



SPRING 2016

WWW.MAPMS.ORG

**FROM THE DESK OF THE PRESIDENT: DICK PINAGEL**

Dear MAPMS Membership -

Thank you for attending the 36<sup>th</sup> annual MAPMS Conference in Grand Rapids, Michigan. I hope you enjoyed the setting and the program.

I would like to acknowledge and thank the Board of Directors and all the various committee members for their efforts in making this conference a success!

Attendance was at an all-time high with nearly 240 attendees! These attendees represented 20 states from California to New York. The program featured 33 total presentations including several talks regarding starry stonewort. The program also featured 6 student presentations including, last year's winners of the Robert L. Johnson Memorial Research Grant, Kyla Iwinski and Alyssa Calomeni.

Many universities and colleges were represented with students from these institutions providing oral presentations and poster presentations on a variety of interesting topics. Universities and colleges represented were: North Carolina State University, Clemson University, University of Wisconsin, University of Florida, Central Michigan University, Montana State University, Michigan Tech University, SUNY University in New York State, University of Minnesota at Twin Cities, and the University of Trent London Ontario Canada.

We can never acknowledge and thank our sponsors enough! Without them, we could never provide the type of meeting that we've all come to expect! Thank you to all our sponsors and silent auction contributors!

Finally...Let me add that your Board of Directors are committed to providing the best conference experience possible. That is; an interesting and diverse program, a great venue, good food, and all the other touches that you've come to expect from a MAPMS conference!

Our focus is continual improvement and growth of this wonderful Society! Your feedback is always welcome.

Thank you!

Dick L. Pinagel  
President



---

**37TH ANNUAL MAPMS CONFERENCE : FEBRUARY 27-MARCH 2, 2017**

**HYATT REGENCY: MILWAUKEE, WI**

The 37<sup>TH</sup> Annual Midwest Aquatic Plant Management Conference will be held February 27-March 2, 2017 at the Hyatt Regency in Downtown Milwaukee, WI. The 37<sup>TH</sup> conference will start on Monday and conclude with the banquet Wednesday evening. The Board of Directors will conduct the post-conference meeting on Thursday March 2, 2017. This will be the first time in recent history that we will start on a Monday, we will try this format for a few years and from your feedback determine if we continue with this scheduling.

---

**NEWS FROM THE MEMBERSHIP & PUBLICITY COMMITTEE CHAIR: AMY KAY**

**Membership:**

232 registrants for 2016 conference, 179 full memberships. Most notable would be the Board's push to get more students to attend and speak at the conference, we had 19 students which was nearly 4 times as many as in 2015.

The Membership would like to thank everyone that participated in the Conference Survey as we collected 60 responses versus 23 in 2015. Feedback from the Membership enables the BOD to better plan and execute future conferences and tailor the meeting to meet the needs of our Membership and Conference Attendees. We look forward to incorporating your feedback into the 2017 Conference.

Continued on Page 2

## NEWS FROM THE MEMBERSHIP & PUBLICITY COMMITTEE CHAIR: AMY KAY (CONT.)

### Publicity:

The Society has exhibited at the following annual conferences this year: Illinois Lakes Management Association, Indiana Lakes Management Society, Wisconsin Lakes Partnership, and will be exhibiting and advertising at the Michigan Inland Lakes Convention at the end of this month. The new "Water Creates Memories" pamphlet has been included in the booth exhibit and distributed to attendees as a tool to promote the society.

If you haven't already, be sure to follow us on Facebook at [www.facebook.com/midwestapms](http://www.facebook.com/midwestapms) or key word search: MAPMS

---

### A BIG THANKS TO OUR 2016 CONFERENCE SPONSORS!

#### DIAMOND (\$2500 OR MORE)

APPLIED BIOCHEMISTS/LONZA  
AQUATIC CONTROL, INC.  
CYGNET ENTERPRISES, INC.  
SEPRO CORPORATION  
SYGENTA PROFESSIONAL PRODUCTS  
UNITED PHOSPHORUS INC.

