



SPRING 2019

WWW.MAPMS.ORG

FROM THE DESK OF THE PRESIDENT: JAKE BRITTON

Dear MAPMS Members,

As I look out my office window today to write you the signs of spring are obvious. The maple tree is budding, a robin's nest is in the tree, the grass is getting green and there is 3" of heavy wet snow on the ground. Just a normal spring day in Michigan, yet we all know the busy summer season will be here soon.

I want to begin by thanking everyone who attended and supported the 39th annual conference in Chicago, IL. A very special thanks to all of our sponsors and exhibitors, our conferences would not be possible without all of your involvement and financial support, **THANK YOU!** I'd also like to recognize all of the presenters, MAPMS members, board of directors, committees, silent auction donors and winners as well as raffle participants. We are fortunate to have one of the strongest APMS chapters as a result of dedicated support from our membership for over 39 years.

Being the first MAPMS conference ever held in downtown Chicago, a program full of exceptional oral and poster presentations, a beautiful historic hotel, countless dining and entertainment options and the opportunity to learn from our colleagues from all corners of the country made it truly memorable. Personally, I enjoyed the downtown atmosphere, it was a nice change from where we have hosted our Illinois conferences in the past. I was able to experience a few great restaurants and I heard the same from some of you. The open evening time in the program even provided the chance for a group of attendees to see the Broadway musical Hamilton while in Chicago! We had a wide range of topics discussed, from Trent Lewis' opening presentation on business and ending with Emily Henrigillis' presentation on using social media effectively - and of course numerous educational and engaging talks on the management of aquatic plants and algae.

A lot goes on behind the scenes to plan our annual event and this year did not come without unique challenges. However, because of the effort invested by the MAPMS board, committee members and Bill Torres we were able to pull off another great conference. I would like to extend the appreciation we have for Bill and the service he provides to MAPMS. Bill has been working for the Society with our best interest at the forefront as it relates to organizing and planning our conference for several years now and these events would not be what they are without his involvement. Thank you Bill!

2020 marks the 40th anniversary of MAPMS and our annual conference will be held in downtown Indianapolis at the Hyatt Regency Hotel. The very first MAPMS conference I attended back in 2000 was also in Indianapolis. I remember it well, the drive to Indianapolis with Joe Bondra, dozens of Aquatic Control staff in blue and yellow shirts and Bill Ratajczyk was our president. I remember being impressed with the amount of passion the attendees had for the aquatics industry and MAPMS. I met a lot of people at that conference, many I am proud to have as my friends and still serve the society today. When I look back, it was my experience at that conference that instilled in me a passion for the aquatics industry, shaped my career path and had a major impact on my life. It is my honor to serve this society.

I challenge each of us to bring a new member to the conference next year, you never know, that new member may be impacted by their first conference, just like I was.

Thank you,

MAPMS President, Jake Britton

40TH Annual MAPMS February 10-February 13, 2020. Hyatt Regency, Indianapolis, Indiana.

LOCAL ARRANGEMENTS COMMITTEE: MATT JOHNSON

Back Home Again in Indiana! 2020 will be the 40th Anniversary of the Midwest Aquatic Plant Management Society. We hope to have a record crowd at the Hyatt Indianapolis Downtown, in the heart of the action. The program planning has already begun and we promise will be an occasion that cannot be missed by Aquatic Professionals throughout the Midwest and beyond! For the time outside of the conference, the city will not disappoint as there is plenty to do outside in this great atmosphere.

Highlights of MAPMS 2020 at the Hyatt Indianapolis: The dates of the conference are 2/10 – 2/13, earlier than we typically have the conference. Room Rate of \$159 locked in, self-parking \$35, valet \$40 per night, \$10 shuttle fare to Airport. The hotel has a couple of restaurants on the property and is attached via skywalk to others including World Famous St. Elmo's Steak House, Harry and Izzy's and the Punch Bowl Social. Many downtown attractions are within walking distance of the hotel.

We look forward to seeing all of you at the 2020 Annual Conference in Downtown Indianapolis, IN. If you have any questions or comments regarding the 2020 local arrangements in Indianapolis, please contact Committee Chair, Matt Johnson: mattj@aquaticcontrol.com.

