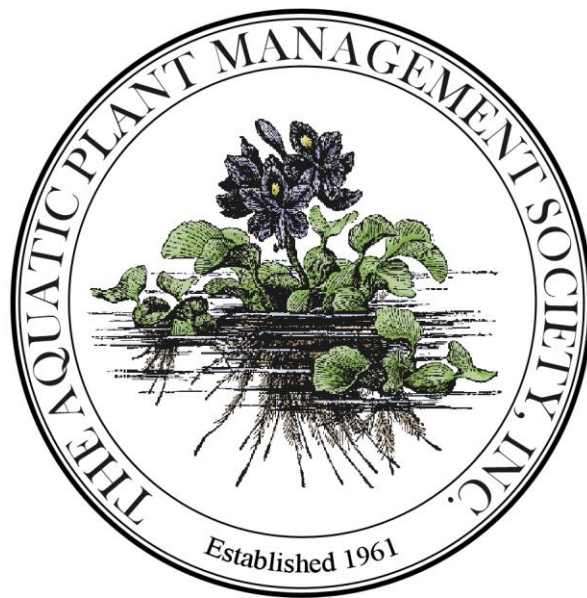


# **The Aquatic Plant Management Society**



**Board Meeting  
Hyatt Regency - Riverwalk  
San Antonio, TX  
January 29, 2019**

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**January 29, 2019**

**San Antonio, TX**

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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)**

**2018 - 2019 Board of Directors**

**Officers**

**President**

Mr. Craig Aguillard  
Winfield United

**President Elect**

Dr. Mark Heilman  
SePRO Corporation

**Vice President**

Dr. Ryan Wersal  
Lonza

**Immediate Past President**

Dr. John Rodgers  
Clemson University

**Treasurer**

Mr. Jeremy Slade (2/3)  
UPI

**Secretary**

Mr. Jeffrey Schardt (3/3)

**Editor**

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

**Directors**

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

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

Dr. Deborah Hofstra (2/3)  
National Institute of Water and  
Atmospheric Research (New Zealand)

Ms. Amy Kay (2/3)  
Clean Lakes

Mr. Marc Bellaud  
SOLitude Lake Management

Ms. Amy Ferriter  
Crop Production Services

**Student Director**

Ms. Mirella Ortiz  
Colorado State University

## 2018 - 2019 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	Brett Hartis	CAST	Lyn Gettys
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 Rodgers		
Past President's Advisory	John Rodgers		
Program	Mark Heilman		
Proposal Review	John Rodgers		
Publications	Jay Ferrell		
Regional Chapters	Ryan Wersal		
Scholastic Endowment	Tom Warmuth		
Strategic Planning	Mark Heilman		
Student Affairs	Chris Mudge		
Web Site	Ken Manuel		

## **AGENDA**

**Aquatic Plant Management Society, Inc.  
Board of Directors Meeting  
Hyatt Regency - Riverwalk  
San Antonio, TX  
January 29, 2019**

*~ Continental breakfast provided ~ 7:30 am (Central)*

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 Craig Aguillard

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

**MINUTES** - Approval of Minutes from the July 15 & 18 2018 Board of Directors Meetings and July 16, 2019 Annual Business Meeting held at the Hyatt Regency Buffalo, NY

**REPORT OF THE PRESIDENT** - Craig Aguillard

**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 - Brett Hartis  
Exhibits - Dean Jones  
Finance - John Gardner  
Legislative - Rob Richardson  
Meeting Planning - Bill Torres  
Membership - Mark Heilman

Nominating - John Rodgers  
Past President's Advisory - John Rodgers  
Program - Mark Heilman  
Proposal Review - John Rodgers  
Publications - Jay Ferrell  
Regional Chapters - Ryan Wersal  
Scholastic Endowment - Tom Warmuth  
Strategic Planning - Mark Heilman  
Student Affairs - Chris Mudge  
Web Site - Ken Manuel

## **SPECIAL REPRESENTATIVE REPORTS**

AERF - Carlton Layne  
BASS - Gerald Adrian  
CAST - Lyn Gettys  
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**

Discussion / decision on future publication of Journal of Aquatic Plant Management - Ferrell  
Authorize \$1,000 for site visits (Greenville & Charleston SC) for 2022 Conference - Torres  
Review midterm GSRG report - starry stonewort - Rodgers

## **NEW BUSINESS**

Board vote on APMS Honorary Membership for Ken Manuel - Schardt  
2019 Annual Meeting acknowledgements for Tommy Bowen / Mike Netherland - Schardt  
APMS consideration of FL Executive Order: Blue-Green Algae Task Force - Ferriter  
Consider long-term financial support of biannual BASS Conservation Grant and  
Conservation Summit luncheon - Schardt

**ADJOURN** - President Craig Aguillard

# THE AQUATIC PLANT MANAGEMENT SOCIETY, INCORPORATED

## Minutes of the Board of Directors Meeting

July 15, 2018

Hyatt Regency Hotel

Buffalo, New York

The Board of Directors of the Aquatic Plant Management Society, Inc., met on Sunday, July 15, 2018 at the Hyatt Regency Hotel in Buffalo, New York. President John Rodgers called the meeting to order at 8:00 a.m.

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, Treasurer  
Brett Hartis, Director  
Ryan Thum, Director  
Scott Nissen, Director  
Todd Olson, Director  
Deborah Hofstra, Director  
Amy Kay, Director  
Andrew Howell, Student Director

There were no Proxies.

Others in attendance during portions of the meeting:

Tommy Bowen, Meeting Planning Committee Chair  
John Gardner, Finance Committee Chair  
Dean Jones, Exhibits Committee Chair  
Carlton Layne, AERF Special Representative  
Ken Manuel, Duke Energy, Previous APMS President (2004)  
Bill Torres, Meeting Manager  
Sherry Whitaker, Meeting Registration, former APMS Treasurer

## MINUTES

After Roll Call, President Rodgers asked for approval of the Minutes from the January 16, 2018 Midyear Board Meeting held in New Orleans, Louisiana.

***Ryan Thum motioned the Board to approve the Minutes as submitted. Brett Hartis seconded the motion. The motion passed without dissenting vote.***

## PRESIDENT'S REPORT

President Rodgers informed the Board that one of his goals for the year was to implement the Strategic Plan with emphasis on reaching out for attendees, especially students to attend and present at the Annual Meeting.

## TREASURER'S REPORT

Treasurer Jeremy Slade provided the following information on the various APMS financial accounts as of July 2, 2018. The General Investment Account includes funds set aside for a two-year emergency reserve to cover Society financial commitments in the case that anticipated incomes do not materialize for those two years (e.g. the Annual Meeting is postponed). Slade reminded the Board that the three largest expenses for APMS are the Annual Meeting, the Journal, and the Graduate Student Research Grant. He advised that sponsorship for the Buffalo meeting is \$55,283; compared to the 2017 meeting in Daytona where pre-conference sponsorship was about \$71,000. Delegate pre-registration for Buffalo is \$24,000 compared to \$35,000 in Daytona. Exhibit fees are \$14,400 for Buffalo compared to \$18,400 in Daytona. Expected income for the Buffalo meeting is expected to be \$31,000 less than in Daytona.

### General and Scholastic Accounts

#### General Accounts

Checking (general operating)	\$128,279.12
Investment (incl. emergency fund)	\$244,487.42 (Incl. \$120,000 emergency fund)
Total General Accounts	\$372,766.54

#### Scholastic Accounts

Checking (discretionary)	\$7,855.08
Investment (disc. subaccount)	\$137,580.65
Total Scholastic Accounts	\$145,435.73

**Total General and Scholastic Accounts**      **\$518,202.27** (\$120,000 in emergency fund)

## SECRETARY'S REPORT

Secretary Jeff Schardt discussed activities since the Midyear Board meeting with the bulk of time directed to the Program, Newsletter, Board Book and Minutes. Schardt advised that APMS total membership is fluid, ranging around 290-300 with new members joining or previous members not renewing throughout the year. Sustaining Membership is up from 15 just a few years ago to 26 this year. Half of the \$500 Sustaining Membership dues go into the Scholastic Endowment Account. Secretary time distribution has increased to about 450 hours with new duties as Newsletter Editor. Schardt advised that the Web Site Committee needs a new Chair to replace Karen Brown who has retired, and the Board may want to consider appointing a Newsletter Editor – both duties are currently handled by the Secretary.



## EDITOR'S REPORT

Editor Jay Ferrell reported that the July 2018 issue of the Journal of Aquatic Plant Management (JAPM) has been mailed – five manuscripts and two notes. The current article acceptance rate is about 50-60%. Submissions have averaged around 35 for the past few years. Average turn-around time is around 60-80 days after the initial submission.

Ferrell reported that the Research Methods publication is being well received and thanked the authors and editors of the publication. He suggested reviewing and revising in perhaps 6-8 years.

Ferrell reported on his continuing assessment of journal publishers. Publishing has become big business, based on how quickly a paper can be published and how easily it can be found. JAPMS is a small journal with only two issues, so it can take as much as nine months from submission to publication if the article is submitted just prior to an issue being sent to the printer. It would need to be published in the next issue 6-7 months later.

Ferrell, Rob Richardson and John Madsen discussed issues with WSSA Director of Publications and Editor of the Invasive Plant Science Management journal in regard to publishing the JAPM with WSSA and shared the following points for consideration:

- All aquatics 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.

Ferrell's report generated considerable discussion. Following are key issues that were raised by Board members:

- Under the above scenario, JAPM would cease to exist.
  - APMS may ultimately lose control of editorship.
  - Without change, JAPM may eventually wither from lack of publications / readership.
- The JAPM is the “banner” publication of APMS.
- Currently JAPM has an impact factor of 0.6. Weed Science has an impact factor of ~2.0.
  - Higher factors likely attract more submissions .
  - More info will reach the scientific community.
  - Authors will get more credit for publishing in higher impact journals.
- JAPM and the Annual Meeting are the primary incentives for APMS Membership.

- What incentive will members have to stay if there is no Journal?
- APMS members will pay \$95 for annual membership beginning 2019.
- APMS members may need to pay an additional \$175/yr to access aquatics articles.
- APMS may in time lose control of editorship.
- APMS could move to four online issues per year with free color photos and figures.
  - Content may be limited per issue if submissions do not increase.
  - Would a few quarterly online articles be more attractive than more extensive semi-annual articles.
- Currently, there are just a couple aquatics presentations at a WSSA meeting.
  - Would there be just a few aquatics articles in the IPSM?
  - Would just a few articles be incentive to pay the \$175 annual dues to WSSA?
  - Would this ultimately further reduce aquatics submissions?
- Does JAPM exist to inform APMS members or is it an impact factor for faculty recognition?
  - Is JAPM a “real” journal or is it a magazine?
  - Impact factor is based on number of times a paper is cited.
  - APMS members may not be reading JAPM to cite info but to apply management strategies.
  - Do people publish to inform members or for prestige for the university?
- APMS can move toward algae research and management issues.
- APMS can move back to and solicit riparian and irrigation canal management articles.

The Board asked Ferrell to consider the discussions and options and come to the 2019 Midyear Board Meeting with recommendations for the future of JAPM.

***Brett Hartis motioned the Board to accept the Officer Reports. Ryan Thum seconded the motion. The motion passed without dissenting vote.***

## **COMMITTEE AND SPECIAL REPRESENTATIVE REPORTS**

**Awards:** Jay Ferrell provided a brief update on the status of the 2018 awards that will be presented at the Awards Banquet.

**Bylaws and Resolutions Committee:** No Report. The Bylaws revision on using the Scholastic Endowment Account solely for the GSRG passed at the previous Board meeting was advertised in the June Newsletter and is ready for general membership vote at the Annual Business Meeting.

**Education and Outreach Committee:** Chair Jeff Schardt reported that the APMS Membership Brochure needs to be updated. Perhaps after the membership votes on the proposal to increase membership dues. Schardt presented responses from teachers regarding Florida Plant Camp 2018. APMS was a sponsor of this event. Schardt mentioned that slide scanners have come down in price in recent years and a good scanner is about \$200. Schardt will purchase a scanner and begin scanning slides and photos that people have provided from previous Annual Meetings and APMS events.

**Exhibits Committee:** Chair Dean Jones reported there will be four fewer Exhibitors at the Buffalo meeting than in Daytona in 2017. While there are more Sponsors in 2018 than 2017, the participation level is lower – one fewer Platinum and two fewer Gold Level Sponsors. Accordingly, sponsorship is \$15,000 lower in 2018 than 2017.

**Finance Committee:** Chair John Gardner reported on account performance. The General and Scholastic Endowment Accounts both increased by about 6% during the past year and generated about \$22,000. APMS currently has a 50/50 mixed investment among stocks and bonds.

**Legislative Committee:** Chair Rob Richardson advised that most of his report will be presented in the Science Policy Report. Richardson advised there is movement at the national level to consolidate the mission of the Army Corps of Engineers Civil Works into the Department of Transportation and Department of Interior.

**Meeting Planning Committee:** Chair Tommy Bowen advised that attendance is around 200 for the Buffalo meeting and anticipates a net income of about \$15,000 - \$20,000 from the meeting. The hotel contracts are signed for San Diego in 2019 and San Antonio in 2020; each at \$169/night. The 2021 meeting contract is signed for the Hilton Riverside in New Orleans. Bowen is looking for suggestions for the 2022 meeting in the SCAPMS Region.

**Membership Committee:** No report. Chair Mark Heilman presented membership information in the Strategic Plan Report.

**Nominating Committee:** Chair John Madsen reiterated that the Slate of Officers and Directors is in place and was advertised in the June Newsletter. The slate is relatively short for 2018: Ryan Wersal - President; Directors - Marc Bellaud and Amy Ferriter.

**Past President's Advisory Committee:** Chair John Madsen reported that he will discuss the Proposal Review criteria at the Past Presidents Luncheon. He will also ask for the past Presidents' input on the ideas circulating regarding the future of the JAPM.

**Program Committee:** Chair Craig Aguillard thanked all who participated in assembling the Program as well as activities through the week. There are 28 students presenting. The Program will extend until 12:20 pm on Wednesday to accommodate all program requests. There are 18 posters this year, so the Poster Reception should be a successful event. The 2019 meeting will be a joint meeting with WAPMS. Madsen and Heilman are working toward presentations on the San Joaquin / Sacramento River Delta project. APMS reimburses the Regional Chapter to compensate for revenues that they would miss by not holding their own meeting. Slade advised that APMS reimbursed about \$5,000-\$6,000 to the MidSouth and South Carolina Chapters for recent joint meetings.

**Proposal Review Committee:** Chair John Madsen advised that three proposals were submitted to and vetted by the Proposal Review Committee, including 1) sponsorship of TVA Plant Camp, 2) sponsorship of the BASS 2019 conservation summit banquet, and 3) sponsorship of a workshop for high school bass team coaches. After reviewing each proposal with the Board, Madsen put forth the following two motions that were unanimously agreed upon by the Committee.

*John Madsen motioned the Board that APMS sponsor TVA Plant Camp at the \$1,000 level for 2018. Craig Aguillard seconded the motion. The motion passed without dissenting vote.*

*John Madsen motioned the Board that APMS contribute \$1,500 to BASS for the 2019 conservation summit banquet. Craig Aguillard seconded the motion. The motion passed without dissenting vote.*

The third proposal presented by the Committee is related to APMS sponsoring a workshop for high school bass club members about aquatic plants and physical planting vegetation for restoration.

