

The Education Section of the American Fisheries Society Newsletter

Winter Edition

Volume 41: Issue 1

IN THIS ISSUE

- Annual Business Meeting Minutes → 3
- Student & Early Career Professionals Subsection → 7
- Upcoming Webinar → 9
- Student News → 10
- Upcoming Symposia/Workshop → 15



Dan Weaver as the Northcentral and Northeastern Division Representatives, respectively. I also wanted to welcome the new President-Elect, Melissa Wuellner, and our new Southern Division Representative Jon Spurgeon, Western Division Representative Andy Seitz, and Student Subsection President Heather Stewart. Collectively, this group will serve as the Education Section Executive Committee for this year.

Presidents Line

Greetings from the Great White North! I hope that the new decade has gotten off to a great start for you, and that you had a wonderful holiday season with family and friends. As I write my first President's Line, it is a balmy -40°F here in Fairbanks, Alaska. My hope for you is that it is a tad bit warmer wherever you may be. Daylight is increasing daily (we gained 4 minutes and 45 seconds of light today alone!), and it will not be long before the snow begins to melt and it starts getting greener. Well, ok, maybe for you, it will still be a while before spring shows its face to me.

As your new Education Section President, I first wanted to recognize Mark Fintel, the immediate Past President, for his time and contributions to the section. Mark served a three-year term as President, which is atypical for our section. The last two years in which Mark was President were what he was elected to serve; however, there was an additional year before his term officially started when his predecessor left the position early. So thank you, Mark, for stepping up during a time of need. I also wanted to thank Marty Hamel for his continued service as Secretary-Treasurer as well as Jeff Jolley and



One of my goals as the Education Section President is to provide opportunities for our membership to get involved in section business and activities. As of this writing, I have contacted all of our section committee chairs to verify that they plan to continue on in those roles and to see if they need co-chairs and/or additional members to round out their committees. Once I complete the compilation of those needs, I will communicate that to the membership so that we can fill those positions. In the meantime, do not hesitate to contact me if you are interested in getting involved with the Education Section. I know that several students have contacted Student Subsection President Heather Stewart expressing their interest to get involved and we are working to get those individuals placed on section committees. Before I move on to my last paragraph, I do want to thank all of the committee chairs, co-chairs, and members, past and present, for your contributions to the Education Section.

As many of you know, this year will mark the 150th anniversary of the founding of the American Fisheries Society (AFS). If you have not visited the AFS website recently, there is a pretty neat link (<https://150years.fisheries.org/>) that features an interactive timeline, member stories and photos, and an opportunity to nominate a fish for the AFS 150 Fish list which is a celebration of the biodiversity of freshwater and marine fishes of North America. As part of this year-long celebration will be the 150th Annual Meeting of the American Fisheries Society, which will be held in Columbus, Ohio, from August 30 through September 03. Hopefully you can attend the meeting and, if not, there will be plenty of opportunities throughout the year to partake in the celebration through the website as well as other activities. I will be sure to share with all of you the role that the Education Section will play as part of the festivities and during the meeting once we have formalized that in the coming months. In the meantime, here is to hoping that groundhogs (and, in my case, marmots) throughout North America do not see their shadow this February 02.

Best Wishes,

Trent Sutton

tmsutton@alaska.edu

Annual Business Meeting Minutes

September 19, 2019; Reno, NV (4:30-6:30pm)

