA Deputy Administrator. He was confirmed by the Senate 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),

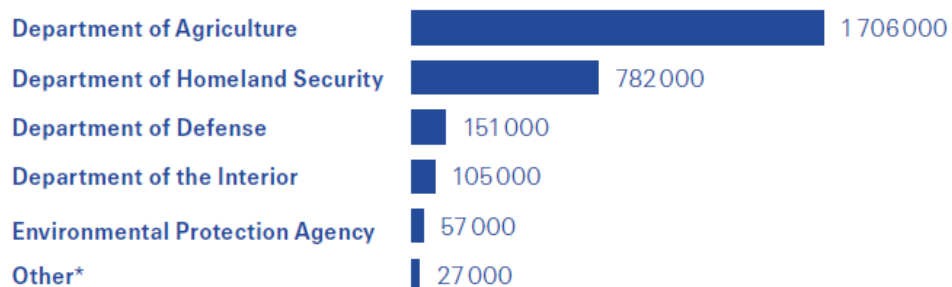
and the Senate Environment and Public Works Committee. Wheeler most recently served as Senior VP for Faegre Baker Daniels Consulting, a national advisory and advocacy firm dealing with energy and natural resources practice. Wheeler's reputation is as a smooth insider who works well with both friends and adversaries and thus will likely make him even more effective at deregulation than Pruitt. Wheeler can easily carry out the Administrations' same agenda for deregulation but without the drama of Pruitt.

11. **Wild Spotter: Mapping Invasives in America's Wild Places:** A new nationwide citizen science volunteer capacity-building program called Wild Spotter (<https://wildspotter.org>) has been launched that is designed to help locate and map aquatic and terrestrial invasive species in Wilderness Areas, Wild & Scenic Rivers, and other wild places across the 193 million-acre National Forest System. This new program engages and empowers the public, local communities, states, tribes, and many other groups to help the Forest Service confront the threats from harmful exotic plants, animals, and pathogens that invade America's beautiful and economically important wild places. The Wild Spotter program provides the tools these volunteers need to help locate, quantify, map, and report invasive species infestations in a simple and effective manner, while raising public awareness about invasive species and promoting collaborations across the landscape.
12. **2018 Weed Survey of Aquatic Weeds:** The number of survey responses in 2018 for each of the 3 categories of aquatic weeds (irrigation, lakes & rivers, ponds) increased from 2015. Good job! Of the [112 Federal Noxious Weeds](#), **hydrilla** is BY FAR the most widespread common weed. Why is that? Foreign imports? Interstate commerce?
13. **Building resilience to the economic threat of invasive species.** [Johns Hopkins report](#). Insurance-based solutions – challenges and possibilities. Insurance tools have the potential to mitigate the economic impacts of invasive species. Insurance, whether for fire, flood, or even crop loss, mitigates risk by guaranteeing financial relief when damages are incurred. Currently, there is a need for more coordinated research, and better data, on the ability of insurance to mitigate against economic damages from invasive species. It is generally much cheaper to prevent invasive species from entering an area, or to deal with them during early stages, than to manage them after they become a visible problem. In many cases, however, awareness of invasions only occurs after the invasive species have taken root. Managing invasions at this point is exponentially more expensive. Municipalities and private stakeholders can benefit if they have response mechanisms in place and if they have access to a pool of funds that is ready to disperse the moment a potential threat is identified. Insurance may offer a solution to fill funding gaps during the critical stage of rapid response. Insurance may also play a role in helping governments and industries manage future lawsuits related to invasive species damages – by ensuring proper controls are in place beforehand, and by providing funds should the suit occur. For example, power outages related to invasive species attacks, or diseases transmitted via invasive species migration, may open up parties who were aware of or responsible for managing invasive species to potentially costly litigation.



## Departments of Agriculture, Homeland Security spent the most on invasive species issues in 2016

Cross-cut budget for invasive species activities by agency, in USD thousands



Other includes Department of State (DOS), U.S. Agency for International Development (USAID), Department of Commerce (DOC), Department of Transportation (DOT), and National Aeronautics and Space Administration (NASA).

Source: National Invasive Species Council

## **2019-2020 APMS Graduate Student Research Grant RFP Outcome**

### Proposals received:

- Pelletier, Wilde, Bringoff Univ of Georgia. Investigating effects of Hydrilla/Aetokthonos hydrillicola cyanotoxins on fish and potential for herbicides to reduce toxicity
- Buley & Wilson. Auburn University. Advanced modeling and control tactics to combat toxigenic cyanobacterial blooms.
- Chorak & Thum. Montana State University. Identifying Eurasian and hybrid watermilfoil gene expression differences in response to frequently used herbicides for improved adaptive management.
- Chraibi. Tarleton State University. Quantifying trend of harmful algal blooms over the last 60-100 years in Texas reservoirs using paleolimnological techniques
- Cuda. Univ. of Florida. Integrating insect herbivory with mechanical harvesting for hydrilla suppression.
- Gaskill, North, Harris, Burgin, deNoyelles. Univ of Missouri. . A Novel Geoengineering Technique for Managing Cyanobacterial Harmful Algal Blooms
- Pashnick & Thum. Montana State University. Quantitative trait locus mapping to identify genes associated with growth and herbicide tolerance in watermilfoil
- Howell, Richardson, Hofstra, Champion. Evaluation of Consumer Available Unmanned Aerial and Aquatic Vehicle Systems for Monitoring, Mapping, and Managing Aquatic Plants.

### GSRG Review Committee:

Brett Hartis (MSAPMS), Leif Willey (MAPMS), Ann Bove (NEAPMS), Ryan Wersal (National APMS), West Bishop (SCAPMS), Mark Sytsma (WAPMS), Mike Masser (TAPMS), Brett Bultemeier (FAPMS)

### Results:

The top three proposals were Thum/Chorak, Richardson, and Wilde.

The review committee voted afterwards to approve decision with 7 votes in favor and 1 abstention.

Therefore the 2019-2020 APMS GSRG will be awarded to Ryan Thum and Greg Chorak for their proposal *'Identifying Eurasian and hybrid watermilfoil gene expression differences in response to frequently used herbicides for improved adaptive management'*