*The proposal committee makes the motion that APMS partner with other organizations in contributing UP TO \$3000 for the high school bass coaches' symposium.*

There was no second for the motion. The proposal generated considerable discussion on the cost, relevance to APMS, wisdom for planting vegetation, and other APMS commitments. The lengthy discussion demonstrated a need for creating specific criteria and timeline placed in the Operating Manual for submitting a proposal for funding to the Committee. Madsen will also address the issue at the Past Presidents' Luncheon.

**Publications Committee:** Chair Jay Ferrell agreed to provide the Board with an analysis of options for the future of the JAPM and present for discussion at the 2019 Midyear Board Meeting.

**Regional Chapters Committee:** Chair Mark Heilman advised that he is working toward increasing interactions among APMS and Regional Chapters.

**Scholastic Endowment Committee:** No report.

**Strategic Planning Committee:** Chair Mark Heilman provided updates on Strategic Plan Goal progress. Under Goal 1 (*Develop and adhere to a comprehensive financial management plan*), there was discussion on setting up the availability for APMS to receive charitable contributions to the Scholastic Endowment Account for the GSRG. APMS is not a 501(c)(3) organization. Goal 2 addresses marketing and outreach. The committee will meet during the Annual Meeting and report back to the Board. Mark Heilman addressed the status of each of the seven action steps under Goal 3 (*Increase Membership and Meeting Attendance*). Participants in the room provided input or suggestions for Heilman to address with the Goal 3 committee to contemplate and refine for the Board for implementation. Brett Hartis provided input on Goal 4 (*Enhance the Society's Sustainability by sponsoring student initiatives*).

**Student Affairs Committee:** No report.

**Website Committee:** No report.

*Ryan Thum motioned the Board to approve the Committee Reports. Mark Heilman seconded the motion. The motion passed without dissenting vote.*

**AERF:** Carlton Layne advised that SOLitude Lake Management has become a Gold Level Member of AERF. Jay Ferrell is the new Chair of the Technical Advisory Group after Bill Haller's retirement. Layne received positive feedback from EPA regarding the June 2018, 5-day Florida tour of aquatic plant and mosquito control for eight EPA pesticide registration participants. A report is on the AERF web site.

**BASS:** No report beyond information presented during the Proposal Review Committee Report.

**CAST:** No discussion on the written report submitted by Representative Joe Vassios.

**NALMS:** No report.

**RISE:** There was no discussion in addition to Representative Sam Barrick's written report.

**Women of Aquatics:** Representative Amy Kay advised that WOA has developed a Strategic Plan along with refining a Mission Statement, establishing goals and objectives. WOA has appointed a Board of Directors. Future goals include expanding membership, increasing meeting opportunities and publishing a quarterly newsletter. A web site is nearing completion.

**WSSA:** Jeremy Slade commented on Representative Rob Richardson's report. Among the services provided to APMS as a WSSA member is the regular updates provided by Science Policy Lee Van Wychen. WSSA supports 70% of the Science Policy Director salary with member organizations totaling 30%. Previous years' APMS dues for WSSA were based on total APMS membership numbers for that year. Accordingly, APMS dues for 2017 were ~\$5,200 and ~\$5,400 in 2018. WSSA has advised there will be a 3% increase each year henceforth from this base and the dues for 2019 will be ~\$5,800 with a 3% increase each following year. The Board agreed that the Science Policy Director provides essential feedback on aquatics related issues.

*Todd Olson motioned the Board to approve the Special Representative Reports. Brett Hartis seconded the motion. The motion passed without dissenting vote.*

**Old Business:** None

**New Business:**

### **1. Graduate Student Research Grant (GSRG)**

Mark Heilman reported there were eight proposals submitted for the 2019-2020 GSRG. The review committee consisted of Brett Hartis (MSAPMS), Leif Willey (MAPMS), Ann Bove (NEAPMS), Ryan Wersal (National APMS), West Bishop (SCAPMS), Mark Sytsma (WAPMS), Mike Masser (TAPMS), and Brett Bultemeier (FAPMS). The top three proposals were selected from among the eight received. A final score from among seven votes and one abstention resulted in the 2019-2020 APMS GSRG to be awarded to Ryan Thum and Greg Chorak of Montana State University for their proposal "*Identifying Eurasian and hybrid watermilfoil gene expression differences in response to frequently used herbicides for improved adaptive management*".

## **2. APMS Trademark**

There was discussion regarding Aquatic Plant Management Society trademarking the name, so another entity will not some day acquire and trademark the name for their use. John Rodgers agreed to investigate the process and cost to trademark APMS.

## **3. Slide Scanner**

Secretary Schardt has recently receive archival slides from APMS members to scan and post on the APMS web site. The Society has no scanner to accomplish this task. Good scanners have come down in price to approximately \$200.

*John Rodgers motioned the Board to spend up to \$300 to purchase a slide scanner to copy archival slides and photos. Craig Aguillard seconded the motion. The motion passed without dissenting vote.*

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

The Board meeting adjourned at 1:19 p.m.

# THE AQUATIC PLANT MANAGEMENT SOCIETY, INCORPORATED

## Minutes of the Annual Business Meeting

July 16, 2018

Hyatt Regency Hotel

Buffalo, New York

The Annual Business Meeting of the Aquatic Plant Management Society, Inc. was held on Monday, July 18, 2018. President John Rodgers called the meeting to order at 4:13 p.m.

### MINUTES

The Minutes of the 2017 Annual Business Meeting held in Daytona Beach, Florida on July 17, 2017, as well as Minutes from the previous ten years were available online during the conference for review and consideration by the general membership. There was no discussion regarding these Minutes.

### PRESIDENT'S REPORT

President Rodgers had nothing to add beyond information presented during his Presidential Address earlier in the day.

### TREASURER'S REPORT

Treasurer Jeremy Slade summarized the account balances; provided in the table below. Slade advised that these figures are as of July 2, 2018 and do not include payments for the 2018 Annual Meeting Hotel balance or income from the Annual Meeting. Slade advised that the APMS finances were audited in 2018 as they are each year and were found to be in order. He also informed the Membership that the APMS financial books are available for inspection at the Registration Desk throughout the meeting.

#### General and Scholastic Accounts

##### General Accounts

Checking (general operating)	\$128,279.12
Investment (incl. emergency fund)	\$244,487.42 (Incl. \$120,000 emergency fund)
Total General Accounts	\$372,766.54

##### Scholastic Accounts

Checking (discretionary)	\$7,855.08
Investment (disc. subaccount)	\$137,580.65
Total Scholastic Accounts	\$145,435.73

**Total General and Scholastic Accounts**      **\$518,202.27** (\$120,000 in emergency fund)

## SECRETARY'S REPORT

The Secretary keeps track of membership after dues are paid. Annual Membership is fluid, and is approximately 305-310 as of the 2018 Annual Meeting. Schardt solicited articles and current event topics from the membership for the Newsletter.

## EDITOR'S REPORT

Editor Jason Ferrell advised the Membership that Journal of Aquatic Plant Management (JAPM) remains on time with the July 2018 issue already shipped. Ferrell advised that each APMS member should have received a copy of the APMS publication entitled *Research Methods in Aquatic Plant Management* – shipped with the January 2018 issue of the JAPM. The publication consists of 15 chapters describing practical experiences on how aquatic plant management research is set up and done. Ferrell thanked the Regional Chapters and the Aquatic Ecosystem Research Foundation (AERF) for contributing greatly to financing the publication of the *Research Methods*. There is no charge to APMS members, but the publication will be for sale to non-members.

*Ken Manuel motioned to accept the Officer Reports. Samantha Sardes seconded the motion. The motion was approved without dissenting vote.*

## COMMITTEE AND SPECIAL REPRESENTATIVE REPORTS

**Awards:** No report.

**Bylaws and Resolutions Committee:** Chair Vernon Vandiver outlined a proposal, suggested by the APMS Finance Committee and approved by the Board, to amend the APMS Bylaws, creating a stand-alone financial account to be used only to fund the APMS Graduate Student Research Grant. (GSRG). This proposal is a direct result from 2017 Strategic Planning and had been noticed in the APMS Newsletter prior to the 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.*

*Tommy Bowen motioned the Board to approve the proposed change to Article 16 of the Bylaws (language above). Robert Blackburn seconded the motion. The motion passed without dissenting vote.*



**Education and Outreach Committee:** Chair Jeff Schardt advised that the APMS display has updated to two light-weight retractable banners that are available to members to use at meetings. The membership brochure is under revision. Schardt advised that APMS was again a proud sponsor of Florida Plant Camp in 2018. The University of Florida calculates that more than 325 teachers have participated in FL Plant Camp over the previous 13 years and have ultimately reached ~225,000 students with information and activities on invasive aquatic plants. TVA Plant Camp continues to grow now including teachers from all seven of the states encompassed in the TVA system. Like FL Plant Camp, TVA Plant Camp now sponsors 24 teachers to attend a week-long course on aquatic and invasive plants.

**Exhibits Committee:** Chair Dean Jones thanked the APMS Exhibitors and Sponsors. There were 20 paid Exhibitors at the meeting. Jones informed there were 20 Sponsors.

**Finance Committee:** Chair John Gardner advised that APMS had positive growth of about 6% in both investment accounts. General Investments grew by about \$13,834 Scholastic Endowments grew by about \$8,321.

**Legislative Committee:** No Report.

**Meeting Planning Committee:** Chair Tommy Bowen asked for comments to improve future meetings. He advised that the 2019 Annual Meeting will be in San Diego, CA, 2020 in San Antonio, TX and 2021 in New Orleans. He asked for site suggestions for the 2022 Annual Meeting scheduled for the South Carolina Region.

**Membership Committee:** Chair Mark Heilman advised there are 308 APMS members; 222 Individual Members, 27 Sustaining, 38 Student, and 21 Honorary Members.

**Nominating Committee:** Chair John Madsen read the slate of Officer and Director candidates recommended by the Nominating Committee and APMS Board for approval by the general Membership. The slate (listed below) was advertised in the APMS Newsletter 30 days prior to the Annual Business Meeting with candidate biographies to meet notification requirements.

Vice President	Ryan Wersal - Lonza
Director	Marc Bellaud - SOLitude Lakes
Director	Amy Ferriter - Crop Production

John Madsen asked for a motion to approve the Slate.

*Samantha Sardes motioned to accept the Slate of Delegates as recommended by the Nominating Committee. Mark Heilman seconded the motion. The motion passed without dissenting vote.*

**Past President's Advisory Committee:** No report.

**Program Committee:** Chair Craig Aguiard thanked the speakers and encouraged all to attend each session.

**Proposal Review:** No report.

**Publications Committee:** No report.

**Regional Chapters Committee:** Chair Mark Heilman related discussions at the Regional Chapter Luncheon.

**Scholastic Endowment Committee:** Chair Tom Warmuth reported that there were 20 donations to the raffles and silent auctions totaling more than \$4,000 in cash cards and prizes.

**Strategic Planning Committee:** Chair Mark Heilman reported on the status of goals from the 2017 Strategic Plan and solicited sign-ups for the APMS Committees

**Student Affairs Committee:** Chair Chris Mudge reported that there are 26 students presenting at the Annual Meeting, representing nine universities. This includes 15 students that have never presented at the APMS Annual Meeting. He thanked Mike Greer of the Corps of Engineers Buffalo District for arranging the student tour that will include 16 students and travel to 5-6 management sites.

**Website Committee:** No report.

*Lee Van Wychen motioned to accept the Committee Reports. Brett Hartis seconded the motion. The motion passed without dissenting vote.*

**AERF:** No report.

**BASS:** Representative Gerald Adrian reported that APMS and AERF sponsored the banquet at the Bassmaster Classic on Lake Hartwell, SC. Brett Hartis spoke on aquatic plant management issues at the banquet. APMS worked with Robert Montgomery to write an article about aquatic plant management on the Harris Chain of Lakes in Florida.

**CAST:** No report.

**NALMS:** No report.

**RISE:** No report.

**Women of Aquatics:** Representative Amy Kay reported that WOA became a non-profit organization in March 2017. WOA plans to organize and present at all seven APMS Chapter Meeting. WOA underwent strategic planning in February 2018, appointing a Board of Directors, revising the mission statement, identifying values, and developing a strategic plan.

**WSSA:** No report.

**Science Policy Director:** Lee Van Wychen advised that he is now Executive Director for Science Policy. John Madsen has been appointed on the technical advisory committee for

biological control with WSSA. Van Wychen asked for input on the Administration's proposal to move the Corps of Engineers aquatic plant management program between the Department of Interior and Department of Transportation.

***Tommy Bowen motioned to accept the Special Representative Reports. Robert Blackburn seconded the motion. The motion passed without dissenting vote.***

**Old Business:** None.

**New Business:** President Rodgers explained a proposed increase in Individual Membership dues from \$75 to \$95 per year beginning in 2019. The proposal also directs 20% of Individual Membership dues to be deposited into the Scholastic Endowment Account. This proposal is a result of the 2017 Strategic Planning and was advertised in the Newsletter prior to the Annual Meeting.

***Vernon Vandiver motioned to increase APMS annual Individual Membership dues from \$75 to \$95 beginning in 2019. Jay Ferrell seconded the motion. The motion passed without dissenting vote.***

Jeremy Slade advised that the Board decided, beginning in 2019, APMS will provide an Annual Membership for the ensuing year for persons registering for the Annual Meeting. Therefore, persons registered for the 2019 Annual Meeting will receive a free membership for 2020. Persons not attending the 2019 Annual Meeting will pay dues for 2020 in January 2020.

***John Madsen motioned to adjourn the Annual Business Meeting. Craig Aguillard seconded the motion. The motion passed without dissenting vote.***

The meeting adjourned at 4:58 p.m.

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

## **Minutes of the Board of Directors Meeting**

**July 18, 2018**

**Hyatt Regency Hotel**

**Buffalo, New York**

The Board of Directors of the Aquatic Plant Management Society, Inc., met on Wednesday, July 18, 2018 at the Hyatt Regency Hotel in Buffalo, New York. President Craig Aguillard called the meeting to order at 1:11 p.m.

Officers and Directors present at roll call were:

Craig Aguillard, President  
Mark Heilman, President Elect  
Ryan Wersal, Vice President  
John Rodgers, Immediate Past President  
Jeremy Slade, Treasurer  
Jeffrey Schardt, Secretary  
Todd Olson, Director  
Deborah Hofstra, Director  
Amy Kay, Director  
Marc Bellaud, Director  
Amy Ferriter, Director

There were no Proxies.

Others in attendance during portions of the meeting:

Tommy Bowen, Meeting Planning Committee Chair  
John Gardner, Finance Committee Chair  
Ken Manuel, Duke Energy, Previous APMS President (2004)  
Chris Mudge, Student Affairs Committee Chair  
Bill Torres, Meeting Manager  
Vernon Vandiver, Bylaws Committee Chair  
Lee Van Wychen, WSSA - Executive Director of Science Policy

## **PRESIDENT'S REPORT**

President Aguillard called the meeting to order at 1:11 p.m. and thanked Board members for their attendance.

## **TREASURER'S REPORT**

Treasurer Jeremy Slade advised that the preliminary evaluation of Annual Meeting income is

\$101,398. The Silent Auction and Raffle generated about \$6,000. The estimate for net proceeds from the Meeting is \$20,000-\$22,000. Final numbers will be presented at the Midyear BOD meeting. Attendance was 201 – the planning estimate was about 170.

## **SECRETARY’S REPORT**

No report.

## **EDITOR’S REPORT**

No report.