Atlantis Hotel, Room: Atlantis/EmeraldB/C

- Mark Fincel called the meeting to order at 4:39 p.m. and determined that a quorum was met.
- Mark Fincel introduced previous presidents of the Education Section
- No requests were made to change the agenda or meeting minutes from the 2018 business meeting.
- Marty Hamel provided a treasurer's report. There were \$186,147.67 in total income from August 1, 2018 to August 29, 2019, and \$134,933.07 in total expenses. The balance for the checking account is \$51,214.60; the savings account is \$501.16; the Wells Fargo investment account is \$103,151.13; and the AFS Investment account is \$23,642
- Committee Reports:
 - o Newsletter: Seth Fopma indicated that he was still looking for a co-editor of the newsletter.
 - o Web Page: Kayla Key (not present) is still working on revamping the website
 - o Excellence in Fisheries Education Award: Trent Sutton gave a brief description of the award. Trent will be stepping down from the chair of this committee to assume responsibilities as president of the section. There is an opportunity for help as his former position, along with a student representative and representatives from the North-Central and Southern division. For this years award, there were 9 nominees. The winner of this years award was Dan Hayes from Michigan State University.
 - o Skinner Award: Larissa thanked the committee for all their work and presented the winner. She said that there were 58 applicants from 36 different universities. All of the award recipients and runner-ups were recognized.
 - o Best Student Paper/Poster: Trent Sutton acknowledged the co-chairs and then provided a recap on last years meeting from Atlantic City. For the Reno meeting, there were only 7 student paper presenters and 2 student poster submissions. Potential changes for BSP will be discussed later during new business. The judges luncheon is on Tuesday and the winners of the awards will be announced at the business meeting.
 - o Early Career Professional Awardees: Dan Weaver and Erin Peterson explained the tasks charged with the committee. They indicated that there were 24 submissions for the ECP award and there were 3 winners: Kyle Bales, Adeline Dutton, and Augustine Engman
 - o Membership & Early Career Professional Committee: Dan Weaver and Erin Peterson provided an update
 - o Undergraduate Travel Award: Lisa Izzo acknowledged the four winners
 - o Nominating committee: Not present/no update
 - o Experiential Learning committee: Not present/no update
 - o Education Section Webinar series: Andrew Carlson provided an update. The committee created a survey to see what people were interested in for webinars. They are planning another webinar in early 2020 focused on diversity (in response to the survey).

- AFS Student Writing: Mark Fincel gave the update. He said there were 5 or 6 applicants. The division reps judged the applicants and the winners will be announced at the business meeting.
- Additional Reports:
 - Student Subsection: Lisa Izzo said that the subsection hosted a symposium in Atlantic City that was geared toward student sub-units and this information was used to create a webinar for AFS. This year, there were over 20 applicants for the undergrad travel award. May look at additional ways to award more undergrads. Hosting another symposium in Reno that is an all-day symposium on Monday.
- Out-going division representatives and officers
 - Mark Fincel reported that two division reps were leaving and the nominating committee replaced those two vacant positions. Mark also introduced the new president-elect, Melissa Wuellner.
- President Comments and new Division Representatives Installment
 - Trent Sutton thanked Mark for his service. Trent talked about the new committee replacements and welcomed them.
 - President comments: There is a lot of turnover in committees, so he is encouraging everyone to get involved with Education Section.
 - Trent also mentioned that we will be looking at more strategic ways to invest our money. For example, Melissa and Trent have already discussed providing funding for the BSP finalists to get them to the meeting.
- Funding Requests
 - a) Steve Midway – Book Funding for Methods for Fish Biology, 2nd edition. Steve needs \$15k to publish and the Education Section would gain 50% of royalties for fully funding or 25% of royalties for partially funding.
 - Steve wants the money for book production costs. He is really hoping for a book that will be as useful as the first edition. Wants to stick with similarities to the first book – update the out-of-date methods and be inclusive in authorship for the various chapters. Steve introduced the authors for each of the different sections. The book timeline has started in 2017 and copy edits are in process; hopefully the book will be in production in 2020.
 - Jason Vokoun asked about pdf options
 - Tom Kwak asked about having its own DOI number
 - Joe McGraf made a motion to dedicate up to \$30,000 to get it funded. Seconded by Chuck Scalet
 - Discussion:
 - Jason Vokoun voiced concerns about going with the full amount. Jason said there is extraordinary efforts to circumvent the costs in higher education. He is skeptical that these AFS books will sell as well as they did in the past. He thought we should go in for the lower royalties amount.
 - Melissa W. said that book sales as a whole are declining, but the textbooks are holding fairly steady.
 - Joe McGraf asked who would cover the costs if the Ed. Section doesn't cover it.

