

# Lota - Fisk



# Gazette

OFFICIAL BIENNIAL NEWSLETTER FOR THE MINNESOTA CHAPTER OF THE AMERICAN FISHERIES SOCIETY



Ice fishing house on Fishhook Lake, Park Rapids MN, Photo taken by Lorie Shaull, CC BY-SA 2.0

*“To waste, to destroy our natural resources, to skin and exhaust the land instead of using it so as to increase its usefulness, will result in undermining in the days of our children the very prosperity which we ought by right to hand down to them amplified and developed.” – Theodore Roosevelt*

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# President's Message

by Paul Glander, President, MNAFS

As I write this, I look out the window and see the first significant snow of the year. How happy I am to be retired and not have to fight traffic commuting to a job across the metro area! While enjoying my first summer of retirement, I did think back on my education and early days of involvement with AFS. Along with those memories, I wondered how well our Chapter benefits students and young professionals. Some of this pondering was triggered by my conversations in the past year with several professors from Minnesota Colleges and Universities about the financial difficulty some students have (especially students from nontraditional or diverse backgrounds), which prevents them from attending our annual Chapter meeting.

The Chapter does offer a lower meeting registration fee for students, but, it is still a significant expense when combined with travel, lodging, and meals. A few schools financially support student attendance at our annual meeting. However, most students don't get institutional support, especially students from the public and private schools in the metro area.

There are a variety of travel grants available through AFS (a few of which are highlighted in this newsletter), which assist students with travel to the Midwest Fish & Wildlife Conference or even the AFS governing board meeting. The Society's Hutton Program funds internships for high school students interested in the profession, emphasizing unrepresented groups (i.e., minority and female students). The Chapter and the New Ulm area sportfishing groups fund an annual scholarship(s), which benefits a couple of students each year and brings them to our annual meeting.

It seems that something else is needed to aid students financially and increase attendance at our annual Chapter meeting. Our meeting is generally much more affordable and closer to home so it should be easier for students to get there as opposed to traveling out of state to the Midwest or national AFS meetings. Personally, I think the Chapter should try to find a way to annually fund several small (\$200 perhaps?) travel grants to deserving students who would otherwise be unable to afford our annual meeting. I believe that other Chapters have such grant programs.

Paying our \$10 annual Chapter dues (free for students) makes you a member of the Minnesota Chapter of AFS. Our Chapter rules establish an associate membership category for individuals who are not members of the Parent Society. Membership in the national American Fisheries Society (AKA the "Society" or "Parent Society") comes only if you also pay their dues which range from \$25 annually for students to \$95 for professionals. Only Parent Society



*President Glander enjoying the retirement life on South Lindstrom Lake, Photo provided by Paul Glander.*

members get the monthly Fisheries magazine, get FREE online access to AFS Journals and can serve in Chapter, Division, Section or national AFS leadership roles. See the article farther in this newsletter for more information on this topic and a link to the Parent Society membership web site.

I'll get off my soapbox now...

If you haven't looked at it recently, you should check out the new Chapter web site (<https://units.fisheries.org/mnafsf/>). Hanna Kruckman (USFWS) and her communications committee members continue to populate the site. Kudos also goes out to Brian Borkholder (Fond du Lac Band) for tracking down, and scanning, a plethora of historic documents, which are now on the new Chapter web site (under the news/newsletter tab).

As detailed in this newsletter, our 2019 annual meeting will be a joint meeting with the Dakota Chapter at the Fargo Holiday Inn, February 25 – 27, 2019. President elect Edie Everts and her team are working with Dakota Chapter folks to put on a great meeting. I hope to see you there. As always, we'll need many volunteers to pull it off. Please consider volunteering and/or sharing your latest and greatest fisheries work in a spoken or poster presentation.

It's been an honor serving as Chapter president this year.

DAKOTA AND MINNESOTA...YAAH SURE YOU BETCHA

## 2019 Meeting Update

by Edie Everts, President-Elect, MNAFS

Meeting Theme: **Fisheries in a Connected World.**

The 2019 annual meeting of the Minnesota Chapter of the American Fisheries Society will be a joint meeting with the Dakota Chapter on February 25 - 27 in Fargo, North Dakota.