#### PLATINUM (\$1000-\$2499)

AIRMAX ECOSYSTEM, INC.  
ALLIGARE, LLC  
AQUATIC BIOLOGISTS  
GROWMARK  
KEETON INDUSTRIES  
NUFARM

#### GOLD (\$750-\$999)

BREWER INTERNATIONAL

#### SILVER(\$350-\$749)

BIOSAFE SYSTEMS  
CLEAN LAKES MIDWEST, INC.  
CROP PRODUCTION SERVICES  
KEYCOLOUR, INC.  
PLM LAKE AND LAND MANAGEMENT  
CORP.  
VERTEX WATER FEATURES

#### BRONZE (\$100-\$349)

AQUARIUS SYSTEMS  
AQUATIC MANAGEMENT, INC.  
AQUATIC WEED CONTROL  
LAKEPRO, INC.  
NORTHERN ILLINOIS LAKE AND POND  
MANAGEMENT  
OTTERBINE BAREBOO, INC.  
POND BIOLOGICS

---

### NEWS FROM THE GOVERNMENT AFFAIRS COMMITTEE: NATE LONG

We had good attendance from government employees at this year's conference. Unfortunately, many government workers face restrictions on travel expenses for this type of conference. Attendance was aided by support from MAPMS to help cover some of these expenses. If you are a government employee, or know of an employee that may be interested in attending next season, please let them know that there is assistance available. One simply need to fill out the alternate registration form designed for government students and government employees.

MAPMS works very hard to provide a means to receive continuing education credits that can be applied to your applicator license. At the 2016 conference we provided credits for Indiana, Kentucky, Tennessee, Ohio, Pennsylvania, Kansas, and Maryland. If you need credits in a state not previously listed feel free to contact us and we will work on getting that set up in 2017. Thank you to all those that helped with this endeavor in 2016.

---

### NEWS FROM THE STUDENT AFFAIRS COMMITTEE: DR. RYAN THUM

We had an excellent turnout for students at the 36<sup>TH</sup> MAPMS Conference and here are the winners!

#### Oral Presentations:

**First - Kyla Iwinski** – *Clemson University* Comparison of Laboratory and Field Responses of a Microcystin Producing Cyanobacteria (*Microcystis aeruginosa*) to a Copper-Based Algaecides.

**Second - Danielle Grimm** – *Montana State University* How General is the Trend of Increased Invasiveness of Hybrid Watermilfoil, and Do Hybrid and Eurasian Watermilfoil Show Equal Response to Endothall?

**Third - Alyssa Calomeni** – *Clemson University* Predicting Copper Bioavailability in Six and Twenty Cove Sediments of Hartwell Lake (Anderson, SC).

#### Robert L. Johnson – First place tie (\$3750 award for each)

**Ciera Kinley** – *Clemson University* Influences of *Microcystis aeruginosa* cell density on subsequent microcystin production and concentrations of a copper-based algaecide necessary to achieve control

**Jeff Pashnick** – *Montana State University* Development of next-generation sequencing genetic markers for the study of hybrid vigor and adaptation in hybrid Eurasian watermilfoil

## NEWS FROM THE STUDENT AFFAIRS COMMITTEE: DR. RYAN THUM (CONT.)

### Posters

**First – Tyler Geer – Clemson University** Sediment Copper Concentrations, in situ Benthic Abundance, and Sediment Toxicity: Comparison of Coves Treated with Copper-Based Algaecides and Untreated Coves in a Southern Reservoir

**Second - Carmen Leguizamon – Michigan Tech University** A laboratory study of the proposed biocontrol fungus *Mycoleptodiscus terrestris* on hybrid Eurasian watermilfoil and native macrophytes.

**Third - Ryan Van Goethem – Michigan Tech University** Effects of Stamp Sands Deposits on Aquatic Macrophyte Communities in the Portage Waterway, MI

Congratulations to our winners and a huge thank you to all who participated. The Society would like to formally recognize that the students that attend conferences and participate in the presentations, posters and research grant are the future of our industry.