STUDENT AFFAIRS COMMITTEE CHAIR: EDDIE HEATH

Student involvement and support is critical to fulfilling the mission and vision of MAPMS, and once again student involvement at the annual conference contributed to an excellent program. This committee strives to increase student attendance at the annual conference, as well as provide a platform for students to share their research with the MAPMS membership.

The Robert L. Johnson Memorial Research Grant is the primary mechanism that MAPMS supports graduate student research. With so many high-quality applications being received each year, this committee will discuss a more formal grant application process to assist with selecting the most deserved student research to support.

This year's top grant award (\$7,500) was provided to Jeff Pashnick of Montana State University. Jeff's research will investigate whether invasive watermilfoil genes can be linked to herbicide resistance, which may allow new populations to be rapidly scanned to inform selection of more effective herbicide management strategies. Jens Beets from North Carolina State University received \$2,500 in grant funds to evaluate growth patterns and herbicide response of wild celery. Wild celery populations with the highest growth patterns and muted herbicide response may be most applicable for revegetation efforts following invasive plant management activities. We congratulate both students, and wish them well in their research endeavors.

Five students gave oral or poster presentations at this year's conference in Chicago, Illinois. This year's winners are listed below. We applaud the effort and commitment these students have exerted towards the aquatic plant management industry and specifically to MAPMS.

If you have any questions regarding student involvement, grant and scholarship opportunities or to be involved on the student affairs committee, please contact committee chair, Eddie Heath at cheath@onterra-eco.com

2018 MAPMS CONFERENCE STUDENT AWARDS

Oral presentations

1st place – Tyler Geer, Clemson University. *“Ongoing management of an infestation of Nitellopsis obtusa (Starry stonewort) in Lake Sylvia, Minnesota, using copper-based algaecide.”*

2nd place – Andrew Howell, North Carolina State University. *“Consumer available sUAS*

3rd place – Greg Chorak, Montana State University, *“Identifying hybrid watermilfoil gene expression differences to improve adaptive management outcomes for watermilfoil control.”*

Poster Presentation Winners:

1st place – Jens Beets, North Carolina State University, *“Evaluation of Eurasian and hybrid watermilfoil accessions following exposure to different environmental conditions and herbicides.”*

2nd place – Kara Foley, North Carolina State University, *“Variable leaf milfoil (Myriophyllum heterophyllum) response to florypyrauxifen-benzyl concentration exposure times.”*

3rd place – Andrew Howell, North Carolina State University, *“Utilization of dual transducers improves hydroacoustic survey efficiency.”*

The Student Affairs Committee would like to thank Tyler Geer (Clemson University) for completing his term as the first Student Representative of the MAPMS Board of Directors. Greg Chorak (Montana State University) has been appointed as the succeeding Student Representative; we look forward to his input and representation to MAPMS.

CONGRATULATIONS TO OUR 2018 MAPMS CONFERENCE WINNERS!

EDITORIAL UPDATE: LEIF WILLEY

The 2019 MAPMS conference held in Downtown Chicago, IL is officially in the books, and what a great conference it was! For the third year, we had our conference materials available on the WhoVA smartphone app platform. The purpose for this was to encourage interaction between all attendees, sponsors, exhibitors and speakers. The WHOVA App allowed us to provide conference schedules, hotel maps and speaker information and more in a compact, electronic format. Messaging was also a nice feature included that allowed communication between users without having to exchange phone numbers or look for people during breaks. This was an easy way to privately reach out to another person and make contact. Some highlights of the app use this year are listed here.

Adoption of the mobile app was very popular among attendees. We will continue to evaluate the perception and value of this service and decide if we will continue to use the app in the future.

In other news from the editorial department, the updated bylaws have been published to the website as well as several job listings that were posted during the conference. I would also like to remind the membership to please provide any feedback regarding the WhoVA App or MAPMS mailings to admin@mapms.org. This year there are big changes coming to the MAPMS website as we are currently in the process of redesigning the website to completely update its appearance and functionality. We are looking forward to the launch of the finished product! As always, an email will be sent to the membership to inform of any important updates to the websites content and other important announcements and news.