*Todd Olson motioned the Board to accept the Officer Reports. John Rodgers seconded the motion. The motion passed without dissenting vote.*

## **COMMITTEE AND SPECIAL REPRESENTATIVE REPORTS**

**Awards:** No report.

**Bylaws and Resolutions Committee:** No Report. The Bylaws revision on using the Scholastic Endowment Account solely for the GSRG was approved by the Membership at the Annual Business Meeting.

**Education and Outreach Committee:** Chair Jeff Schardt reported that Brett Hartis agreed to chair the E&O Committee. The Committee will work to update the APMS Membership Brochure.

**Exhibits Committee:** No report.

**Finance Committee:** No report.

**Legislative Committee:** No report.

**Meeting Planning Committee:** Chair Tommy Bowen will contact SCAPMS representatives to see if they want to cohost the 2022 Annual Meeting. Bowen also asked for site suggestions for the 2022 meeting. Bowen has received suggestions to move the Annual Meeting dates forward one day – starting with the pre-conference BOD and President’s Reception on Monday with the meeting running from Tuesday morning through Thursday noon. Upon checking with hotels, the APMS Sunday-Wednesday meeting format works well with their scheduling and may offer the best room rates for APMS.

**Membership Committee:** No report.

**Nominating Committee:** No report. The Board openings for the 2019 Slate are Editor, Secretary and two Directors.

**Past President's Advisory Committee:** Schardt advised that the Past Presidents agreed that APMS should develop and post Proposal Review Criteria in the Operating Manual. The Past Presidents provided input on the future of the Journal. They wanted the Journal to stay with APMS. They suggested providing the Journal online to address speed, cost, and accessibility of the Journal and research content. Ferrell attended the Past Presidents' Luncheon and will provide the Board with Journal recommendations at the Midyear BOD meeting.

**Program Committee:** Chair Mark Heilman advised he already has accepted six presentations for the 2019 Annual Meeting from the Sacramento Delta project. Heilman is considering a special session on eradication. The Board suggested soliciting presentations on canal and algae management as well. Heilman also suggested moving the Sunday President's Reception from a start time of 7:00 pm to 6:00 pm to accommodate Eastern Time Zone attendees.

**Proposal Review Committee:** No report.

**Publications Committee:** No report.

**Regional Chapters Committee:** No report.

**Scholastic Endowment Committee:** No report.

**Strategic Planning Committee:** Todd Olson updated activities related to Goal 2 of the Strategic Plan. This included working with a contractor to provide ideas on increasing membership.

*Todd Olson motioned the Board to approve up to \$2,000 to contract with It's All Good Media to develop a social media process that addresses Strategic Goal #2 (Design and implement a broad marketing and outreach plan). Mark Heilman seconded the motion. The motion passed without dissenting vote.*

**Student Affairs Committee:** Chair Chris Mudge reported that 16 students are scheduled for the Student Tour. Student participation was timely and good quality this year.

**Website Committee:** Chair Ken Manuel will contact APEX to understand the current web site process and evaluate incorporating new ideas that were proposed during the Board meeting.

*John Rodgers motioned the Board to approve the Committee Reports. Todd Olson seconded the motion. The motion passed without dissenting vote.*

**AERF:** No report.

**BASS:** No report.

**CAST:** No report.

**NALMS:** No report.

**RISE:** No report.

**Women of Aquatics:** Representative Amy Kay reported that 27 attended the WOA Luncheon and had good discussions among attendees. Kay indicated that WOA would like to continue with the luncheon during next year's APMS Annual Meeting.

**WSSA:** Lee Van Wychen will investigate the discussions of transferring the USACE research portion of Civil Works into the Department of Interior and Department of Transportation.

*Todd Olson motioned the Board to approve the Special Representative Reports. Brett Hartis seconded the motion. The motion passed without dissenting vote.*

**Old Business:** None

**New Business:**

John Madsen requested forming an ad hoc committee to address the issue of herbicide resistance; to evaluate the terms resistance and tolerance. What constitutes herbicide resistance and how should the terms be used in scientific presentations? Ryan Thum has expressed interest in participating on the committee.

*John Rodgers motioned the Board to form an ad hoc committee, Chaired by John Madsen, to develop a white paper clarifying the terms herbicide tolerance and resistance. Ryan Wersal seconded the motion. The motion passed without dissenting vote.*

The Board discussed merits of holding the Midyear Board meeting in San Diego vs. somewhere closer to the middle of the country. Most of the Board will travel from the eastern or central time zone. The Board decided to meet at the Hyatt Regency San Antonio Riverwalk, site of the 2020 Annual Meeting, on January 29 with the 28<sup>th</sup> and 30<sup>th</sup> for travel.

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

The Board meeting adjourned at 3:30 p.m.

President's Report  
Midyear Board Meeting  
January 29, 2019

Attended several Regional chapter meetings including FAPMS, MSAPMS, TXAPMS and presented the APMS update. Submitted request to support Florida Plant Camp to Dr. Rodgers for review by his committee. Had several requests from members about renaming out Graduate Student research grant and or the Outstanding Graduate Student award in memory of Dr. Mike Netherland. Appointed Lyn Gettys to be the APMS representative to CAST.

Craig Aguillard



January 29, 2018

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

From: Jeremy Slade

Subject: Report of the Treasurer

**General and Scholastic Accounts.**

**Enclosure 1** is a summary of the General and Scholastic Checking and Investment Accounts. Totals are as of 12/31/2018.

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

**2018 Income and Expenses.**

**Enclosure 2** is a summary of income and expenses for the period January 1, 2018 through December 31, 2018.

**2019 Preliminary Budget.**

**Enclosure 3** is a preliminary budget for the January 1, 2019 through December 31, 2019 which estimates a net income (deficit) of (-\$42,025).

**Audit and Federal Return.**

All APMS financial records and related information will be made available to Winston, Williams, Creech, Evans, & Company, LLP to conduct an audit of our financial statements as of December 31, 2018. In addition, they will prepare our federal information return for the year ended December 31, 2018. The estimated fees for these services should not exceed \$6,000.00.

**Accounts Payable of Interest:**

Montana State University (Year 1) - \$20,000

Starry Stonewort GSRG (Year 2) - \$30,000 total (\$5,000 from APMS)

Total = \$50K

CAST renewal- \$1,500

AERF renewal- \$1,000

Secretary Stipend- \$5,000

Plant Camp request- \$1,000

BASS conservation award- \$3,000

Allen Press- January 2019 volume of the JAPM \$7,500

Total = ~\$20K (next 6 months)

**3 Enclosures**

The Aquatic Plant Management Society, Inc.

General and Scholastic Accounts

December 31, 2018

General and Scholastic Accounts

General Accounts

Checking (general op)	\$31,342.66 (1/7/19)
Investment (emergency)	\$238,600.27 (12/31/18)

Total General Accounts	\$269,942.93
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Scholastic Accounts

Checking (discretionary)	\$50,873.08 (1/7/19)
Investment (disc. subaccount)	\$133,212.41 (12/31/18)

Total Scholastic Accounts	\$184,085.49
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Total General and Scholastic Accounts	\$454,028.42
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# The Aquatic Plant Management Society, Inc. **2018 Income and Expense Report** January through December 2018

Jan - Dec 18	
Ordinary Income/Expense	
Income	
Annual Meeting Income	
Contributions	56,183.00
Delegate 1-Day Registration	925.00
Delegate Pre-Registration	18,600.00
Delegate Registration	8,625.00
Event Tickets	475.00
Exhibit Fees	14,400.00
Guest Pre-Registration	2,080.00
Guest Registration	310.00
Student Registration	300.00
Total Annual Meeting Income	101,898.00
Journal Income	
Page Fees	8,155.00
Research Methods Publication	1,040.00
Subscriptions	6,000.00
Journal Income - Other	10,000.00
Total Journal Income	25,195.00
Membership Income	
Individual	9,440.00
Student	280.00
Sustaining	13,000.00
Membership Income - Other	75.00
Total Membership Income	22,795.00
Scholastic Endowment Income	
Contributions	1,020.00
Graduate Assistantship	
Starry Stonewort Grant	20,000.00
Graduate Assistantship - Other	8,000.00
Total Graduate Assistantship	28,000.00
Netherland Memorial	4,870.00
Raffle & Silent Auction	5,773.00
Total Scholastic Endowment Income	39,663.00
Total Income	189,551.00
Expense	
American Express Annual Fee	140.00

# The Aquatic Plant Management Society, Inc. **2018 Income and Expense Report** January through December 2018

	Jan - Dec 18
Annual Meeting Expense	
Audio Visual Equipment	5,583.79
Deposit	2,000.00
Food & Beverage	56,145.07
Meeting Planner	1,650.00
Poster Boards	630.75
Program	0.00
Shipping of Materials	200.50
Signs	1,824.72
Student Guest Rooms	9,215.07
Student Meals	361.00
Student Tour	1,185.36
Travel Meeting Planner	447.60
WSSA Rep Travel	783.17
<b>Total Annual Meeting Expense</b>	<b>80,027.03</b>
Awards	
Oral Presentation	600.00
Plaques/Certificates	1,906.35
Poster Award	600.00
<b>Total Awards</b>	<b>3,106.35</b>
Corporation Annual Report Fee	61.25
Credit Card Merchant Processing	
Card Fees	4,691.24
<b>Total Credit Card Merchant Processing</b>	<b>4,691.24</b>
Dues	
AERF	1,000.00
CAST	1,500.00
RISE	575.00
WSSA	5,436.36
<b>Total Dues</b>	<b>8,511.36</b>
Education/Outreach	
Insurance	5,000.00
Board of Dir. & Gen. Liability	453.00
Board of Directors Liability	807.00
Commercial Bond	221.00
General Liability	284.00
<b>Total Insurance</b>	<b>1,765.00</b>
Interest Expense	
Loan Interest	30,097.59
<b>Total Interest Expense</b>	<b>30,097.59</b>

# The Aquatic Plant Management Society, Inc. **2018 Income and Expense Report** January through December 2018

	Jan - Dec 18
Journal Expense	
Editor Stipend	6,000.00
Manuscripts	27,083.79
Printing & Postage	399.38
Total Journal Expense	33,483.17
Meeting Planner	
Meeting 3 years out	750.00
Travel reimbursement	1,732.06
Total Meeting Planner	2,482.06
Miscellaneous	227.98
President's Expense	
Travel	1,030.70
Total President's Expense	1,030.70
Printing and Reproduction	770.78
Professional Fees	
Accounting	6,000.00
Total Professional Fees	6,000.00
Scholastic Endowment Expense	
Graduate Assistantship	50,000.00
Total Scholastic Endowment Expense	50,000.00
Secretary Stipend	10,000.00
Supplies	47.70
Travel	
Board Member Travel to Meetings	97.50
Registration Booth Staff	777.36
Total Travel	874.86
Website	
Administration	3,600.00
Total Website	3,600.00
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	246,202.93
Net Ordinary Income	-56,651.93

# The Aquatic Plant Management Society, Inc. 2018 Income and Expense Report January through December 2018

	Jan - Dec 18
Other Income/Expense	
Other Income	
Interest Income	
General	10,016.60
Scholastic	5,666.45
Total Interest Income	15,683.05
Other Income	
Refund	15.94
Total Other Income	15.94
Total Other Income	15,698.99
Net Other Income	15,698.99
Net Income	<b>-40,952.94</b>

**The Aquatic Plant Management Society, Inc.**  
**Preliminary Budget**  
January through December 2019

**Income/Expense**

**Income**

Annual Meeting Income	110,000.00
Journal Income	15,000.00
Membership Income	23,000.00
Scholastic Endowment Income	15,000.00
<b>Total Income</b>	<b>163,000.00</b>

**Expense**

Annual Meeting Expense	80,000.00
Awards	3,000.00
Contributions	5,000.00
Dues	8,250.00
Fees	5,000.00
Insurance	2,300.00
Journal Expense	17,500.00
Postage and Shipping	125.00
Printing and Reproduction	900.00
Professional Fees*	19,000.00
Scholastic Endowment Expense	50,000.00
Supplies	350.00
Travel	5,000.00
Website	3,600.00
Winter Board Meeting	5,000.00
<b>Total Expense</b>	<b>205,025.00</b>

<b>Net Income</b>	<b>-42,025.00</b>
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			Funding Source, Amount & Percentage for Meeting							Meeting Cost Analysis		
Year	Venue	Attend	Sponsor	%	Exhibitor	%	Registration	%		Income	Expense	Net
2018	Buffalo	201	56,183	55	14,400	14	31,315	31		101,898	83,133	18,765
2017	Daytona Beach	217	71,065	56	18,400	14	38,880	30		128,345	80,447	47,898
2016	Grand Rapids	172	45,360	52	15,400	17	27,021	31		87,781	64,406	23,375
2015	Myrtle Beach	248	47,712	43	18,200	16	45,620	41		111,532	121,644	-10,112
2014	Savannah	213	49,739	47	19,600	19	36,495	34		105,834	95,588	10,246
2013	San Antonio	208	52,472	48	18,900	18	37,180	34		108,552	85,598	22,954
2012	Salt Lake City	160	50,750	52	17,500	18	29,540	30		97,790	81,839	15,951
2011	Baltimore	180	59,652	55	16,800	15	32,860	30		109,312	97,009	12,303
2010	Bonita Springs	286	74,263	54	15,505	11	48,290	35		138,058	107,099	30,959
	Average	209	56,355	51	17,189	16	36,356	33		109,900	90,751	19,149



Aquatic Plant Management Society  
Board of Directors Meeting  
January 29, 2019  
Hyatt Regency Riverwalk, San Antonio, TX

**Secretary Report**

Submitted by: Jeffrey D. Schardt

The following tasks have been completed since the Buffalo, NY Post-conference Board Meeting.

**Minutes:** Approved Minutes from previous Board Meetings are posted on the APMS web site under Members Only / Documents. A listing of Motions approved by the Board since 2009 that are related to business of the Society is posted on the APMS web site under Members Only / Documents and Archives / APMS Business Motions 2009-2018. Motions that commit APMS funds are highlighted in yellow.

**PLMA Donations:** Thank-you letters were sent on January 9, 2019 to 7 members of the Professional Lake Management Alliance (PLMA) for their financial contributions to the APMS Scholastic Endowment Account and support of the APMS Graduate Student Research Grant. PLMA members contributed \$408 to APMS in 2018 for a total of more than \$41,000 since the inception of the program.

**Membership Invoices:** 2019 Invoices and information on APMS achievements for 2018 were emailed to the Sustaining Members on January 2, 2019. We have built Sustaining Membership up to 27 from a low of 15 just a few years ago. In addition to incentives of regular membership, APMS recognizes Sustaining Members in the APMS Newsletter, links Sustaining Member companies with the APMS webpage, and recognizes Sustaining Members in the Annual Meeting Program.

Dues notifications for Individual and Student Members were also emailed on January 2. We sent notifications to members who had not renewed as far back as 2016. Most members are now renewing dues payments online. Some people still FAX or email dues to the Treasurer who forwards notice of payment to the Secretary to update the database.

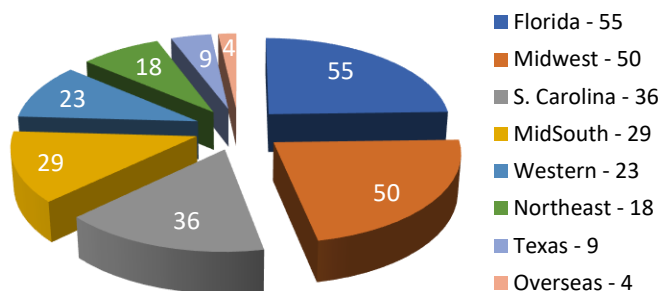
**Scanner:** I purchased a scanner for ~\$225. So far, I have scanned Annual Meeting slides from 1985-1992 provided by Bill Haller. Slides from the 1985 Sarasota, FL meeting are posted on the web site under Annual Meeting Archives. Posting the photos creates a new project - identifying people in the photos. Many of the slides are of individual Officers or Directors who played important roles in the Society's history. I put a short label on each photo before realizing that these titles become visible when you click on the thumbnails.