***OUR FUTURE IS BRIGHT!***

---

## NEWS FROM THE SILENT AUCTION & RAFFLE COMMITTEE: JAKE BRITTON

This year we raised approximately \$9000 from the silent auction sales and box raffle. Thank you to everyone that brought an item for the silent auction, bid on a silent auction item and purchased box raffle tickets. All of the funds generated from the box raffle and silent auction go to support the Robert L Johnson Memorial Research Grant. This grant is awarded each year to support research in the field of aquatic plant management. The MAPMS board of directors recently approved increasing the grant award to up to \$10,000. Thank you again for your generous support of the Robert L Johnson Memorial Research Grant!

---

## NEWS FROM THE EXHIBITS COMMITTEE: JAKE BRITTON

We had 25 exhibitors at the 2016 conference, thank you all who exhibited. As a reminder, exhibit space is available on a first come first serve basis. If you plan to exhibit at the conference in Milwaukee in 2017, I suggest you register early. This will ensure you have a spot.

This year Airmax was awarded the exhibitor award, congratulations again to Airmax!

I hope you found the conference valuable on a professional and personal level.

---

## 2016-17 MAPMS COMMITTEE SUMMARY & DIRECTORY

Below you will find a summary of all the current MAPMS Committees. The work of these committees is vital to the continued function of the society. We encourage all members to join a committee listed below. Please click on the committee chair link to send an e-mail and offer your thoughts and ideas. Thanks to all those who volunteer their time to MAPMS.

### Membership

Work with editorial committee, treasurer and the Board to produce and update the membership directory. Investigate ways of increasing membership in MAPMS. Develop of list of those in the aquatics industry to invite to the conference from the host state. Recommend qualified and duly nominated candidates for Honorary Membership as per MAPMS by-laws. Committee members: **Amy Kay- Chair**, Jim Donahoe, Eddie Heath, Scott Schuler.

### Nominating

Recommend potential nominees for board positions. Determine if nominees are qualified per MAPMS by-laws and willing to serve if elected. Committee members: **Jacob Meganck-Chair**, Nate Long, Dick Pinagel, John Goidosik.

### Editorial

Responsible for all society publications. Prepare timely mailings to the membership regarding events for or promoted by the society. Collect and maintain MAPMS archives. Facilitate operations of technology at conference sessions. Committee members: **Rich DeJonghe-Chair**, Steve Zulinski, Jacob Meganck, Amy Kay

### By-Laws

Consider all resolutions and by-laws changes. Present for consideration all petitions with 10 or more signatures of voting members. Committee members: **David Isaacs – Chair**, Nate Long, Jake Britton.

### Program

Develop the annual meeting program with the assistance of the Vice President. Work with the local arrangements committee in organizing supplemental seminars or workshops. Work with secretary, treasurer and the board to ensure annual meeting expenses are within established budget. Committee members: **Paul Hausler – Chair**, the Board of Directors.

### Local Arrangements

Provide the board with timely information useful in planning the annual meeting. Plan and coordinate all activities inside and outside the hotel complex, at all official society functions. Inform the program chair of local individual with potential for program speakers. Committee members: **Eddie Heath – Chair**, Amy Kay, Jake Britton.

### **Publicity**

Responsible for maintenance of the MAPMS exhibit booth. Place advertisements or announcements concerning society meetings and other activities relating to the aquatics industry. Make recommendations concerning the course of actions in matters involving keeping citizens advised of information related to aquatic plant management. Committee members: **Amy Kay – Chair**, Zach Haas, Matt Johnson, Rich DeJonghe.

### **Internal Audit**

Audit all books and fiscal documents of the society prior to the annual meeting. Committee members: **Jacob Meganck– Chair**, John Goidosik.

### **Governmental Affairs**

Inform the society about existing, pending or needed legislative / regulatory action of interest to the society. Coordinate re-certification credits for the various states in the MAPMS region at the annual conference and any other society functions that may qualify. Committee members: **Nate Long-Chair**, Eric Schutman, Carlton Layne.