This joint meeting will be an opportunity to hear about management programs, research, and issues from a regional perspective. As such, paper presentations of general fisheries interest are encouraged. The theme is intentionally broad to promote topics requiring both inter- and intra-state collaboration. Example topics include:

- Red River basin fisheries, river restoration and connectivity
- Trout fisheries (SE MN and Black Hills)



Fargo Theatre, Photo taken by jpellgen (@1179\_jp), CC BY-NC-ND 2.0

- Walleye/warm-water lake fisheries
- Non-game and rare fish
- Landscape-level fish habitat connections

**Presentations & Posters** - Please consider putting together a presentation or a poster for the meeting. Submissions can encompass the broad diversity within fisheries, but should benefit a range of audiences and aim to advance the science of fisheries ecology, conservation, and management.

- Abstract Submission: <https://units.fisheries.org/mnafs/>
- Abstracts must be submitted by January 25, 2019.
- Notification of accepted abstracts and program time slots will be sent by February 1, 2018.
- If you have any questions please contact Heidi Rantala ([heidi.rantala@state.mn.us](mailto:heidi.rantala@state.mn.us)) or Craig Kelling ([craig\\_kelling@fws.gov](mailto:craig_kelling@fws.gov)).

**Registration** - As in recent years, we strongly encourage early registration for the annual meeting through the Chapter web site (payment via PayPal).

- Registration: <https://units.fisheries.org/mnafs/>
- Professional registration will be \$110.00, single day registration \$85.00, student registration \$85.00
- The registration deadline is February 18, 2019. A \$20.00 late registration fee will be charged after that date.

**Lodging** - A block of rooms have been reserved at the Holiday Inn, Fargo, North Dakota <https://www.fargohi.com/>.

- The rate will be \$93 per night. Make sure to mention the Minnesota or Dakota Chapter American Fisheries Society to get the discounted room rate.
- The hotel indicated that they prefer we call them directly (701) 282-2700 to reserve rooms.
- The hotel will hold rooms for us through January 25, 2019.

**Volunteering** - As always, we will need paper and poster judges along with session moderators at the meeting. If you are interested in volunteering, please check the volunteer box on the registration form or contact Michelle Krecklau at [Michelle.Krecklau@state.mn.us](mailto:Michelle.Krecklau@state.mn.us)

**Elections** – Elections will be held for the following MN AFS Officer and Executive Committee positions:

- **Nominees:**
  - **2020 President (Non-DNR)**
    - **Craig Kelling**
  - **Federal Representative**
    - **Hanna Kruckman**

- **Academic Representative**
  - **Neal Mundahl**
  
- **Secretary/Treasurer**
  - **Calub Shavlik**

Voting will occur in advance of the meeting and announcement of the winners for each position will occur at the Annual Business Meeting. For more information, please contact our Nominations Committee Chair Patrick Schmalz ([patrick.schmalz@state.mn.us](mailto:patrick.schmalz@state.mn.us))