**Website Information Updates:**

- Updated Board and Committee personnel for APMS year 2018-2019
- Added 2018 Award and GSRG recipients
- Posted San Diego Annual Meeting information
- Published / posted October Newsletter on web site
- Updated APMS PowerPoint presentation and posted on web site

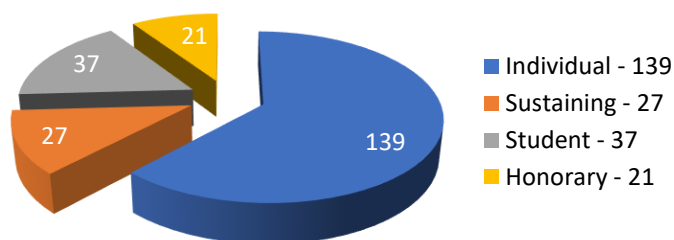
**Membership:** The following charts break down APMS Membership as of December 31, 2018. The chart to the right shows the 224 APMS members by the Regional Chapter boundaries in which they reside. The bottom chart shows APMS members by membership type. Membership has hovered around 290 – 300 in recent years. However about 40 members did not renew from 2016 to 2017 and 62 members that paid in 2017 did not renew memberships in 2018. Many of these people are still active in aquatics and attend and present at the APMS Annual Meeting.

**Membership by APMS Regional Boundary**



Three dues notices were sent via email to Individual and Student members in 2018. Student and Sustaining memberships each increased by two in 2018 and active Honorary membership remained at 21. Individual membership dropped by more than 60. I sent email dues notifications on January 2, 2019 and will send another on February and March 4. After that, I will send a letter on April 4 to people who have not yet paid 2019 dues, encouraging them to renew membership.

**APMS Membership Distribution**



**2018 Expenditures:** As outlined in the APMS Operating Manual, I have included a breakdown of AMEX card expenditures so far for APMS year 2018-2019 for the Office of the Secretary. Also below is the budget estimating expenditures for the Office of the Secretary for 2019.

Date	Shipping / Postage	Travel	Supplies	Amount
07/31/18	Replace & new member journals			21.17
08/01/18			Slide/Photo Scanner	224.69
10/23/18	New member research methods			14.30
11/02/18	New member research methods			6.70
11/19/18	New member research methods			6.70
12/28/18	New member research methods			6.70

### **Proposed Budget for 2019 - Office of the Secretary**

#### **Item**

#### **Estimated Cost**

Postage (mail journals): \$100

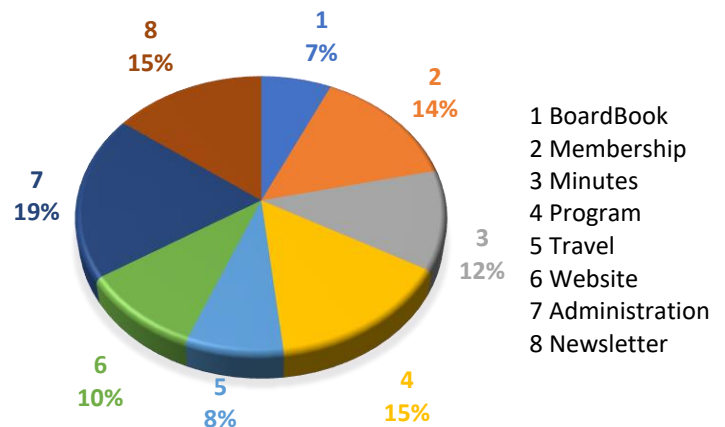
Secretary Travel Expenses: \$1,500  
hotel, parking, gasoline

Expense	Mid-year	Annual
hotel	450	900
travel	181	600
<b>Total</b>	<b>\$631</b>	<b>\$1500</b>

## Secretary Duties and Time Allocations:

The graph to the right and table below provide a breakdown of Secretary duties and approximate time in hours allocated to these tasks during 2018. I spent about 425 hours or about 20% of a full-time position performing APMS Secretarial duties. A monthly breakdown by task is available upon request.

## 2018 Secretary Duties & Time Distribution



Board Book	Mbrshp.	Minutes	Program	Travel	Website	Admin.	Newsletter	Total
29	62	49.5	64.25	33.25	42	81.75	62.75	424.5

## March 2019 Newsletter:

The March Newsletter is dedicated mostly to Annual Meeting. I would like to publish the Newsletter by February 25 or will need to wait until March 8. Below is the Table of Contents from the March 2018 Newsletter. You can view the full Newsletter on the web site at <http://www.apms.org/newsletters/>. If you have ideas for articles, please let me know.

- 1 Annual Meeting Announcement
- 3 Meeting Registration Form
- 4 Call for Papers
- 5 Abstract Submission Instructions
- 6 Student Presentation Contests & Incentives
- 7 2018 Graduate Student Research Grant
- 8 Call for Sponsors, Exhibitors, Award Nominees—New Research Methods Book
- 9 Annual Meeting Exhibit Booth Form
- 10 APMS Sponsors New Zealand & TVA meetings
- 12 Washington Report
- 16 APMS Sustaining Members APMS Chapter and Related Meetings
- 17 APMS Officers, Directors, Committee Chairs, Special Representatives
- 18 APMS Background and Mission

Editor Report – Journal of Aquatic Plant Management  
January 2019 Board Meeting  
Jason Ferrell

JAPM 57:1 (Jan 2019) is fully edited and with the printer. It contains 8 manuscripts (5 papers and 3 notes).

Total number of submissions:

2013 – 52

2014 – 50

2015 – 26

2016 – 34

2017 – 47

2018 – 34

2018 by the numbers

Accept            67%

Reject            24%

Resubmit        9%

On average, we are 36 days for an editorial decision. It can be as high as 60 days for a major revision and as low as 1 day for a final accept.

Change of publisher

At the last BOD meeting we discussed the possibility of merging JAPM in with *Invasive Plant Science and Management* (a WSSA journal). Though JAPM would cease, the purpose of this was to increase the visibility of our science. The BOD asked that consult with the Past Presidents. The Presidents rejected this idea on the grounds of lack of institutional control.

Outstanding JAPM article award

The AEs have been surveyed to select papers for consideration.

December 13, 2018

Dear Dr. Farrell and Mr. Schardt,

Allen Press is pleased to announce that we have partnered with Silverchair to be our exclusive online publishing software and hosting provider. The Silverchair Platform provides publishers with the most technologically advanced web presence for scholarly and scientific content and offers significant site enhancements, new publishing tools and a more robust user experience.

We are incredibly excited to provide our independent society and association publishers access to the Silverchair Platform as we believe your content deserves the very best technology available. It's publishers like you that push science and our society forward. All expenses associated with the migration, including all content, articles and metadata will be moved to the Silverchair Platform free of charge in 2019. In addition, your journal will receive a freshly redesigned website developed by our in-house marketing agency.

Your new Silverchair journal website includes:

- More modern technology, flexibility and customizations
- A fresh and responsive web design optimized to display on any desktop, tablet or mobile device
- Complimentary web audit and consultation from our in-house team of digital marketing experts
- Seamless single sign-on integration for member and subscriber authentication
- Built-in high-resolution video delivery via Brightcove
- Automated, personalized related content suggestions
- Access to the [Silverchair Universe](#) partner network, which features complementary product and service integrations such as Altmetric, Figshare, RedLink, Remarq, Hypothesis and TrendMD

Furthermore, we have a special offer for you as a loyal Allen Press customer. In addition to the free migration and website design, your journal's online publishing prices will remain flat for up to seven years when you extend your current online publishing contract with Allen Press. This offer is good through January 31, 2019 as we understand you may need to discuss this opportunity with your leadership team. If you have any questions, please contact your Allen Press Sales Executive.

A live demonstration of the Silverchair Platform is scheduled for January 10 at 1:00pm ET. Visit our [GoToWebinar page](#) to register for the webinar. A recording of the demonstration will also be distributed after January 10 to all Allen Press online publishing customers.

Thank you for your continued support and trusting Allen Press with your journal's online web presence. We will keep you up to date as the project timeline develops. Please let me know what questions you may have in the meantime.

Best regards,

Elizabeth Just  
[ejust@allenpress.com](mailto:ejust@allenpress.com)  
Sales Executive

# Invoice



ALLEN  
PRESS

www.allenpress.com

## INVOICE

(800) 627-0326

Invoice Number: 0000003416  
Invoice Date: 06/29/2018  
Payment Terms: Net Due 30 Days  
Due Date: 07/29/2018  
Currency:

### Billing Address:

Jeremy Slade  
Aquatic Plant Mgmt Society  
Ctr for Aquatic & Invasive Plant  
7922 NW 71st St  
Gainesville, FL 32653

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### JOURNAL OF THE AQUATIC PLANT MANAGEMENT SOCIETY

Volume 56, Number 2 July 2018  
350 copies 52 pp. plus cover

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**Journal of Aquatic Plant Management Society (for Aquatic Plant Management Society)**

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	SSL Certificate, per year	500.00
	<i>*Includes one SSL certificate. Additional SSL certificates will be billed additional.</i>	

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**APMS Mid-Winter Board of Directors Meeting  
January 2019**

**Report of the Awards Committee**

Chair: Jason Ferrell

Committee Members: Rob Richardson, John Madsen, Open position, and Ryan Wersal

The APMS recognizes members for various contributions via the presentation of awards during our banquet at the annual meeting. Criteria for the various awards are listed in the ops manual. The recognition of our members is an important function of APMS and the Awards Committee is seeking nominations for the following awards:

President's Award – (*Greg MacDonald and Linda Nelson 2015, John Madsen and Mike Netherland 2016; Jay Ferrell 2017; Bob Blackburn and Sherry Whittaker 2018*). The 2019 recipients will be nominated by Craig A.

Honorary Member Award: (*Jim Schmidt 2016, Jeff Schardt, Joe Joyce 2017, Dave Isaacs Vernon Vandiver 2018*) *Potential selections: **Eric Barkemeyer**,*

T. Wayne Miller Distinguished Service Award - (*Jim Schmidt 2014, Jeff Schardt 2015, Craig Aguillard 2016, Tommy Bowen 2017; Tyler Koschnick 2018*). *No current nominations.*

*Max McCowen Friendship Award – (Tommy Bowen 2014, Steve Hoyle 2015, Ken Manuel 2016, David Isaacs 2017; John Garnder 2018) – No current nominations*

Outstanding Graduate Student Award – (*Justin Nawrocki 2014, Erica Haug 2015, Kyla Iwinski 2016, Alyssa Calomeni 2017; Andrew Howell 2018*) *No current nominations*

Outstanding Research or Technical Contributor Award – (*John Rodgers 2015, Rob Richardson 2016, Ryan Thum 2017; Scott Nissen 2018*) *No current nominations*

Outstanding International Contribution Award - (*No award in 2014 or 2015, Paul Champion 2016, John Clayton 2017, Tony Dugdale 2018*) *No current nominations*

Outstanding JAPM Article Award – (*M. Netherland and L. Glomski 2015, Greg Bugbee et al. 2016, Nawrocki et al. 2017, Thum et al. 2018*). This award is administered by Dr. Ferrell and the Associate Editors.

During the Banquet we also recognize our outgoing Directors and Officers. During the meeting we select awards for Student Presentation, Poster Winners, and the Exhibitors Excellence Award.

Additional Plaques:

2 Outgoing directors

1 student director

1 President

1 gavel for new president

### **From the Ops Manual**

#### **Awards Committee**

1. Be comprised of not less than three (3) voting members of the Society.
2. Prior to the Annual Meeting, the Chair shall solicit through the Newsletter and Website or shall make recommendations to the Board, nominations for membership awards qualifying in accordance with Chapter IV, Section A of this Operating Manual.
3. Prior to the Annual Meeting, arrange for the purchase and inscription of plaques, certificates, and other items to be presented at the Annual Meeting.
  - a. Honorary Member Award – check with the Bylaws and Resolutions Committee for candidates.
  - b. President's, T. Wayne Miller Distinguished Service, and Max McCowen Friendship Award – check with current President as to recipients, if any. APMS Operating Manual updated March 2013
  - d. Outstanding Graduate Student Award – Check with current President as to recipients, if any. Outstanding JAPM Article Award – check with current President or Editor as to recipients, if any.
  - h. Student Presentation Awards – coordinate with Student Affairs Committee.
  - i. Exhibitor's Excellence Award – coordinate with Exhibits Committee.
  - j. Outgoing Officers and Directors – coordinate with the Nominating Committee.
4. At the Annual Meeting, coordinate participation, qualifications, criteria and student panel judge selection for the (non-student) Best Poster Award.
5. Utilize and update, as necessary, the APMS Award/Honors Procedures and Criteria found in Chapter IV, Section A of this Operating Manual, and assist in determining copy on plaques, certificates, etc.
6. Provide the Membership Committee annual lists of Awards and Honor recipients for entry into the Society's permanent record and posting on the website.

Respectfully Submitted,

Jason Ferrell  
Chair, Awards Committee

# 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 and algae management. Members 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 U.S. city each year for presenting papers and sharing information on the latest findings relating to aquatic plant and algae management.

## Education & Outreach

APMS publishes a Newsletter three times per year to update members on issues related to aquatic plant and algae 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 and algae.

**Water: an essential 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**
- Harmful algae blooms foul water supplies, produce toxins and cause fish kills**



## Aquatic Plant Management Society



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

## INTRODUCTION

The Aquatic Plant Management Society, Inc. (APMS) is a non-profit international organization of scientists, educators, field technicians, students, 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. Our **Vision** is to be the leading international organization for scientific information on aquatic plant and algae management.

## 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 and algae 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 forum for the discovery and dissemination of scientific information that advances aquatic plant management policy and practice.

### Objectives:

- Promote scientifically sound strategies in aquatic plant and algae 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 algae and 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
- Women of Aquatics

## MEMBERSHIP

Join the Aquatic Plant Management Society online at [www.apms.org](http://www.apms.org) or 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: \_\_\_\_\_ Code: \_\_\_\_\_  
Work Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-mail: \_\_\_\_\_

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

☐ **Individual**.....\$95.00\*  
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: \$ \_\_\_\_\_

\*20% to Scholastic Endowment Fund

\*\*50% to Scholastic Endowment Fund

January 14, 2019

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

From: Dean Jones

Subject: Exhibits Report

Committee Members: Dean Jones, Todd Olson and Carl Della Torre

### **Exhibitors**

Twenty two exhibitors attended the 2018 APMS meeting in Buffalo, NY including 20 representing industry and two nonprofits. 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. A similar turnout is expected in San Diego in July.

### **Sponsors**

Twenty sponsors contributed to 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 was \$55,283. Although we had more sponsors than 2017 we have three fewer top tier sponsors resulting in a slight reduction in funding. This funding level is probably more realistic and a similar turnout is expected in San Diego in July.

### **General**

Carl Della Torre joined the committee at the 2018 meeting in Buffalo. Exhibitors and sponsors will be notified via email in late January or February once the Exhibitor and Sponsor website information has been updated.