### **Exhibits**

Contact potential exhibitors for participation at the annual conference. Facilitate exhibitor space at each conference site. Coordinate judging and presentation of best-exhibit award at the banquet. Committee Members: **Eric Schutman-Chair**, Jake Britton, Jacob Meganck, Garrett McClain, John Olsen

### **Past-Presidents Advisory**

Develop and maintain the operating manual. Examine the goals of the society and make recommendations to the board as required. Committee members: **Jacob Meganck-Chair**, all MAPMS past-presidents.

### **Student Affairs**

Promote student membership in the society. Facilitate the collection of, judging and awards for student paper contest, poster contest and any MAPMS research grants. Committee members: **Dr. Ryan Thum– Chair**, Syndell Parks, Jake Britton, West Bishop, Patrick Goodwin, Eddie Heath.

### **Silent Auction and Raffle**

Arrange Silent auction and scholarship raffle. Solicit donation of items and obtain raffle tickets. Work with program and local arrangements committees to produce successful event at the banquet. Produce thank you letters to all item donators. Committee members: **Jake Britton – Chair**, Garrett McClain, Casey Thompson, Amy Kay, John Goidosik, Nick Barnes, Zach Haas, Jacob Meganck

### **2019 Time and Place (Illinois)**

Work with meeting planner to find host site for annual conference based upon the rotation of IN-MI-WI-OH-IL, with other states to be considered as required. Committee members: **Nate Long-Chair**, Amy Kay, Jake Britton, Jacob Meganck

### **Sponsorship**

Solicit sponsors for annual conference. Ensure that each sponsor is recognized as per conference guidelines. Committee members: **Jacob Meganck – Chair**, Joe Bondra, John Goidosik, Matt Johnson.

### **Strategic Planning**

Implement the strategic plan to ensure the longevity of the society. Research and propose changes to the strategic plan as require. Committee members: **Eric Schutman-Chair**, David Isaacs, Steve Zulinski

### **Finance**

Implement the strategic plan to ensure the longevity of the society. Research and propose changes to the strategic plan as require. Committee members: **Dick Pinagel-Chair**, Steve Zulinski

To read a full description of each committee's responsibilities please consult the MAPMS Operating Manual on [WWW.MAPMS.ORG](http://WWW.MAPMS.ORG)

---

## **THE NORTHERN LAKES MANAGER SPONSORS:**

**Eric Barkemeyer, Alligare**

**Joe Bondra, Cygnet Enterprises**

**Bob Langjahr, Aquatic Biologists**

**Matt Frey, Kasco Marine**

**David Issacs, Aquatic Control**

**Guy Savin, Savin Lake Services**

**Neil Gerber, Aquatic Management, Inc.**

**Eric Schutman, Syngenta**

**Steve Brewer, Brewer International**

**Jason Blake, The Pond Guy**

## FROM THE EDITOR:

Thank you to all that attended the 2016 MAPMS Conference in Grand Rapids, MI. We had a great turnout and great presentations from the students and other presenters representing manufacturers, government and organizations. The poster session has grown to be a great portion of the conference and we had really great represented work. We are all looking forward to having a great season, if we can ever get rid of that frosty precipitation!

With that said please remember that the 2017 conference to be held in Milwaukee, WI and will begin on a Monday with the banquet concluding the festivities on Wednesday evening. This change in the schedule of the event was a difficult decision by the Board of Directors however it was considered from the feedback from the membership. This is your organization and the Board of Directors are charged with bringing you the best educational and networking opportunities for the time you take from your busy preseason schedule. We look forward to serving you in the coming year and please reach out to the board to let us know how we can continue to build and strengthen this great organization!

**Rich DeJonghe**

**MAPMS Editor**



## 2016-17 MIDWEST AQUATIC PLANT MANAGEMENT SOCIETY BOARD OF DIRECTORS