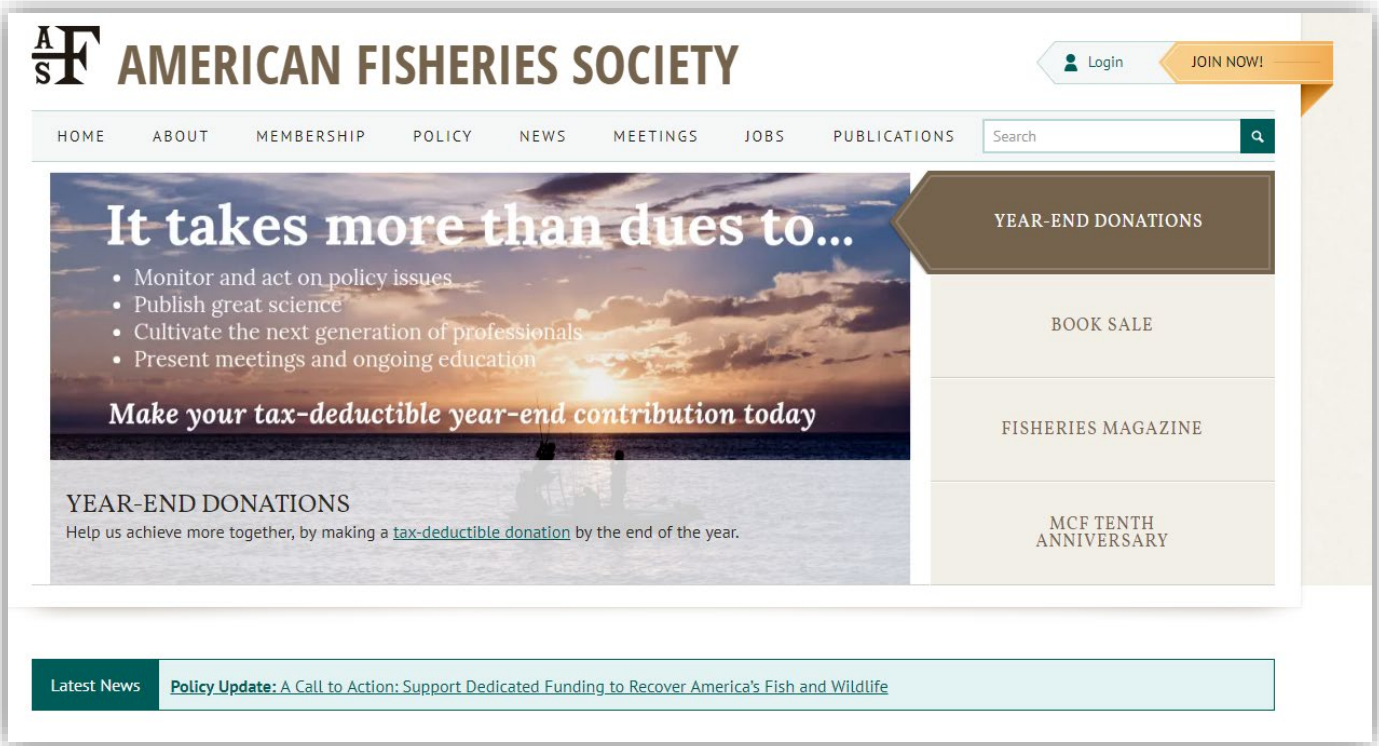
GETTING THE MOST OUT OF YOUR MEMBERSHIP DUES

# Chapter and Society Membership

*by Paul Glander, President, MNAFS*

There are differences between membership in AFS at the national level (the “Society”, also called the “Parent Society”) and its Units like the Minnesota Chapter as well as the Student Subunits.

Whereas the State chapters and other units work on a local level or single area of expertise, the Society encompasses everything and offers the greatest membership benefits. Only Society members receive [Fisheries magazine](#) each month, obtain FREE online access to the Society [journals](#), receive discounts on [AFS books](#) and [on Parent Society meeting registration](#), and more. You must be a Parent Society member to become [certified](#) or to hold a leadership post in any of the Chapters, Divisions, or Sections.



The cost of an annual individual membership in the Parent Society currently ranges from \$25 for students to \$95 for professionals. The Society recently established a \$50 annual young professional membership. There is also a life

membership option and an annual membership for retired individuals. Parent Society membership information can be found at <https://fisheries.org/membership/types-of-membership/>

Chapter membership is valuable in bringing together fisheries professionals from the same state, province, or other geographic region. Annual Chapter meetings convey great amounts of information directly relevant to many attendees because of the localized nature of the Chapter. There are currently 48 Chapters in AFS, including two bi-national chapters and the Mexico Chapter.

The Minnesota Chapter Procedures Manual contains an internal chapter rule, which establishes an Associates Membership for individuals “not belonging to the Parent Society but supporting the goals of the Chapter.” This Chapter rule also states “Associates shall not be elected to any Chapter office or at-large EXCOM seats, and Associates shall not vote or be elected as committee chairs.” Minnesota Chapter membership is free for students and \$10 annually for all others.

We have about 210 people in our records as current members of the Minnesota Chapter of whom about 120 are also members of the Parent Society. Thus, we have about 90 associate members. Many AFS Chapters do not have a “State Chapter only” membership like our associate membership. Those Chapters do not recognize individuals who are not members of the Parent Society.