## **Legislative Report**

Submitted by: Rob Richardson

There is still a partial federal government shutdown for anyone that hasn't noticed. John Madsen is not allowed to work, but he can send and receive cat pictures through LinkedIn. There has been no legislation passed as an "NPDES fix". I'm not sure why anyone would now assume that this will ever happen.

Dicamba has been re-registered for two more years.

Health Canada finds "No pesticide regulatory authority in the world currently considers glyphosate to be a cancer risk to humans at the levels at which humans are currently exposed." Amazingly, this has received exactly no press coverage in the United States.

<https://www.canada.ca/en/health-canada/news/2019/01/statement-from-health-canada-on-glyphosate.html>

Diquat has about completed the reregistration process. Once the government shutdown ends in two years we can expect new labels.

A new Waters of the US rule is in process. Please refer to Lee's report for details.



## **Statement from Health Canada on Glyphosate**

From: Health Canada

January 11, 2019 - Ottawa, ON - Health Canada

OTTAWA – Health Canada’s primary objective in regulating pesticides is to protect Canadians’ health and the environment. That is why the Department regularly reviews all pesticides to make sure that they continue to meet modern health and safety standards.

Following the release of the Department’s final re-evaluation decision on glyphosate in 2017, Health Canada received eight notices of objection. There have also been concerns raised publicly about the validity of some of the science around glyphosate in what is being referred to as the Monsanto Papers. Health Canada scientists reviewed the information provided in these notices, and assessed the validity of any studies in question, to determine whether any of the issues raised would influence the results of the assessment and the associated regulatory decision.

After a thorough scientific review, we have concluded that the concerns raised by the objectors could not be scientifically supported when considering the entire body of relevant data. The objections raised did not create doubt or concern regarding the scientific basis for the 2017 re-evaluation decision for glyphosate. Therefore, the Department’s final decision will stand.

Health Canada follows a transparent and rigorous science-based regulatory process when making decisions about the safety of pesticides. As part of this process, Health Canada will publish its response to each notice of objection in the Pest Management Regulatory Agency’s Public Registry on January 14. Our scientists left no stone unturned in conducting this review. They had access to all relevant data and information from federal and provincial governments, international regulatory agencies, published scientific reports and multiple pesticide manufacturers. This includes the reviews referred to in the Monsanto Papers. Health Canada also had access to numerous individual studies and raw scientific data during its assessment of glyphosate, including additional cancer and genotoxicity studies. To help ensure an unbiased assessment of the information, Health Canada selected a group of 20 of its own scientists who were not involved in the 2017 re-evaluation to evaluate the notices of objection.

No pesticide regulatory authority in the world currently considers glyphosate to be a cancer risk to humans at the levels at which humans are currently exposed. We continue to monitor for new information related to glyphosate, including regulatory actions from other governments, and will take appropriate action if risks of concern to human health or the environment are identified.

### **Contacts**

Media Relations

Health Canada

613-957-2983

[hc.media.sc@canada.ca](mailto:hc.media.sc@canada.ca)

January 6, 2019

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, Bill Torres (Chair)

**Task:** Tommy Bowen will contact SCAPMS leadership to see if SCAPMS wants to co-host the 2022 APMS Annual Meeting.

**Action:** Bill Torres contacted SCAPMS President, Hugo Burbage on December 28, 2018 via email to inquire if SCAPMS is interested in co-hosting the 2022 Annual Meeting in South Carolina.

**Status:** Hugo Burbage, SCAPMS President, responded on 1/3/2019, " SCAPMS gladly accepts the opportunity to co-host the APMS meeting in 2022. I have sent out an email to our board members and they would like to recommend Charleston as the location for the 2022 joint meeting. The weather in Greenville or Charleston will be hot, but in Charleston there is often a sea breeze that helps with the humidity."

**Task:** Tommy Bowen will explore guest tour options and costs for guests at the 2019 Annual Meeting in San Diego.

**Action:** Bill Torres contacted the San Diego Tourism Authority on 12/28/2018 for guest tour options.

**Status:** Rica Fricks with San Diego Tourism Authority responded on 1/2/2019, and provided the following options:

<b>Amazing Scavenger Hunts by Urban Adventure Quest</b> 4002 Wallace St San Diego, CA 92110	<b>Fiesta de Reyes</b> 2754 Calhoun St San Diego, CA 92110 <b>Phone:</b> (619) 297-3100
---	--

**Phone:** (805) 603-5620

**Website:** <http://www.urbanadventurerequest.com>

**Contact:** Tami Walker

**Phone:** (805) 603-5620

**Email:** [tami@urbanadventurerequest.com](mailto:tami@urbanadventurerequest.com)

### **Another Side Of San Diego Tours**

300 G St

San Diego, CA 92101

**Phone:** (619) 239-2111

**Website:** <http://www.anothersideofsandiegotours.com>

**Contact:** Kenneth Lippman

**Phone:** (619) 239-2111

**Email:** [kenneth@anothersidetours.com](mailto:kenneth@anothersidetours.com)

### **Bernardo Winery**

13330 Paseo Del Verano Norte

San Diego, CA 92128

**Phone:** (858) 487-1866

**Website:** <http://www.bernardowinery.com>

**Contact:** Samantha Nawrocki

**Phone:** (858) 487-1866 x 115

**Email:** [Sam@bernardowinery.com](mailto:Sam@bernardowinery.com)

### **Epicurean San Diego Culinary Tours & Events**

4005 Taylor Street

San Diego, CA 92110

**Phone:** (619) 289-9802

**Website:** <http://www.epicureansandiego.com>

**Contact:** Stephanie Parker

**Phone:** (619) 289-9802

**Email:** [stephanie@epicureansandiego.com](mailto:stephanie@epicureansandiego.com)

**Website:** <http://www.fiestadereyes.com>

**Contact:** Gwen Annese

**Phone:** (619) 297-3100

**Email:** [gwen@fiestadereyes.com](mailto:gwen@fiestadereyes.com)

### **Fit City Adventures**

1804 Garnet Avenue #352

San Diego, CA 92109

**Phone:** (858) 367-9992

**Website:** <http://www.fitcityadventures.com>

**Contact:** Angela Minardi

**Phone:** (858) 367-9992

**Email:** [angela@fitcityadventures.com](mailto:angela@fitcityadventures.com)

### **iFLY San Diego**

2385 Camino Del Rio N

San Diego, CA 92108

**Phone:** (619) 432-4359

**Website:** <http://www.iFLYworld.com/San-Diego>

**Contact:** Anthony Alhambra

**Phone:** (619) 413-1124

**Email:** [aalhambra@iflyworld.com](mailto:aalhambra@iflyworld.com)

### **Macy's**

1702 Camino Del Rio North

San Diego, CA 92108

**Phone:** (619) 297-2511

**Website:** <http://www.visitmacysusa.com/>

**Contact:** Nancy Gallagher

**Phone:** (646) 429-7422

**Email:** [nancy.gallagher@macys.com](mailto:nancy.gallagher@macys.com)

**Out of the Ordinary - Teambuilding Adventures**

611 K Street, Suite B-224

San Diego, CA 92101

**Phone:** (858) 487-3418

**Website:** <http://www.groupadventures.com/>

**Contact:** Darlynn Menkin

**Phone:** (858) 487-3418

**Email:** [Darlynn@GroupAdventures.com](mailto:Darlynn@GroupAdventures.com)

**San Diego Beer, Wine & Spirits Tours**

711 Fern Glen

La Jolla, CA 92037-5461

**Phone:** (858) 551-5115

**Website:** <http://www.sandiegobeerwinespiritstours.com>

**Contact:** Shira Wiseman

**Phone:** (858) 551-5115

**Email:** [shira@lajollawinetours.com](mailto:shira@lajollawinetours.com)

**San Diego Wine & Culinary Center**

200 Harbor Drive, Ste #120

San Diego, CA 92101

**Phone:** (619) 660-5338

**Website:** <http://www.sandiegowineandculinary.com>

**Contact:** Shannon McQuade

**Email:** [Shannon@sandiegowineandculinary.com](mailto:Shannon@sandiegowineandculinary.com)

**The SUP Connection**

2592 Laning Road

San Diego, CA 92106

**Phone:** (619) 365-4225

**Website:** <http://www.sandiegosuprentals.com>

**Contact:** Todd Capizzo

**Phone:** (678) 283-4441

**Email:** [todd@thesupconnection.com](mailto:todd@thesupconnection.com)

**The Wild Thyme Catering Company**

7163 Construction Court

San Diego, CA 92121

**Phone:**

**Website:** <http://www.thewildthymecompany.com>

**Contact:** Dawn Carvajal

**Phone:** (858) 527-0226

**Email:** [dawn@thewildthymecompany.com](mailto:dawn@thewildthymecompany.com)

**Task:** Bill Torres will explore costs and logistics to hold the 2019 Annual Meeting Banquet on a cruise boat, and report to the Board at the 2019 Midyear Board meeting.

<b>FLAGSHIP CRUISE &amp; EVENTS</b> <b>San Diego</b> <b>APMS 2019</b> <b>PRESIDENT RECEPTION COMPARISON</b>		<b>DoubleTree Mission Valley</b> <b>APMS 2019</b> <b>PRESIDENT RECEPTION COMPARISON</b>	
Food \$45/per person - THE EMBARCADERO DISPLAY HORS D'OEUVRES BRUSCHETTA & FLATBREAD BAR Make your own Mediterranean medley from our market fresh ingredients including fresh tomatoes, garlic, basil, pesto, toasted nuts, roasted sweet peppers, capers, green onions, Kalamata olives, artichoke hearts, parmesan cheese, Sonoma goat cheese and more BAKED BRIE EN CROUTE Creamy brie cheese with toasted almonds, dried cranberries in a flakey puff pastry; served with warm baguettes FOOD STATIONS SLIDER STATION All-natural ground beef with cheddar cheese and sundried tomato aioli, barbeque pulled pork sliders on soft rolls with red ale barbeque sauce, plus grilled chicken with peach barbeque sauce, atop soft rolls. Garnish your creation with bread & butter pickles, pepperoncini's, barbeque sauce, ketchup, mustard, mayonnaise and pickled red onion. Accompanied by sea salt kettle chips. DESSERT MINIATURE CHOCOLATE DECADENCE Rich double chocolate brownies topped with dark chocolate ganache ASSORTED FRESHLY BAKED COOKIES Chocolate chip, macadamia nut, peanut butter and oatmeal-raisin	\$4,500.00	\$4,380.00	Slider Station \$22/per person = \$2200 Baked Brie en Croute Served with Fruit Preserves, Assorted Crackers, and Candied Nuts \$17.00 per guest = \$1700 Brownies and cookies \$48/ dozen = \$480
Hosted Bar for 3 hours \$30/ per person - Call Liquor & 200 set up fee	\$3,200.00	\$5,575.00	Hosted Bar \$54/ per person + \$175 bar tender
California Princess Yacht Rental \$2500/hour minimum 3 hours	\$7,500.00	\$0.00	Room Rental
Sundance Stage Lines - Two -55 passenger buses for 5 hours each at \$818.00 each	\$1,636.00	\$0.00	Transportation
<b>TOTAL + 20% Service charge &amp; tax on Food and Beverage</b>	<b>\$16,836.00</b>	<b>\$9,955.00</b>	<b>TOTAL + Service charge &amp; Tax</b>

### APMS 2022 Meeting Planning Committee

The Meeting Planning Committee had a teleconference on October 5, 2019 to discuss the twelve proposals (See attached) received from venues in Greenville, Hilton Head, Myrtle Beach, Charleston, and Columbia, South Carolina.

1. The committee agree that the Omni Hilton Head and Doubletree Resort Myrtle Beach rates are too high to be considered an option.
2. The committee agreed that the Charleston and Greenville venues should have site visits performed and a report provided to them to have further discussions and make a recommendation for the APMS 2022 site. Therefore, the MPC would recommends the following motion for the APMS Board to consider:

**Recommended Motion:** APMS board approve travel expenses, not to exceed \$1,000.00, for Bill Torres to conduct site visits at venues in Greenville and Charleston, South Carolina for the APMS 2022 conference.

APMS 2022 South Carolina	Embassy Suites Golf Resort & Conference Center	Hilton Greenville	Hyatt Regency	Westin Poinsett	Omni Hilton Head Oceanfront Resort	DoubleTree Resort Myrtle Beach	SHERATON MYRTLE BEACH CONVENTION CENTER HOTEL	Embassy Suites Charleston	Hyatt Place & Hyatt House Charleston Historic District	Charleston Marriott	DoubleTree by Hilton Hotel & Conference Center Columbia	Marriott Columbia
Address	670 Verdae Boulevard, Greenville, SC 29607	45 W Orchard Park Dr Greenville SC 29615	220 North Main Street Greenville, SC 29601	120 South Main Street, Greenville, SC 29601	23 Ocean Ln, Hilton Head Island, SC 29928	3200 S Ocean Blvd, Myrtle Beach, SC 29577	2101 N Oak Street, Myrtle Beach, SC 29577	5055 International Blvd., North Charleston, SC 29418	560 King Street Charleston, South Carolina 29403	170 Lockwood Boulevard, Charleston, SC 29403	2100 Bush River Rd. Columbia, SC 29210	1200 Hampton Street, Columbia, SC 29201
Contact	Stacey Dawkins 864-676-9090 Adam Berrios aberrios@visitgreen villesc.com 864.921.3343	Kristi Banning 864-232-4747  Adam Berrios aberrios@visitgreen villesc.com 864.921.3343	Madeline Fleming 864-235-1234 Adam Berrios aberrios@visitgreenvi llesc.com 864.921.3343	Kristin Munafo 864-421-9700 Adam Berrios aberrios@visitgreenvil lesc.com 864.921.3343	Morgan Stincer 843-341-8014 Direct morgan.stincer@omnih otels.com	Lelsie Barrett 843-315-7003 leslie.barrett@hilto n.com	CYNDI MOHR cyndi.mohr@sherato nmyrtlebeach.com 843 918 5015	Neil Christian neil.christian@atriu mhospitality.com <del>Kristin Cotton</del> 843-725-1326 <del>Kristin.Cotton@Atri umHospitality.com</del>	Brittany Nicholson 843-414-0724  brittany.nicholson@h yatt.com	Pieter A. Schumacher Pieter.Schumacher@ marriott.com	Adrian Nesbitt 803-744-0140 Email: dtColumbia_Sales1@ hp-hotels.com	Karolyn Stone 803-744-6922 karolyn.stone@marri ottcolumbia.com
Info												RAI 8/31/18
Rate	\$172.00	\$149.00	\$159.00	\$160.00	\$319+ \$25 Resort Fee	<del>\$249 + \$22 resort-</del> fee \$199 + \$19.99 resort fee	\$172	\$159.00	\$171.00	\$187.00 \$189.00	\$139.00	\$179.00
Dates	July 8 - 14, 2022	July 8 - 14, 2022 July 15-21, 2022	July 8 - 14, 2022 July 15-21, 2022	July 15 - 21, 2022	July 8 - 14, 2022 July 15-21, 2022	July 8 - 14, 2022	July 8 - 14, 2022	July 8 - 14, 2022	July 8 - 14, 2022	July 8 - 14, 2022 July 15-21, 2022	July 8 - 14, 2022	July 8 - 14, 2022
Pre & Post rate available	Based on availability	3 days	Based on availability	Based on availability						2 days pre and post	3 days	
Meeting Space Cost	Comp	Comp	Comp	Comp	Comp		Comp	Comp	Comp	Comp	Comp	Comp
Meeting Space Sq. Ft.	5760 sq.ft.	3888 sq. ft.	4000 sq. ft.	3205 sq.ft.			5610 sq. ft.	4731 sq. ft.	4000 sq. ft.	4840 sq. ft.	4752sq. Ft.	4800 sq. ft.
Meeting Space Ceiling Height	14'	11'	14'	24'			24'	25'		16'	14'	16'
Exhibit Space Cost	Comp	Comp	Comp	Comp	Comp	48	Comp	Comp	Comp	Comp	Comp	\$1200/DAY