Here a few statistics of how the app was used:

⇒ 76% of attendees downloaded the app (+15% from 2018)

⇒ 100% of users reported that they found the app useful

⇒ 30 messages exchanged among users

⇒ Our conference was tweeted 120 times

⇒ Top 2 Events/sessions by user check-ins and comments

-President's Reception

-Session A (HAB's)



MEMBERSHIP COMMITTEE: AMY KAY

It was great to see the MAPMS Members that were able to attend the 39th Annual Conference this past February in Chicago! This year was the second year we offered a new member mixer combined with the student mixer prior to the President's Reception at Miller's Pub. Approximately 35 new members and students were invited to attend this casual event for an opportunity to network with other new members, students as well as some of the MAPMS board and a handful of experienced members. In addition to the new member/student mixer the Committee decided to identify our new members with a green star on their name badge, Past President Long challenged each seasoned Member to reach out and introduce themselves to a New Member. We hope our New Members felt welcomed into the Society in addition to experiencing an exceptional conference resulting in their return to our annual conference in the years to come. As MAPMS strives to retain our active Membership as well as grow and diversify new Membership each year, your feedback is important to us. As a committee we compile and read your feedback we receive through the conference survey and live polling throughout the conference and implement what we are able so you continue to see value in your Membership with MAPMS and our annual conference. This year, the survey was once again available electronically via Survey Monkey which you should have received through your email address registered with MAPMS and the WhoVA application. Thank you for all who participated in the survey as well as the live polling during the conference. For any comments or suggestions throughout the year on how we can provide you with the most value for your membership or grow and diversify our membership as a whole, please don't hesitate to reach out to Committee Chair, Amy Kay: amyk@mapms.org.

PUBLICITY COMMITTEE: AMY KAY

MAPMS looks forward to seeing you at the local state conferences throughout the Midwest this year as well as at the National APMS conference in San Diego, California (July 14-17, 2019). The Aquatic Plant Identification Chart as well as the Water Creates Memories Brochure (an educational document created in 2015 providing information on the importance of aquatic plant management) is available both at the booth, and by request to support you individually, for group meetings and/or any others you feel would benefit from this pieces. Be on the lookout for a refreshed exhibit booth sometime over the next year – the Publicity Committee will be working with the Editorial Committee on a new display mirroring the future look to the website. The Committee would like to thank the Midwest plant identification experts that have provided detailed feedback, suggestions and updated images to support keeping our materials relevant. For copies of the chart or brochure, or suggested exhibiting/publicity opportunities for the Society, please contact Committee Chair, Amy Kay: amyk@mapms.org.

NEWS FROM THE GOVERNMENT AFFAIRS COMMITTEE: MATT JOHNSON

At our recent 2019 annual conference, we had continuing education credit hours for professional applicator license holders in Indiana, Kentucky, Tennessee, Ohio, and Michigan. Illinois, Wisconsin, and Minnesota do not offer recertification credit hours, but rather require periodic testing. Please let a board member know if you regularly attend the conference and are interested in us obtaining credits for a state that is not covered in this list.

The definition of Waters of the United States was a topic of interest that the 2019 conference. The new definition was published in the federal register and was open for public comment through April 15. We would like to thank all members who took the time to provide comments on this new definition that will indeed impact our industry in some manner moving forward.

As many of you are aware, the Florida Fish & Wildlife Conservation Commission paused all aquatic herbicide applications to state waters due to public outcry against these applications. The commission held a series of public meetings to listen to the public concerns and then the commission met and discussed a plan of action based on those concerns. Although it is still under review and potential changes to the program are being evaluated, the pause has been ended and applications are underway again. Although this was considerably outside of the area of focus of the Midwest Aquatic Plant Management Society, we felt it very important to support and provide comments on the program. This program is one of the top aquatic programs in the world, and we felt that it was very important for our society and membership to continue to present science-based data that supports the efforts and program developed by the FWCC.