Student Subunits are organized within Chapters and serve as a way for students to be involved within their institution and network with local fisheries and aquatic sciences professionals. In Minnesota, there are currently Student Subunits at Bemidji State University and the University of Minnesota campuses in the Twin Cities and Duluth.

Members of the Parent Society are automatically placed in a [Division](#) based on geographic location. Minnesota is in the North Central Division of AFS. The purpose of the Divisions is to facilitate communication among members in that geographic region, promote technical communications relevant to that geographic region, and represent that geographic region’s members in interactions with AFS and the public. Each Division contains many Chapters and Student Subunits.

In contrast to geographic-based units, AFS [Sections](#) are based on subject area interest and expertise. If you are interested in a specific topic, you can join the associated section to find colleagues that share those interests. Examples of AFS Sections include the Fisheries Management, Water Quality, Fish Culture, Fisheries Administration and Education Sections, among several others. You must be a Parent Society member to join a Section. Section membership may require an additional dues payment.

LAUNCHED!

## Revitalized AFS Communications

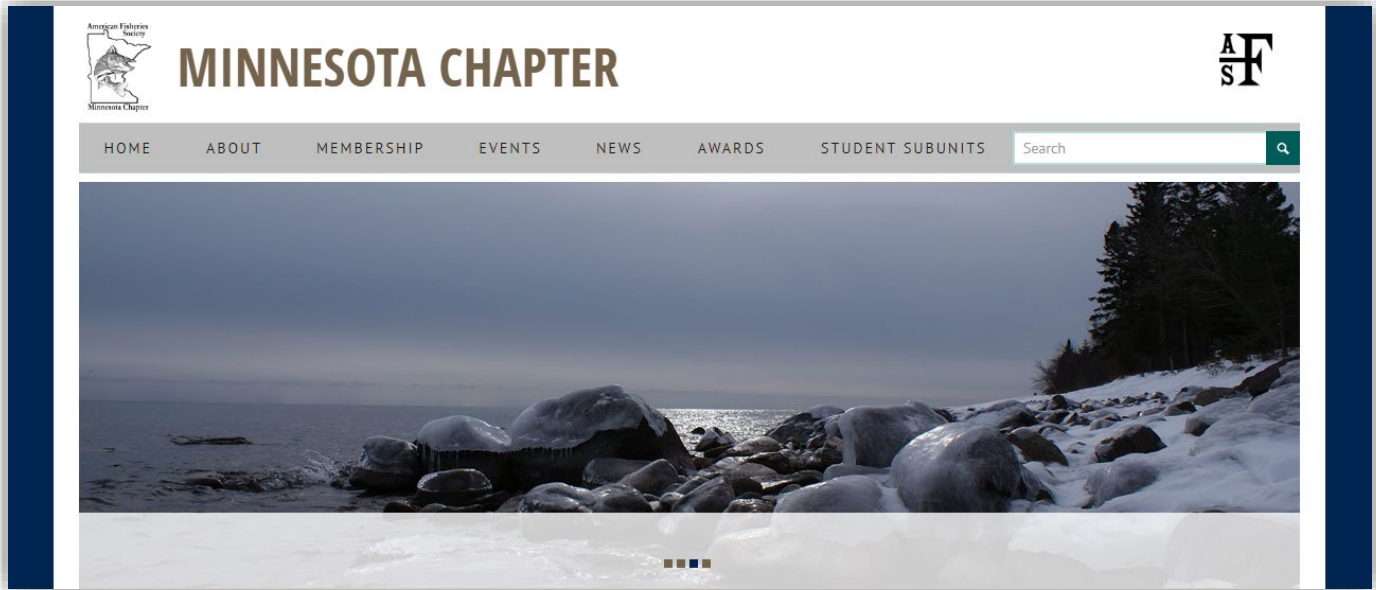
*By Hanna Kruckman, Communication Committee Chair, MNAFS*

Although it has been over a year in the making, the new MN AFS website is officially up and running. Prior to the 2018 MN AFS annual meeting, the EXCOM made a decision to establish a new website by purchasing a platform through the AFS Parent Society. The previous website had encountered some problems because of a lack of cyber security, which resulted in us having to use a temporary Google page. This temporary page also came with its own set of issues.

All of the trials and tribulations eventually lead us to the new website format and the improvements are easy to see.