Exhibit Space Sq. Ft.	5760 sq.ft.	3456 sq. ft	5256 sq.ft.	3250 sq.ft.			5610 sq. ft.	10,470 sq.ft.	Foyer area	9700 sq. ft.	5550 sq. ft.	7000
Exhibit Table Cost	\$40/table	Comp	\$35/table	\$26/table one time		\$35/table	\$55/table	\$35/table/one time	20 discounted exhibit set ups	\$35/table/day	30 comp tables	Comp
Exhibit Electricity Cost	\$25/each	\$32++ for a 6t table/\$42 for 8 ft table	\$30/day	\$25/each			\$95/table	\$75/drop/one time		\$40/day	\$15/table	\$15/day/outlet
Food & Beverage Minimum	\$20K	18K	\$20K	\$20K	\$40K	\$20K	\$30K	\$23K	\$13K	\$32.5K	\$31.5K	\$23K
Menu Price Lock-in at signing	Yes	Yes	Yes	Yes			No	Lock-in 2020 Food & Beverage prices at contract signing	2019 F&B pricing locked in		No, 2022 prices	No
Service Charge & Tax	23% + 8%	22% + 8%	22% + 8%	21% + 8%			21% + 12%	24%	22% + 11%	23% + 11%	22% + 7%	22%
Required Deposit	25% deposit requested at signing to hold space, OR approved direct bill application	Deposit can be delayed 729 prior to event. Standard deposit is 10% of the F&B minimum	No	No				10%			\$500.00	Direct Billing
Comp Rooms	1 per 40	1 per 40	1 per 40	1 per 50	1 per 50	1 per 50	1 per 40	1 per 40	1 per 50	1 per 40	1 per 40	1 per 40
Upgrades	Executive Suite upgrade at Group rate for duration of conference 10 suite upgrades to best available	Up to 1 upgraded one bedroom suite per night at the group discounted rate □ Up to 10 upgraded rooms per night at the group discounted rate □ Up to 1 complimentary suite per night for the group planner	1 Presidential/VIP Suite upgrade at the group rate Eight (8) guestroom upgrades at the group rate	Two (2) Suite Upgrades and VIP Welcome Amenities • One (1) Complimentary Suite for Meeting Planner	Ten (10) Premier Ocean View Studio Suites for VIP's-Savings of over \$1,500 over the stay □ One (1) Luxury Oceanfront One Bedroom Suite for VIP-Savings of over \$1,000 over the stay	1 VIP Suite Upgrade at the group rate 10 Suites at \$299.00	1 Presidential/VIP Suite upgrade during the conference dates • 10 rooms per night upgraded to Club Rooms at the group rate during the conference dates	Presidential/VIP Suite upgrade during the conference dates • 10 rooms per night upgraded to Suites at the group rate during the conference dates • 1 complimentary suite for the meeting planner during the conference dates	1 upgrade to one bedroom suite on high floor at group rate with VIP welcome amenity -10 upgrades to king studio suites at group rate -1 complimentary king studio suite over group dates for meeting planner	• 2 Complimentary Suite upgrades at group rate • 4 Complimentary Concierge Level upgrades at group rate • 6 Complimentary Executive Level room upgrades at group rate	10 room per night upgraded to suites at the group rate during the conference dates. 1 complimentary suite for the meeting planner during the conference dates.	1 Governor Parlor w/connecting king at group rate 10 standard rooms w/concierge access
Attrition Rate	80%	80%	80%	80% Daily			80%	85%	90%	80%	85%	90% nightly

Internet	Comp	\$500 one time	Comp	Comp	Complimentary guest room wifi		• Complimentary Wi-Fi in the guest rooms, exhibit space and registration area	Complimentary Wi-Fi in the guest rooms and registration area	complimentary wifi in meeting space and guest rooms (property wide)	<ul style="list-style-type: none"> <li>• Complimentary Internet in guest rooms for all Marriott Rewards Members</li> <li>• 50% Discount on Internet in meeting space</li> <li>• Complimentary Internet for Staff/Registration areas</li> </ul>	Complimentary WiFi in guest rooms	Comp Wifi throughout hotel
Parking Fee	Comp self	Comp	\$21 Valet \$7.50 Self	\$20 Valet \$7.50 self	Comp self		\$8 Self	Discounted parking for overnight guests at \$5.00 per car per night		\$10 - Valet Comp - Self	Comp	\$25 Valet \$12 Self
Mid Year Board Meeting	Comp	Comp	Comp	Comp	Comp		Comp	Comp		Comp	Hotel will offer a discounted boardroom at \$250/day and \$139/night group rate.	Yes
Distance & Cost to Airport	9 miles, 15 minutes Average Taxi / Uber / Lyft currently approx.. \$15 - \$25	Complimentary shuttle service to and from airport	Complimentary airport shuttle to and from GSP airport	Complimentary airport shuttle to and from GSP airport			5.43 miles \$25 o/w	2 miles \$7 o/w/		12 miles \$20 o/w		7 miles to Columbia 97 miles to Charlotte \$20
Govt Per diem rooms	6	6	6	No			8	Govt per diem rates are up to \$182 in the Charleston market, offer of \$159 is still good to go on our proposal.	8 guest room rates at prevailing government per diem	8	8	8 Guest rooms at prevailing government per diem rate
Miscellaneous	All Guest Rates include a full cooked to-order breakfast daily and two hour reception each evening served in our Atrium.							Complimentary Hot Breakfast & Evening Reception \$750.00 Credit towards Wi-Fi in meeting/exhibit space (5 Mbps)	-no financial liability if cancellation occurs 730 days prior to event		8 Guest rooms at prevailing government per diem rate No financial liability if cancellation of conference occurs 730 days prior to the event	8 Guest rooms at prevailing government per diem rate



## **Nominating Committee Report**

Aquatic Plant Management Society, Mid-Winter Board Meeting

Committee: John Rodgers (Chair)

The Nominating Committee will provide a report at the Mid-Winter Board Meeting.

## **Past Presidents Advisory Committee Report**

Aquatic Plant Management Society, Mid-Winter Board Meeting

Committee: John Rodgers (Chair)

The Past Presidents Advisory Committee does not have any progress to report at this time. If you have agenda items for the upcoming annual meeting in San Diego, please get them to me.

## Proposal Review Committee Report

### Aquatic Plant Management Society, Mid-Winter Board Meeting

Committee: John Rodgers (Chair), Mark Heilman, Jeremy Slade, Amy Kay, Matt Johnson

The Proposal Review Committee received one proposal under the existing guidelines. A second proposal was received recently and is currently under review. Proposals without an APMS Committee designation are sent to the Proposal Review Committee.

1. A request was sent from the University of Florida Invasive Plant Education Initiative to support Plant Camp (Copy of proposal attached to this report). In the past, APMS supported this activity at the \$1,000 level. The Committee reviewed the proposal and sought some input from Jeff Schardt (who has special insight into this program).
2. We recommend to the APMS Board of Directors that APMS support the University of Florida Plant Camp at the level of \$1,000.

Rationale: Plant Camp provides a unique and significant opportunity to train teachers about invasive aquatic plants and aquatic plant management. Although the State of Florida is the predominant beneficiary of this program, Plant Camp has offered opportunities for teachers from other states. So there are opportunities to expand the geographic scope of this education and outreach activity.

***MOTION: The Proposal Review Committee recommends That APMS fund the University of Florida Plant Camp for 2019 at \$1,000. This provides a significant contribution and is consistent with previous support.***

3. Some language regarding the composition and function of the Proposal Review Committee has been prepared for the Operations Manual and the Board should consider approving this guidance for inclusion in the Manual and add the Proposal review Committee to the responsibilities of the Immediate Past President.

Dear Mr. Aguillard,

As you know, the Florida Invasive Plant Education Initiative was created to provide educators with the training, resources, and materials they need to teach their students about the harmful impacts invasive plants are having on our natural areas and neighborhoods. The long-term goals of our program are to raise awareness of the ecologic and economic issues caused by invasive plants, bring about acceptance of invasive plant management, and to foster environmental stewardship in Florida's youth. Our primary methods of achieving these goals are through professional development for teachers (Plant Camp), developing and distributing curriculum for 4<sup>th</sup> to 12<sup>th</sup> grades, and conducting invasive species curriculum demonstrations.

Our next Plant Camp will be held June 10-14<sup>th</sup>, 2019 and marks the 13<sup>th</sup> anniversary providing this unique workshop to Florida teachers. Each year, 24 top-notch educators from around the state join us for hands-on learning about invasive plant biology, ecology, and management. Plant Camp has provided 325 educators the confidence and resources needed to teach about invasive species in the classroom. These teachers have gone on to educate over 200,000 Florida students!

Plant Camp would not be possible without all the individuals and organizations that support it through donations of time, money, services and materials. In order to ensure the continued success of this important project, we are seeking contributions to maintain the exceptional quality of our program. Last year, APMS generously contributed to assist with Plant Camp expenses outside of our grant parameters (such as meals and transportation). We hope that we can count on your support again this year. Depending on your choice of sponsorship, benefits can include your logo on our daily welcome banner, recognition on social media and our website, logos on our Plant Camp t-shirts, and acknowledgement in our database with over 4,000 educators.

The hands-on instruction teacher participants receive at Plant Camp is central to sparking their enthusiasm to take these lessons back to their classrooms. We are encouraged by the fact that post-workshop evaluations continue to indicate an increase in participants' awareness of problems and challenges associated with invasive plants. Survey results also show positive changes in attitudes toward plant management strategies and methods. For more information about the workshop and the Florida Invasive Plant Education Initiative, please see our website at [plants.ifas.ufl.edu/education](http://plants.ifas.ufl.edu/education).

Thank you for considering this request. Please let us know at your earliest convenience if APMS is able to partner with us for this important project. If you have any questions, please feel free to contact me at 352-273-3365, or Lynda, our Program Assistant, at 352-392-1799.

Sincerely yours,



Dehlia Albrecht  
Education Coordinator

cc: Jeremy Slade, Treasurer



Florida Invasive Plant Education Initiative • [plants.ifas.ufl.edu/education](http://plants.ifas.ufl.edu/education)  
A Collaboration of the UF/IFAS Center for Aquatic and Invasive Plants  
and the Florida Fish and Wildlife Conservation Commission / Invasive Plant Management Section



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## SPONSORSHIP PACKET

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Plant Camp is an annual five-day workshop designed to provide educators with the information, resources, and tools needed to teach their students about the problems invasive plants are causing in Florida's natural areas and the methods in which these invasive plants are managed. The workshop provides participants with laboratory and field experience with experts in aquatic and upland plant biology, ecology and management. Long-term goals are to raise awareness of the ecologic and economic issues caused by invasive plants, bring about acceptance of invasive plant management methods, and to foster environmental stewardship in Florida's youth.









***Sponsorship levels available for any size company or organization!***



Florida Invasive Plant Education Initiative • [plants.ifas.ufl.edu/education](http://plants.ifas.ufl.edu/education)  
A Collaboration of the UF/IFAS Center for Aquatic and Invasive Plants  
and the Florida Fish and Wildlife Conservation Commission / Invasive Plant Management Section



## Did you know?

-  In Florida, there are more than 500 non-native wildlife species and over 1,000 non-native plant species.<sup>1</sup> Most non-native species are not a problem, but approximately 130 plant species are considered invasive.
-  An invasive species is “a species that is non-native to the ecosystem under consideration and whose introduction causes or is likely to cause economic or environmental harm or harm to human health.”<sup>2</sup>
-  Managing invasive plants is expensive, costing Florida taxpayers more than \$30 million dollars per year.<sup>3</sup>
-  There are 24 aquatic plants in Florida that are currently considered invasive. Invasive aquatic plants now impact over 1 million acres of Florida’s freshwater lakes, ponds, rivers and streams.<sup>4</sup>
-  Invasive aquatic plant species can block flood control devices and structures; cause navigation problems on lakes and rivers; and harbor mosquitos; while invasive terrestrial plants can create fire pathways to tree tops and tangle electrical lines. Both can destroy valuable fish and wildlife habitats. Invasive plants can be dangerous for boaters, swimmers, hikers and homeowners.
-  Florida fresh water bodies generate \$1.9 billion in annual fishing revenue and \$55 million in annual state sales and motor fuel tax revenue. Aquatic invasive species can ruin our fishing industry.
-  Over the past 13 years, Plant Camp has provided 300 teachers with the knowledge and resources required to help their students recognize the economic and ecological harm invasive species can create.
-  It is estimated that over 200,000 students have been reached through teachers attending Plant Camp since the first workshop in 2006. Many Plant Camp graduates also share their new knowledge and resources with fellow educators, exponentially increasing the number of students reached.

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<sup>1</sup> Florida Fish and Wildlife Conservation Commission. <http://myfwc.com/wildlifehabitats/nonnatives/>

<sup>2</sup> National Invasive Species Council. <https://www.invasivespeciesinfo.gov/whatis.shtml>

<sup>3</sup> Florida Department of Agriculture and Consumer Services. <http://www.freshfromflorida.com/Divisions-Offices/Florida-Forest-Service/Our-Forests/Forest-Health/Invasive-Non-Native-Plants>

<sup>4</sup> Florida Fish and Wildlife Conservation Commission. Annual Report of Activities Conducted under the Cooperative Aquatic Plant Control Program in Florida Public Waters for Fiscal Year 2015-2016. <http://myfwc.com/media/4137470/annualreport15-16.pdf>

## Plant Camp 2019 Sponsorship Levels & Benefits

Sponsorship Levels and Benefits	Platinum (\$2500+)	Gold (\$1500-\$2499)	Silver (\$500-\$1499)	Bronze (\$100-\$499)
Logo on Plant Camp Daily Welcome Banner	✓			
Logo on Event T-shirt	✓	✓		
Plant Camp Daily Table Cards	✓ (Logo)	✓ (Listing)		
Education Initiative Social Media (Facebook and Twitter)	✓ (Logo)	✓ (Listing)	✓ (Listing)	
Education Initiative website (Plant Camp 2019 page)	✓ (Logo)	✓ (Logo)	✓ (Listing)	✓ (Listing)
Plant Camp print recognition (agenda, teacher notebooks)	✓ (Logo)	✓ (Logo)	✓ (Listing)	✓ (Listing)

### Commitment Deadlines:

Logo or listing on website:	May 15, 2019
Logo or listing on social media:	May 15, 2019
Logo on t-shirts:	March 1, 2019
Logo or listing on printed materials:	March 1, 2019

### **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:** \_\_\_\_\_

**Date Submitted to APMS:** \_\_\_\_\_

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

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

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

\_\_\_\_\_

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

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

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

**Will Other Entities Share Costs for this Project?** \_\_\_\_\_ (if yes, list each entity and amount) \_\_\_\_\_

\_\_\_\_\_

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

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

## APMS STUDENT AFFAIRS COMMITTEE REPORT

**Date:** 20 December 2018

**Committee:** Christopher Mudge (Chair)

Sam Sardes (Co-Chair)

Mirella Ortiz (Student Director)

Ben Willis

Leif Willey

Brett Bultemeier

Syndell Parks

After the annual conference was completed, I received positive feedback from the student delegates regarding the meet & greet, luncheon, post-conference tour, and other conference events. Below are recommendations for each of the conference events scheduled for San Diego, CA.