Please keep us in the loop on any regulatory questions and concerns in your state or community that could positively or negatively impact our industry, by letting us know. The committee can be reached by emailing the committee chair, Matt Johnson at mattj@aquaticcontrol.com. We don't care how small the issue may seem. If there is an issue that is affecting your business, we want to know about it. Although the issue may start out small and localized, it is common that if such issues progress, they will affect a much larger group or even the entire industry. We are always willing to assist with any questions or concerns or take them to our other partner societies if it is something that they are better positioned to work on. In addition to our parent society (APMS) and other sister chapter societies, we encourage all members to engage and become supporters of both Aquatic Ecosystem Restoration Foundation (AERF – www.aquatics.org) and Responsible Industry for a Sound Environment (RISE – www.pestfacts.org). These organizations help our industry in many ways and it is important to continue to support them.

A BIG THANKS TO OUR 2019 CONFERENCE SPONSORS!

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Guy Savin, Savin Lake and Pond
Jeff Suttner, Airmax

THE SILENT AUCTION & RAFFLE COMMITTEE: LANDON WIET

The Silent Auction and Raffle at the 2019 MAPMS conference was a great success. The generous donations, 50/50 raffle, silent auction items, and raffle items raised almost \$10,000 to support the Robert L. Johnson Memorial Research Grant. Thank you to everyone that donated or participated to help sustain this scholarship and congratulations to the recipients.

The Silent Auction and Raffle would not be so successful without the help and support of volunteers. If you are interested in serving on the Silent Auction and Raffle committee for 2019-2020 please contact me at Landon.w@naturalake.com. See you at MAPMS 2020 next year!

EXHIBITS COMMITTEE: DAVE NICHOLSON

We would like to thank the Support and Participation of our 25 exhibitors during this year's MAPMS 2019 Chicago Conference. Congratulations to this year's best exhibit, Outdoor Water Solutions – and a special thank you to our students who participated and voted on this year's best exhibit – we appreciate your support! As a reminder, exhibit space is available on a first come first serve basis. We encourage all exhibitors to register early, secure your spot, and join us for MAPMS 2020 INDIANAPOLIS. To all valued exhibitors, please feel free to reach out to me and make suggestions for how we can improve your overall conference and experience.....we are listening! Otherwise, as your committee chair, I will continue to work on new ideas and drive exhibitor value and interest – see you all in Indianapolis next year! Thank you!!

Contact Dave Nicholson to add your suggestions and secure your exhibit spot for the 2019 conference, REGISTER EARLY: dave@mapms.org

STRATEGIC PLANNING COMMITTEE: ERIC SCHUTMAN

Strategic planning committee is in full force since the last session with Dr. Rogers. We are constantly working on long and short term goals for the longevity of the society. The vision and mission statement fully aligns with future goals we work on each year. We feel this reflects how MAPMS aligns with its members and moving into the future. The board strives each year to keep its core values strong. With our Core Values and vision that MAPMS is a leading chapter in aquatic plant management. We will work with the society each year so that MAPMS is continuously moving forward in the industry.

WELCOME OUR NEWEST COMMITTEE MEMBER: PETER FILPANSICK

Pete Filpansick is an Aquatic Biologist and Director of Lake Management at LakePro, Inc. in Michigan. He started as a seasonal applicator in 2004 while attending the University of Michigan. In 2007, Pete graduated with a bachelor's degree in biology and moved into his current role at LakePro. During his time in aquatics, he has learned a great deal about the science and business of the industry and looks forward to many more years in the business. As a new board member, Pete looks forward to helping increase Society membership, student participation, and outreach. He will work hard to make sure we continue to be one of the best APMS chapters.



2019-20 MIDWEST AQUATIC PLANT MANAGEMENT SOCIETY BOARD OF DIRECTORS

WOULD YOU LIKE TO SERVE YOUR SOCIETY?

The Nominations Committee is now accepting nominations for positions on the 2019-2020 Board of Directors!

If you would like to be a part of leading this great organization please contact the committee chair:

Nathan Long: natel@aquaticcontrol.com



Facebook Search: mapms

40TH Annual MAPMS February 10th-13th, 2020, Hyatt Regency, Indianapolis, Indiana