- The new website offers a more user friendly and aesthetically pleasing format, increased security, and quick-response technical assistance from AFS Parent Society web managers.
- All registration and application materials/forms are housed in one location.

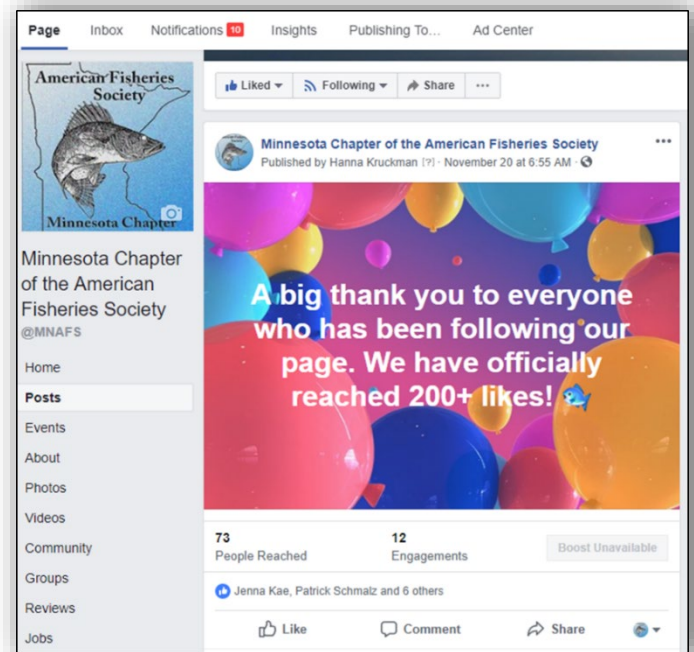
- Students can submit applications online for awards such as the Joan Duffy Student Travel Award.
- Members and non-members can pay their annual dues at any time by submitting our online membership form.
- Annual MN AFS Meeting information, including logistics and abstract and registration forms, are located under the Events tab.
- All forms that require fees/payments (annual dues and meeting registration) will have the user immediately and automatically redirected to PayPal upon submission.



Other website tabs have been mostly populated but are still a work in progress. We are looking to upload historical information, committee updates, and other resources relevant to our members. Take a look and check out our progress! You can find the MN AFS website at <https://units.fisheries.org/mnafs/>.

Our social media presence has also increased since the 2018 MN AFS annual meeting. The MN AFS Facebook page is making one to several posts per week and has officially reached 200+ likes! We are sharing information about MN AFS and AFS Parent Society news, conference and meeting registration, relevant webinars and registration, student scholarships, job postings, fisheries news, scientific findings, and of course the occasional fish photo. We are happy to share and highlight the great work of all of members so feel free to share a post on our page. Find us on Facebook at Minnesota Chapter of the American Fisheries Society (<https://www.facebook.com/MNAFS/>).

If anyone has photos they would like to showcase on the website homepage that represent Minnesota fisheries and the work of MN AFS members, please feel free to submit photos and suggestions to the Communication Committee Chair. We are particularly



looking for pictures of fish, especially those that are not posed on rocks. Also, please feel free to suggest or provide content for the website and our Facebook page.

If any EXCOM or Committee Chairs have information they would like uploaded regarding their roles or committees, send us an email containing the content you would like added.

Communication Committee Chair contact: Hanna Kruckman, [hkruckman@gmail.com](mailto:hkruckman@gmail.com)

## SUB-UNIT HAPPENINGS

# Student Sub-Unit Updates

by Benjamin Erb, President, Bemidji State University, AFS Student Sub-unit

The Bemidji State AFS sub-unit has been taking part in many activities during our fall semester. We started our fall by introducing the new officers for the 2018/2019 school year, as well as traveling to the North Shore of Lake Superior to collect Pink Salmon for our Ichthyology collection. Our sub-unit also aided the Bemidji DNR in PIT tagging fingerling Muskellunge that were to be used for stocking. In October, we electrofished the Turtle River to assess the species diversity that can be found there. This was a great opportunity for our new members to get in the field and become familiar with common sampling gear, as well as gain experience in fish identification. As fall progressed, the Lake Whitefish began their annual spawning run in the Upper Mississippi River where our sub-unit attempted to seine them for Bemidji State's Ichthyology class. Now with the lakes around Bemidji freshly capped with ice, our focus shifts to winter. At our last meeting, we discussed our annual Perch Tournament that is held on Lake Bemidji. We are looking forward to the activities and opportunities that the coming seasons will bring!