**Student Affairs Committee Co-Chair:** Former APMS Student Director Sam Sardes has agreed to assist the committee as co-chair for 1-year. As chair, I will continue my normal duties leading up to this year's conference in San Diego, but turn over some of the responsibilities to her. I will assign student rooms, assist with organizing the student tour, seek luncheon speakers, allocate A/V assignments, and serve as the point of contact for students at the conference. Sam will assist the Chair and other committee members with the previously mentioned events leading up to the conference, co-lead the student luncheon, chaperone the student tour, serve as an additional point of contact during the conference, tally up contest scores, and assist with the student awards during the banquet.

**Meet & Greet:** The return of the student meet & greet prior to the President's Reception on Sunday evening last year was well received by the students and provided a great opportunity to socialize and network. As a committee, we strongly encourage the society to keep this event at future conferences. The only issue was that non-student delegates participated in the event and increased the bar tab. I will work with Bill Torres to find a more private room for students only at the next conference.

**Paper and Poster Contests:** Prior to the 2018 conference, the committee recommended that previous paper and poster contest winners could register as student delegates and present papers/posters as at the Buffalo conference, but were not eligible to participate in the contests and receive awards. This decision was based on discussion with student and non-student delegates and APMS members over the past few years. The committee proposes were return to the original format and allow prior winners to participate in upcoming contests. However, we suggest the Board of Directors re-visit this issue. A couple of suggested changes include: 1) clearly define who can participate in the student contests since the language differs between bylaws and ops manual and 2) split the paper contest (and poster if we have enough participants) into M.S. and Ph.D. categories since the skill/experience level and can vary between degree programs.

**Luncheon:** The Student Affairs Committee requests the society to continue hosting the student luncheon on Monday of the conference. Similar to previous conferences, the committee will invite 2 or 3 speakers from various universities, state/federal agencies, or private organizations to discuss their careers, experiences, and other related topics.

**Tour:** The Student Affairs Committee's recommendation is to continue hosting the 1 day post-conference student tour that starts and concludes on the Thursday after the conference. This past year, APMS covered the cost for an additional 15 room nights (16 students) for Wednesday and Thursday evenings. Also, during the 1 day tour, 2 vans were rented by APMS. Chris Mudge and Jon Gosselin (SePRO) served as drivers/chaperones. U.S. Army Corps of Engineers Buffalo District employees Michael Greer and Josh Unghire toured the group around Buffalo and visited various aquatic plant management and restoration projects. This year, the committee will reach out to Federal, State, and local groups in the San Diego area to assist with the tour. Several sites have been suggested by Drs. Mark Heilman, John Madsen, and Lars Anderson, but we are still in the early planning stages.

**B.A.S.S. Report**  
**Submitted to APMS, January 14, 2019**  
**Gerald Adrian**

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

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

APMS and AERF agreed to support a grant of \$3000 (\$1500 ea.) to the Bass Club providing the best proposal for an Aquatic Plant Management project. This is in lieu of the APM Conservation Award that we have sponsored for the past 2 years.

Bass Federation Nation of Virginia was selected as the recipient of the grant to support Aquatic Plant Management in 2016. The project will establish shoreline vegetation to improve fish habitat and shoreline stabilization on Claytor Lake, Leesville Lake and Smith Mountain Lake in VA. (An interim report was provided in January 2017. well as photos of the project)

APMS and AERF sponsored the Conservation Summit luncheon during the Bassmaster Classic. Attendees will include 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.

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.

The APMS (and AERF) provided funding of \$3000 (\$1500 each) (AERF and APMS) to support the BASS banquet during the 2018 Classic in Greenville, SC (L. Hartwell), March 16-18. This banquet is attended by the BASS State Conservation Directors as well as State Fisheries Chiefs. APMS/AERF will provide a speaker during the Conservation Summit. Brett Hartis made a presentation at the BASS Conservation Summit this past March and did an excellent job.

The previous proposal to work with the coaches for BASS affiliated high school and university bass clubs will likely not move forward as Brett Hartis has left TVA and taken a position with Duke Power in NC.

*I have been in contact with Gene Gilliland and he would like to continue the Aquatic Plant Management Conservation Grant program as we have in the past. The BASS Conservation Summit involving Conservation Directors as well and state Fisheries Chiefs is now scheduled for even numbered years and will take place in 2020 during the Bassmaster Classic (site TBD). I would propose that the Conservation Grant be announced during odd numbered years (2019) and awarded in even numbered years at the Conservation Summit. I will be in touch with Gene Gilliland to determine the parameters for the Grant, but it will be similar to our requirements in the past. I would ask AERF and APMS budget a total of \$6000 every two years (\$3000 each year to be split evenly) that would amount to \$1500 annually to support our efforts with BASS conservation. \$3000 would be for the Grant to be awarded every other year (announced in 2019, awarded in 2020), and \$3000 would be to support the banquet at the BASS Conservation Summit to be held at the Bassmaster Classic (even numbered years). This amounts to \$1500 for the APMS and AERF annually.*

*I would also request that UPI continue with the stipend for Jeff Holland as a spokesman for AERF. Jeff has posted several blogs on various websites and social media. Jeff has been provided \$5000/2yr period.*

Based on some criticism of the Harris Chain of Lakes by FL FWCC on social media, Gene Gilliland asked Robert Montgomery to write an article about the importance of controlling invasive aquatic plants. This was posted on the Bassmaster Conservation website. It was a balanced article that included comments from FWCC (Matt Phillips). The article can be viewed at: <https://www.bassmaster.com/conservation-news/hydrilla-and-lake-harris>

Alabama Power has a project to establish plants in Smith Lake, AL. This article was picked up by BASS and posted on their conservation page as well. <https://www.bassmaster.com/conservation-news/alabama-power-company-educates-and-adds-aquatic-plants>

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 Hawg 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



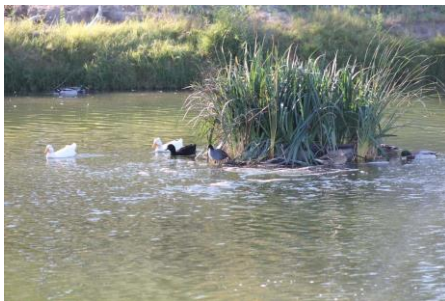
Four trial sediment delta areas (A-D) are proposed for willow planting



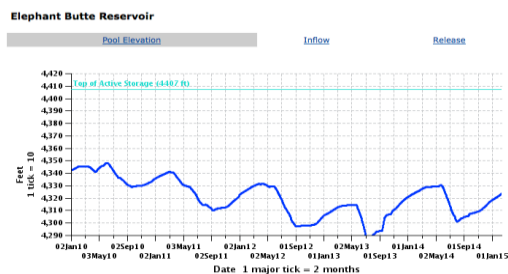
Dense stands of Gooding willows are established north of the project area



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.



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.

Cast Report  
Forwarded by Lyn Gettys

From: Melissa Sly <msly@cast-science.org>  
To: "caguillard@landolakes.com" <caguillard@landolakes.com>  
Cc: Lyn Gettys <lgettys@ufl.edu>, "jmadsen@ucdavis.edu" <jmadsen@ucdavis.edu>, Kent Schescke <kschescke@cast-science.org>  
Date: Wed, 19 Dec 2018 16:49:27 +0000  
Subject: FW: APMS / CAST 2019 Membership

Dr. Aguiard,

Thank you for your society's membership which is so important in helping accomplish CAST's mission to communicate credible science. Your 2019 renewal invoice is attached for your convenience. Please let me know if I can answer any questions or assist with your renewal.

In case you missed it, I also wanted to share some year-end news--CAST's Summary of Activities (October - December) and what you can look forward to in the new year--A Word from Gabe Middleton, CAST's New President.

Again, thank you for APMS' support of CAST, and wishing you the best in the upcoming New Year!

Melissa

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Melissa Sly  
Director of Council Operations  
msly@cast-science.org | 515.292.2125 ext. 232  
www.cast-science.org

From: Kent Schescke  
Sent: Saturday, October 6, 2018 3:21 PM  
To: jmadsen@ucdavis.edu  
Cc: Gale Osborne <gosborne@cast-science.org>  
Subject: APMS / CAST 2019 Membership

Dear Dr. Madsen,

We very much appreciate the Aquatic Plant Management Society's support this past year and hope we can continue to count on you in 2019! A renewal invoice is attached for your convenience. If you need any changes on it, just let me know.

Thanks to you, CAST has been able to sustain and nurture its mission of assembling, interpreting, and communicating balanced, science-based information; enjoy some excellent



growth through new and returning memberships; and support the food and agriculture community through activities such as the Borlaug CAST Communication Award (BCCA).

The support your membership provides allowed us to develop many critical papers highlighting the science and technology that will help us meet the goal of sustainably feeding 9.6+ billion people by 2050. Of the ten papers in the CAST Agricultural Innovation series, five have been released and the other five are in development, to be completed and released in 2019—2020. The papers that were completed in this series this year include Genome Editing in Agriculture: Methods, Applications, and Governance and Food Loss and Waste.

In addition to the Agricultural Innovation series, we released the following thus far in 2018:

- Regulatory Barriers to the Development of Innovative Agricultural Biotechnology by Small Businesses and Universities (March)
- Scientific, Ethical, and Economic Aspects of Farm Animal Welfare (April)
- Omega-3 Fatty Acids: Health Benefits and Dietary Recommendations (May)
- Impact of Free-Range Poultry Production Systems on Animal Health, Human Health, Productivity, Environment, Food Safety, and Animal Welfare Issues (July)

Finally, we expect to complete and release the following yet this year or early 2019:

- “Potential Reductions of Nutrient Loss Impacts on Water Quality”
- “Historic Drought, Aquifer Depletion, and Potential Impacts on Long-term Irrigated Agricultural Productivity”
- “Enabling Open Source Data Networks in Public Agricultural Research”

We’re very pleased to announce that the past year brought several new and returning members to CAST. Find all of CAST’s stakeholders here.

It is our hope that you will choose to once again provide the membership support that enables us to continue and build on all that CAST staff, boards and volunteers accomplished in 2018. Please feel free to contact us if we can provide additional information. Your input, ideas, and feedback are always welcomed and appreciated.

Thank you again for your support.

Best regards,

Kent Schescke

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	<b>Kent G. Schescke</b> Executive Vice President Phone: (515) 292-2125 ext. 231 Fax: (515) 292-4512 <a href="mailto:kschescke@cast-science.org">kschescke@cast-science.org</a>
<a href="http://www.cast-science.org">www.cast-science.org</a>	

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*Council for Agricultural Science and Technology*



The Science Source for Food,  
Agricultural, and Environmental Issues

4220 West Lincoln Way  
Ames, IA 50014-3447 USA  
Phone 515.292.2125 Fax 515.292.4512

Aquatic Plant Management Society  
7922 NW 71 Street  
Gainesville, FL 32653

# INVOICE

November 1, 2018

Invoice # 1632

DESCRIPTION	AMOUNT
2019 Society Membership Renewal	1,500.00

Total	1,500.00
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CAST membership is based on the calendar year and runs from January 1 to December 31, 2019.

Please make all check payable to Council for Agricultural Science and Technology (CAST).

For questions or to pay by credit card, please call the CAST office at 515.292.2125.

If you have questions concerning this invoice, contact Colleen Hamilton at 515.292.2125 x224 or [chamilton@cast-science.org](mailto:chamilton@cast-science.org).

Mail payment to:  
CAST  
4420 West Lincoln Way  
Ames, IA 50014-3347

*CAST is a qualified 501(c)(3) tax-exempt organization.*

*Therefore, your membership and any additional contributions may qualify as a charitable contribution under IRS guidelines.*

*You will receive verification on contribution.*

THANK YOU FOR YOUR GENEROUS SUPPORT!

## **NALMS Representative Report**

Submitted by Terry McNabb

I have conferred with the NALMS Board regarding anything they would like to be passed along.

At this point the primary need to communicate is to continue to share booth space at our respective annual meetings.

NALMS would like space at the San Diego APMS meeting this summer. I will work with them to get the booth there and set up and staffed. I have asked them to post this event in their newsletters going forward till the date of the meeting. I'll pass that along to the Regional NALMS Chapters in Washington, Oregon and California as well.

The NALMS meeting this year will be held in Burlington Vermont November 11-15, 2019 and the web site for announcement is <https://www.nalms.org/nalms2019/>. This should be a good location for attendance. It is co-sponsored by the New England Chapter of NALMS and I know we have a number of members that are also involved with that group. NALMS has had some very informative sessions on aquatic plant management in recent programs. Please include this announcement in APMS newsletter events section going forward until this meeting.

NALMS traditionally has a number of half and whole day workshops they host the day prior to conference start up. They are also looking for special sessions that might highlight things we are interested in. This might be good opportunity for AERF or APMS members to submit something for consideration. That web site is <https://www.nalms.org/nalms-2019-call-for-special-sessions/>

Lastly, NALMS administers a Certified Lake Manager program. I received certification a few years back and I think it is something that might benefit our (APMS) members that operate lake management businesses. I think this is something that might warrant a newsletter article or something so I offer that for your consideration. <https://www.nalms.org/nalms-certification-program/>

NALMS has their mid year board meeting where they all get together like you are this month in the spring. Anything that comes from that meeting they indicate they will forward after that and I'll send it along.

Thank you for your consideration. If anything comes from the Board Meeting you would like me to pass back to NALMS, please let me know.

## **RISE Aquatics Update 1/17/19**

Submitted by: Sam Barrick

On January 17, 2019 RISE participated as a member in the Waters Advocacy Council to discuss our continuing public relations effort to defend the soon to be formally proposed rule to repeal and replace the 2015 Waters of the US Rule.

The partial shutdown of the federal government stops all EPA actions that are not considered essential. Therefore the work to release the proposed WOTUS replacement rule is on hold.

The only official action of late was the testimony of Acting Administrator Andrew Wheeler at his confirmation hearing to become Administrator.

Mr. Wheeler told the Environment and Public Works Committee that the U.S. has the safest drinking water in the world. He didn't directly address the proposed rule change but indirectly referred to reducing unnecessary and wasteful regulations.

As the hearing was being conducted, several environmental groups including the Natural Resources Defense Council and Environmental Working group tweeted out: Stop Wheeler and his dirty water rule. New articles have been releases stating that the upcoming rule leaves 2/3rds of America's wetlands unprotected and adds massive pollution at the state and local level.

As far as any official action, EPA must reopen before any work can be performed to process the paperwork needed in the Federal Register.

More soon.

### ***EPA-Corps Postponement Announcement:***

Due to the lapse in appropriations for the U.S. Environmental Protection Agency (EPA), EPA and the Department of the Army (Army) announced today they will postpone the planned January 23 public hearing on the proposed new "Waters of the United States" definition until after appropriations have passed to fund the EPA. Publication of the proposed rule in the Federal Register is also postponed.

A notification of public hearing was issued in the Federal Register on December 28, 2018 to hold a hearing in Kansas City, Kansas. EPA and Army will notify the public of the revised date for the public hearing, the start of the public comment period, public webcast and other outreach activities after appropriations have passed. Information on the status of the public hearing will be posted on the EPA website at <https://www.epa.gov/wotus-rule/revised-definition-waters-united-states-proposed-rule>.

On December 11, 2018, EPA and Army signed a proposed rule that would provide a clear, understandable, and implementable definition of "waters of the United States" that clarifies federal authority under the Clean Water Act while respecting the role of states and tribes in managing their own land and water resources. The agencies have submitted the proposed rule to the Office of the Federal Register for publication. A pre-publication version publication version of the Federal Register notice is available at: <https://www.epa.gov/wotus-rule/step-two-revise>.

EPA and Army will take comments on the proposal for 60 days after publication of the proposed rule in the Federal Register. Comments can be submitted online at <https://www.regulations.gov> or provided orally at the public hearing once rescheduled. Please follow the instructions for submitting comments to Docket ID No. EPA-HQ-OW-2018-0149. In addition, oral comments and supporting information presented at the public hearing will be considered with the same weight as written statements and supporting information submitted during the public comment period.

**Women of Aquatics  
APMS Board Book Report  
January 2019**

**Submitted by Amy Kay**

**Women of Aquatics Mission**

*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:** 2018-2019: Meetings were held last year (2018) at MAPMS, WAPMS, Wisconsin Lakes Partnership, APMS, FAPMS and TAPMS. In 2019 we have met at NEAPMS with plans to meet at MAPMS in February, Wisconsin Lakes Partnership in April, Michigan Lakes and Streams in May, APMS in July, and FAPMS and TAPMS in the fall. The board of directors will be meeting in March to put together an operating plan that aligns with our Strategic Plan (completed in 2018) and to plan for the first Women of Aquatics Annual Retreat that will be open to the Membership.
- **Membership Established:** Launched at APMS, July 2018
  - \$50 annual professional membership, \$50 affiliate membership, \$25 annual student membership
    - Annual membership includes:
      - 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.
      - Currently have 20 members but over 200 contacts. Goal to move more contacts to membership ASAP.
- **Committees Established:** 10 Committees have been established, all of which chaired by directors of the board. Each responsible for tasks and updates throughout the month to present to the BOD during the monthly conference call.
- **Slack:** WOA has begun using Slack which is a cloud-based team collaboration tool which has made communication between board members much more effective vs. using email.

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

## **WSSA Report**

Submitted by: Rob Richardson

No WSSA board meetings since APMS annual meeting report. Please refer to the last WSSA report for detailed information.

The 2018 WSSA annual meeting will be February 11-14 in New Orleans, LA. The Wildland and Aquatic Invasive Plants session is the morning of February 12 and has 13 talks.

Future meetings:

- March 2-5, 2020; Maui HI (joint meeting with WSWS)
- February 11-19, 2021; San Antonio TX; \$209 room rate
- January 30-Feb 3, 2023; Arlington VA; \$215 room rate

As mentioned in the last report, Arlington was a very successful WSSA meeting from a federal interaction standpoint. APMS should consider having a larger presence at this meeting or have the APMS annual meeting there.

***Evaluation of Management Options for Nitellopsis obtusa (Desvaux in Loiseleur) J. Groves, (1919) (Starry Stonewort) in the United States:***

**2018 Progress Report**

John H. Rodgers, Jr. and Tyler Geer  
Department of Forestry and Environmental Conservation,  
Clemson University, 261 Lehotsky Hall,  
Clemson, SC 29634-0001, USA

**Project Summary**

The goal of this research is to identify the best approaches for management of non-indigenous *Nitellopsis obtusa* (Starry Stonewort) across its current range in the US in an environmentally responsible manner. To accomplish this, the research is organized as three principal tasks: 1) a risk assessment that assembles relevant information and identifies data gaps pertaining to management of *N. obtusa* in the US; 2) thorough evaluation of approaches to manage *N. obtusa* in lakes across the currently infested area; and 3) evaluation of decontamination efforts to prevent off-site movement of Starry Stonewort as well as reintroduction into currently infested lakes. This report presents an overview of our progress in 2018 and our plan for completion of this research, i.e. publication of the research in peer-reviewed journals. A table summarizing the plan for publication of this research is included at the conclusion of this progress report.

**Task 1**

The scientific risk assessment for management of *N. obtusa* includes the risk of this invasive species in terms of potential distribution, as well as invasiveness and adverse effects due to its growth and spread. We have mined existing data for information needed for successful prevention of inter-lake movement and in-lake mitigation of populations, and are defining gaps and augmenting those data as necessary. We have conducted a preliminary genetic analysis of *N. obtusa* in multiple water resources across 5 different states (MN, WI, IN, MI, and NY), to answer residual questions regarding the genetic relatedness of *N. obtusa* populations. The risk assessment is underway and will be submitted for publication in *Biological Invasions* (Springer) in May 2019.

**Task 2**

To evaluate approaches to manage Starry Stonewort in lakes across the currently infested area, we are vetting chemical, mechanical, physical and strategic combinations (integrated) of tactics for in-lake control of *N. obtusa* populations, conducting screening-level laboratory and field studies to rank management tactics, and we are focusing definitive field studies on the most effective tactics to obtain confirmatory data during the upcoming year (2019). We recently completed a study evaluating the effectiveness of algaecide treatments for control of starry stonewort in an incipiently infested lake, and submitted the manuscript for publication in *Invasive Plant Science and Management* (WSSA) in January. In addition, this information was presented at several conferences in



2018 (see below). For evaluation of control tactics for lakes with a longer history and more extensive, mature populations of *N. obtusa*, we conducted studies in Lake Koronis, MN, Lake Tippecanoe, IN, and Lobdell Lake, for evaluation of algaecide treatments. We also collected data about the effectiveness of mechanical harvesting from the Huron chain of lakes, MI and Keuka Lake. These data will be in a publication that will be submitted to the *Journal of Aquatic Plant Management* in September 2019.

### Task 3

To evaluate decontamination efforts to limit the spread of *N. obtusa*, we are screening decontamination procedures, including pressure washing, steam spraying or application of algaecides or biocides to boats (bilges) and trailers that could be employed as a layer of protection to prevent dispersal. We have conducted laboratory experiments evaluating the viability of *N. obtusa* fragments and bulbils to desiccation and application of hot water, and will be progressing with evaluations of chemical decontamination tactics this spring. Those data will be a part of the publication *Effects of Thermal and Chemical Exposures Alone and in Sequence on the Viability of Propagules of Nitellopsis obtusa*, which will be submitted to *Applied Ecology* in September 2019.

#### Publications Submitted and Planned for Submission

Task	Publication	Journal	Date Submitted / Planned Submission Date
1	Risk Assessment for Management of <i>Nitellopsis obtusa</i> in Water Resources of the U.S.	<i>Biological Invasions</i>	May 2019
2	Rapid Response to Early Detection of <i>Nitellopsis obtusa</i> (Starry Stonewort) in Lake Sylvia, Minnesota, Using a Copper-Based Algaecide	<i>Invasive Plant Science and Management</i>	January 2019
2	Effectiveness of Algaecides for Management of <i>Nitellopsis Obtusa</i> in Water Resources of the U.S.	<i>Journal of Aquatic Plant Management</i>	September 2019
3	Effects of Thermal and Chemical Exposures Alone and in Sequence on the Viability of Propagules of <i>Nitellopsis obtusa</i>	<i>Applied Ecology</i>	September 2019

## **Presentations**

**Geer, T.D.,** Rodgers Jr. J.H., McComas S. January 8-10, 2019. Ongoing Management of an Incipient *Nitellopsis obtusa* (Starry Stonewort) Infestation in Lake Sylvia, Minnesota Using a Copper-Based Algaecide. Platform presentation at the 20<sup>th</sup> Annual Meeting of the Northeast Aquatic Plant Management Society, Albany, NY.

**Geer T.D.,** Rodgers Jr. J.H., McComas S. November 6, 2018. Management of *Nitellopsis obtusa* (Starry Stonewort) in a Recently Infested Minnesota Lake Using a Copper-Based Algaecide. Poster presentation at the 39<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Sacramento, CA.

**Geer T.D.,** Rodgers Jr. J.H., McComas S. October 4, 2018. Management of *Nitellopsis obtusa* (Starry Stonewort) in a Recently Infested Minnesota Lake Using a Copper-Based Algaecide. Platform presentation at the 40<sup>th</sup> Annual Meeting of the South Carolina Aquatic Plant Management Society, Myrtle Beach, SC.

**Geer T.D.,** Rodgers Jr. J.H., McComas S. July 17, 2018. Management of *Nitellopsis obtusa* (Starry Stonewort) in a Recently Infested Minnesota Lake Using a Copper-Based Algaecide. Platform presentation at the 58<sup>th</sup> Annual Meeting of the Aquatic Plant Management Society, Buffalo, NY.

**Geer T.D.,** Rodgers Jr. J.H., McComas S. February 28, 2018. Management of *Nitellopsis obtusa* (Starry Stonewort) in a Recently Infested Minnesota Lake Using a Copper-Based Algaecide. Platform presentation at the 38<sup>th</sup> Annual Meeting of the Midwest Aquatic Plant Management Society, Cleveland, OH.

**Geer T.D.,** Rodgers Jr. J.H., McComas S. January 11, 2018. Management of *Nitellopsis obtusa* (Starry Stonewort) in a Recently Infested Minnesota Lake Using a Copper-Based Algaecide. Platform presentation at the 19<sup>th</sup> Annual Meeting of the Northeast Aquatic Plant Management Society, New Castle, NH.

## New Business – Florida Algae Task Force

### **Governor Ron DeSantis Announces Major Water Policy Reforms**

On January 10, 2019, in News Releases, by Staff

Tallahassee, Fla. – Today, Governor Ron DeSantis signed Executive Order 19-12 (Achieving More Now For Florida’s Environment), implementing major reforms to ensure the protection of Florida’s environment and water quality.

“Our water and natural resources are the foundation of our economy and our way of life in Florida,” said Governor Ron DeSantis. “The protection of water resources is one of the most pressing issues facing our state. That’s why today I’m taking immediate action to combat the threats which have devastated our local economies and threatened the health of our communities.”

The order calls for:

- \$2.5 Billion over the next four years for Everglades restoration and protection of water resources (a \$1 Billion increase in spending over the previous four years and the highest level of funding for restoration in Florida’s history).
- The Establishment of a Blue-Green Algae Task Force, charged with focusing on expediting progress toward reducing the adverse impacts of blue-green algae blooms now and over the next five years.
- Instruction to the South Florida Water Management District to immediately start the next phase of the Everglades Agricultural Area Storage Reservoir Project design and ensure the U.S. Army Corps of Engineers approves the project according to schedule.
- The Creation of the Office of Environmental Accountability and Transparency charged with organizing and directing integrated scientific research and analysis to ensure that all agency actions are aligned with key environmental priorities.
- The Appointment of a Chief Science Officer to coordinate and prioritize scientific data, research, monitoring and analysis needs to ensure alignment with current and emerging environmental concerns most pressing to Floridians.

### **Executive Order 19-12: Achieving More Now For Florida’s Environment**

#### **Section 1: Focus on Rapid Improvement for Water Quality, Quantity and Supply**

I hereby direct the Department of Environmental Protection (DEP), the Department of Health (DOH) as provided in paragraph J below, and Visit Florida and the Department of Economic Opportunity (DEO) as provided in paragraph L below, to take the following actions to enhance Florida’s water quality and preserve its natural resources:

A. Secure \$2.5 billion over the next four years to invest in Everglades restoration and protecting our water resources.

B. Establish a Blue-Green Algae Task Force, charged with focusing on expediting progress toward reducing the adverse impacts of blue-green algae blooms now and over the next five years. This task force should support key funding and restoration initiatives to expedite nutrient reductions in Lake Okeechobee and the downstream estuaries. This task force should identify priority projects for funding that are based on scientific-data and build upon Basin Management Action Plans to provide the largest and most meaningful nutrient reductions in key waterbodies, as well as make recommendations for regulatory changes.

C. Update and secure all restoration plans, within one year, for waterbodies impacting South Florida communities, including Lake Okeechobee and the Caloosahatchee and St. Lucie Estuaries. These updates will ensure that the Blue-Green Algae Task Force has the necessary information to provide guidance to DEP on maximizing the investments in water quality improvements.

D. Instruct the South Florida Water Management District to immediately start the next phase of the Everglades Agricultural Area Storage Reservoir Project design and ensure the U.S. Army Corps of Engineers approves the project according to schedule.

E. Expedite key Everglades projects including the C-44 reservoir and stormwater treatment area, C-43 reservoir, Tamiami Trail and additional projects necessary to protect our waterways and natural resources.

F. Work with the South Florida Water Management District to add stormwater treatment to the C-43 Reservoir to provide additional treatment and improve the quality of water leaving this important storage component.

G. Expedite projects with the U.S. Army Corps of Engineers to improve management of Lake Okeechobee, including updating the Lake Okeechobee Regulation Schedule and identifying water quality treatment technologies to install near water control structures in Lake Okeechobee.

H. Direct DEP to establish a septic conversion and remediation grant program with a local government match requirement.

I. Instruct all five water management districts to increase transparency and accountability by providing data and information to DEP to support key water quality restoration efforts. Instruct all water management districts to review budgets and prioritize available funding to focus on projects that will help address harmful algae blooms and maximize nutrient reductions.

J. Participate in Florida Fish and Wildlife Conservation Commission's (FWC) Harmful Algal Bloom Task Force to provide technical expertise and assistance studying causes and impacts of red tide. The DOH is also directed to participate in FWC's Task Force to help study air quality and human health impacts of red tide.

K. Continue DEP's red tide emergency grant program to support local governments to clean up their beaches and coastal areas to minimize the impacts of red tide to residents and visitors.

L. Partner with Visit Florida and DEO to identify opportunities within communities and recommend investments in green infrastructure, such as wetland treatment systems, that benefit our natural resources and local economies by increasing recreational and tourism opportunities, while improving water quality.

M. Engage local governments, industry, universities and water management districts to identify and research all viable alternative water supply sources and provide an assessment of funding needs critical to supporting Florida's growing economy. DEP should take all necessary steps to establish recurring funding for an alternative water supply grant program to help communities plan for and implement vital conservation, reuse and other alternative water supply projects.

N. Engage local governments, industry, citizens and other stakeholders through a targeted education and outreach campaign that will focus on the importance of conservation and reuse efforts and encourage Floridians to implement essential conservation and reuse efforts in their homes, businesses and communities throughout Florida.

O. Continue to explore every option to stop Georgia's harmful upstream water use from causing further adverse impacts to the Apalachicola River and Bay.

## **Section 2: Restructuring to Focus on Accountability, Transparency, and Science to Achieve More Now for Florida's Environment**

I hereby direct DEP to implement the following actions to ensure the agency is making sound decisions based on the best available science and providing for accountability and transparency:

A. Create the Office of Environmental Accountability and Transparency charged with organizing and directing integrated scientific research and analysis to ensure that all agency actions are aligned with key environmental priorities.

B. Appoint a Chief Science Officer to coordinate and prioritize scientific data, research, monitoring and analysis needs to ensure alignment with current and emerging environmental concerns most pressing to Floridians.

C. Take all necessary actions to move the Environmental Crimes Enforcement Unit from FWC to DEP to align resources focused on environmental protection and ensure strong enforcement of Florida's environmental laws.

## **Section 3: Ensure Florida's Valuable and Vulnerable Coastlines and Natural Resources are Protected**

I hereby direct DEP to implement the following actions to protect Florida's coastlines and natural resources:

A. Create the Office of Resilience and Coastal Protection to help prepare Florida's coastal communities and habitats for impacts from sea level rise by providing funding, technical assistance and coordination among state, regional and local entities.

B. Take necessary actions to adamantly oppose all off-shore oil and gas activities off every coast in Florida and hydraulic fracturing in Florida.