Photo provided by Benjamin Erb.

**University of Minnesota – Twin Cities: No update at this time**

**University of Minnesota – Duluth: No update at this time**

## FISHERIES BIOLOGIST...SO MUCH MORE THAN SQUEEZING FISH

# Member Spotlight

by Craig Kelling, Federal Representative/Newsletter Editor, MNAFS

This issue's member spotlight: Ann Schneider Fish and Wildlife Biologist, Wildlife and Sportfish Restoration Program, U.S. Fish and Wildlife Service.



### **Tell me how you first got involved with fisheries?**

I grew up cane-pole fishing, swimming, and snorkeling on a lake in northern Indiana. Around my freshman year of High School, I discovered freshwater jellyfish in the lake, which resulted in loads of extra credit in my biology class. I found the whole experience fascinating and decided, then and there, that I would pursue some type of career working with the aquatic environment. At first, I was leaning towards working with aquatic invertebrates, but eventually transitioned to fisheries.

### **What is your current role in fisheries conservation?**

For the last 26 years, I have been a Fish and Wildlife Biologist with the USFWS Wildlife and Sport Fish Restoration Program based out of Bloomington, MN. I work with State Fish and Wildlife Agencies to protect, and enhance fish, wildlife, their habitats, and the hunting, sport fishing and recreational boating opportunities they provide. My primary duty is to provide oversight and/or administrative support for the Sportfish Restoration and Wildlife Restoration Grant programs. The purpose of these programs is to provide permanent and indefinite appropriations of funds to State Fish and Wildlife Agencies to conduct conservation activities including fish management and research, fish propagation and stocking, fish and wildlife habitat development and maintenance, boating and fishing access development and maintenance, and aquatic education. I currently work with the states of Minnesota, Illinois, Missouri, Ohio, and Wisconsin.

### **How do you think fisheries conservation will change in the next 10 years?**

Climate change will only continue to become more relevant and management agencies will be tasked with bringing the polarized issue to the forefront to ensure the conservation of our fisheries and aquatic resources. Additionally, recruitment and retention activities will become more important as declines in fishing participation, access, and license sales threaten the way we fund conservation.

### **What is a favorite memory from your fieldwork?**

I have worked primarily in an office environment for many years. Unless I am lucky enough to get out in the field to monitor the grants I administer, my current fieldwork is limited. However, prior to my current position, I was a District Fish Management Biologist with the Indiana DNR for eight years. Some of my fondest memories of fieldwork include nighttime electrofishing for walleye in the fall, collecting walleye broodstock in the spring, and collecting fish for the Indiana State Fair.

### **What advice would you give to young fisheries professionals?**

Most (if not all) of us go into this line of work because we enjoy fishing and working outside. Keep in mind that a lot of fisheries work includes long days in the office - writing, communicating, providing technical assistance, crunching data, etc. Field-related classes, training, and work are obviously important, but remember to put some



*Photo provided by Ann Schneider USFWS.*

time into developing writing and communication skills. This will boost your abilities as a biologist and likely boost your resume as well. Most importantly - Have fun!

## DEVELOPING FUTURE LEADERS OF THE SOCIETY

# AFS Opportunity Board

*by Paul Glander, President, MNAFS*

### [HUTTON JUNIOR FISHERIES BIOLOGY PROGRAM](#)

The Hutton Junior Fisheries Biology Program is a paid summer internship and mentoring program for high school juniors and seniors, sponsored by AFS. The mission of the Hutton Program is to stimulate career interest in fisheries science among young people from underrepresented groups. Each student selected to the program is matched with and mentored by a fisheries professional while getting hands-on experience in a marine or freshwater setting. Those who successfully complete the program receive a \$4,000 scholarship as well as valuable work experience in an exciting and rewarding field.

Because the principle goal of the Hutton Program is to diversify fisheries professions, minorities and females are strongly encouraged to apply. Since the program began in 2001, participants have included 362 minority scholars and 383 female scholars. In a 2011 survey, 89% of the Hutton Program alumni reported working in fisheries, biology, environmental or other sciences.

Established fisheries professionals can support the program financially or by acting as mentors. Annually, applications for Hutton Scholar spots are nearly ten times the number available. As the program has grown, so has the need for funding.

For more information, please visit <http://Hutton.fisheries.org/>

### [AFS EMERGING LEADER MENTORSHIP AWARD PROGRAM](#)

The American Fisheries Society requests applications for the Emerging Leader Mentorship Award (ELMA) Program. The purpose of the ELMA Program is to develop future leaders of the Society, and the fisheries profession as a whole, by providing selected candidates an opportunity to participate for one year in activities of the Society Governing Board. Participants in the Program are selected based on their level of involvement in AFS, as well as their potential for assuming leadership of Society units in the future.

A candidate must be a Society member in good standing and an application must be endorsed by an AFS member in good standing (preferably a member who has held or is holding a leadership position in AFS). The application package must include a: (1) a personal statement prepared by the candidate that explains why s/he wants to participate in the Program (not to exceed one page); (2) a curriculum vita if the applicant is a student; (3) at least one letter of support from AFS member in good standing (preferably a member who has held or is holding a leadership position in AFS), and (4) a letter from a current Governing Board member willing to serve as a mentor.

Candidates selected must attend the Management Committee meeting, Governing Board meeting, and the Governing Board retreat, and the AFS leadership training session(s), all of which are scheduled during the 3 day period immediately preceding the annual meeting; attend as many other sessions as possible at the annual meeting associated with the Governing Board (e.g., Incoming Governing Board Breakfast) and other meetings (e.g., Journal Editors meeting, Fisheries Science Editor breakfast) with their assigned mentor when possible; participate in monthly Conference calls of the Management Committee, as time allows; and prepare a report to the Governing Board prior to the mid-year meeting that summarizes her/his experience in the ELMA Program during the past year and provide recommendations for improving the Program. For additional information about the Program and

requirements, please see the AFS ELMA Program Procedures for Application and Selection of Candidates in the AFS Policy and Procedure Manual.

Due to limited funds to support this program (\$500 per awardee to cover costs of attending AFS governance meetings immediately preceding the annual meeting), applicants should be those that already intend to attend the annual AFS meeting. Applicants should inform their Division President with their intent to submit an application, submit their application directly to the ELMA Program Chair (Jim Bowker at jim3180bowker@gmail.com), and cc: their Division President. Division officers are encouraged to contact AFS Units in which the applicant is a member to seek matching funds to further support the applicant.

Applications must be received by April 1 of each year.

## WHAT'S NEXT?

# Upcoming Events

by Craig Kelling, Federal Representative/Newsletter Editor, MNAFS



The **79th Midwest Fish & Wildlife Conference** will be held January 27-30, 2019 at the Hilton Cleveland Downtown Hotel in Cleveland, Ohio. The theme of the meeting is "**Communicating Science to Fan the Flames of Conservation.**"

This annual event will attract nearly 800 biologists, students, and scientists from local, state and provincial, federal, and tribal natural resources agencies, universities, and private companies across the 12 Midwestern states and provinces. Highlights include: nearly 400 technical presentations, poster displays, plenary sessions, networking opportunities and social events.

[Join our mailing list](#) to receive email updates as information becomes available!

**Attendee Registration Now Open.** View pricing and options [here](#). Sign up early and save!

**Technical Schedule Now Available to Review.** Thank you to everyone who submitted a presentation abstract to be considered for the 79th Midwest Fish & Wildlife Conference. The technical schedule is now available to review online. [Review the schedule](#) and learn how to build your own agenda by creating a free Sched account!

**Special Symposia Announced.** Sixteen special symposia will be included as part of the technical program. [Read overviews here.](#)

**Sponsor & Exhibitor Registration is Open.** The Midwest Fish & Wildlife Conference invites you to participate in their 79th Conference as a sponsor or exhibitor! [Learn more.](#)



A Conference Not to be Missed!

Experience AFS and TWS Live in 2019...

In 2019, The Wildlife Society and American Fisheries Society will come together for the first-ever joint national conference of these two organizations. The event will likely be the largest gathering of fish and wildlife professionals ever, and will provide unprecedented opportunities for science-sharing and potential collaboration. Individually, these organizations’ conferences ensure your staff stay knowledgeable and up to date on the latest science and management techniques, but combined this can’t-miss event opens doors for the future of the natural resources professions. Join us in Reno for an unforgettable experience, and be a part of this historic event.



The next World Fisheries Congress is only two years away. Adelaide, Australia, will host the premier international fisheries conference in 2020 bringing together research, industry, management and the latest technological advances in fisheries worldwide under the theme ‘**Sharing our oceans and rivers – a vision for the world’s fisheries**’. Aiming to foster cooperation and engagement in commercial, recreational and indigenous fisheries, the World Fisheries Congress 2020 (WFC2020) will provide insightful presentations and inspiring forums on key developments needed to ensure future sustainable development of the world’s oceans, lakes, estuaries and rivers.

Organizers of this major event are now seeking expressions of interest to lead innovative sessions, symposia, and education and training workshops. Chair WFC2020 Gavin Begg, who is also the Research Director of Aquatic

Sciences at the South Australian Research and Development Institute (SARDI), said excitement for the congress was building.

“We’re thrilled to have so many world leaders in fisheries science, management and industry converge in Australia at the same time,” he said. “We are currently seeking expressions of interest for key components of the program, so if you have a key topic or theme you’d like to lead, get in now and register it. The program is shaping up to be very comprehensive, with something for every delegate to take away and learn from.”

Help set the future directions for the world’s fisheries and lead in these critical discussions by emailing your ideas or suggestions to [conference@aomevents.com](mailto:conference@aomevents.com) by 31 January 2019 (extended deadline).

Sponsors and exhibitors won’t want to miss out either. Showcase your business on the world fisheries stage by sponsoring or exhibiting at WFC2020. With more than 1500 attendees; multiple networking events; maximum opportunity to engage with major purchasers of scientific, fishing and aquaculture equipment; and dedicated media coverage this event is much anticipated across the globe.

**Minnesota Chapter Executive Committee**

**President:** Paul Glander, U.S. Fish and Wildlife Service, Bloomington

**President - Elect:** Edie Evarts, MN DNR Fisheries, Tower

**Past President:** Patrick Schmalz, MN DNR Fisheries, Duluth

**Secretary-Treasurer:** Calub Shavlik, MN DNR Fisheries, Park Rapids

**Academic Representative:** Neal Mundahl, Winona State University, Winona

**Federal Representative:** Craig Kelling, U.S. Fish and Wildlife Service, Bloomington

**State Representative:** Kristan Maccaroni, MN DNR Fisheries, West Metro

**Open Representative:** Jay Hatch, University of Minnesota Emeritus, Twin Cities



*2018 Executive Committee (left to right) Back Row: Patrick Schmalz, Jay Hatch. Front Row: Craig Kelling, Kristan Maccaroni, Calub Shavlik, Edie Evarts, Paul Glander. Not Pictured: Neal Mundahl. Photo by Brian Borkholder.*

**Minnesota Chapter Committee Chairs**

**Arrangements:** Mandy Erickson, MN DNR Fisheries, Detroit Lakes

**Awards:** Keith Reeves, MN DNR Fisheries, Duluth

**Communications:** Hanna Kruckman, U.S. Fish and Wildlife Service, Bloomington

**Issues:** Joel Hoffman, U.S. Environmental Protection Agency, Duluth

**Membership:** Joel Hoffman, U.S. Environmental Protection Agency, Duluth

**Nominations:** Patrick Schmalz, MN DNR Fisheries, Duluth

**Resolutions:** Brian Nerbonne, MN DNR Fisheries, St. Paul

**Students:** Erin Schaeffer, University of Minnesota, Twin Cities

**Fund-Raising:** Jon Hansen, MN DNR Central Office, St. Paul

**History:** Brian Borkholder, Fond du Lac Resource Management, Cloquet

**Scholarships:** Jay Hatch and Mark Hove, University of Minnesota, Twin Cities

**Science Fair:** Mark Hove, University of Minnesota, Twin Cities

**Meeting Program:** Heidi Rantala, MN DNR Fisheries, Duluth

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