- Dan Hayes said we need to look at ROI.
 - Christine Moffitt said that this book has greater impact outside of fisheries than any other book. It is a long-term seller and feels it is time for the Ed. Section to fund the second edition.
 - Rebecca Krogman said the the ROI could be greater with an e-reader option. Wants to know what the breakdown of costs are. Steve didn't know the answer, but Melissa said there isn't a mechanism for an e-reader and it will be much further in the future before that happens.
 - Craig Paukert asked to have input from the younger generation.
 - Tom Kwak asked about how much money we had.
 - Jesse Fisher said that this would be part of the Education Section's mission and that it is a no-brainer that we should fund it.
 - Heather said that she supports it, and as a student, she says that having an option to make it electronic would make it sell better. Also, having better cover art would make it sell better.
 - Brandon Peoples asked about individual chapters with the DOI options
 - Motion from : Motion passed as stated.
- b) Jim Lamers – Sponsorship for Catfish 2020. The meeting planners are requesting \$2,500 for additional funding to match last years \$2,500 in support of the Catfish 2020 meeting.
- Tom Kwak spoke for Jim. He talked about the conference in 2020 in conjunction with the Southern Division. He is asking for the same donation that was given last year. The funds will support a reduced registration for students. Instead of publishing another book, the proceedings will be published in a special issue of the NAJFM. After the submission deadline, there were 76 oral and 20 posters presentations submitted.
 - Motion from Craig Paukert to support the \$2500
 - Jason Vokoun seconded
 - No discussion
 - Motion carried unanimously to donate \$2,500 for Catfish 2020
- c) Mary Webb Banning – Hutton donation – seeking \$2,500 to support the Hutton Program
- Christine Moffitt reported for Mary. The Hutton program helps to get high school students engaged in fisheries. It is a 10 week program in the summer that is paid (\$4,000). Last year they requested money, but it was too late. They are asking for \$2,500 for this year. Some of the Hutton Program funding comes from AFS and the divisions, but the bulk of the funding has come from NOAA, BLM, and the Forest Service. They are trying to get the chapters to help with the Hutton program.
 - Motion from Tom Kwak to support for \$2,500
 - Kyle Hartman seconded the motion
 - Discussion: There is a committee in the Governing Board looking at how to make the program better by following up with the students – trying to keep them engaged.
 - Motion carried

- d) FSBI Fellows Exchange Program – Julie Claussen is seeking \$2,500 to support the exchange program. She would like to discuss the permanence of the Ed. Section funding the program
- Julie was not present. Mark Fincel started talking about the FSBI program and what it was. It chimed in and spoke on the importance of the program.
 - Discussion- Joe Margraf asked if it was a reciprocal arrangement.
 - Motion: Jason Vokoun asked to make a motion to fund for one year (2020) at \$2,500
 - Joe Margraf seconded
 - Discussion: Craig said that making it a line item creates challenges and a precedence for other requests to do the same thing.
 - Motion carried to donate \$2,500 to the FSBI program in 2020.

- Other Business

- Tim Birdsong – Last year we invested in the watershed book. Tim gave an overview of the book. He showed the book and said thank you for the support. The book will be at the AFS bookstore.
- a) Group discussion – input wanted on business meeting time and location
- a. Business meeting overlap with several sections/socials
 - i. Propose Day/Time change for meeting?
 - Mark Fincel said that anecdotally, attendance has been decreasing.
 - Joe Margraf said this is the premiere time slot and that we shouldn't give it up.
 - Craig Paukert agreed and thinks there will never be a good time. Maybe it could be better aligned with the student sub-section meeting.
 - Lisa Izzo said that if it runs into the grand social, it creates problems, especially if the social and the meeting are in different buildings.
 - ii. Possibly follow student subsection meeting on Tuesday afternoon.
 - Group consensus was made to keep the meeting time the same on Sunday of the conference
 - b. BSP applicants on steady decline – Discuss future of the award
 - i. Other presentation competitions at national meeting (W. Div., other sections)
 - ii. Keep in Education Section? Or refer to meeting program chair?
 - Trent Sutton gave the history of the BSP program.
 - Jason Vokoun said that we should dump the extended abstract and the poster submission should be for preliminary information. Need to come up with a prestigious award to showcase completed work – post-graduate people. Dan said we should do a survey to ask the students to see what they want.
 - The goal is to select the best student paper of the meeting, not just from a small subset.
 - The end resolution is that the BSP committee (in 2019/2010) will look for resolutions to resolve the low participation this past year in Reno.
- b) Brian Murphy came to talk to the section. Brian wanted to talk about DJ funds that were for multi-state projects. Four projects were awarded this year. Brian talked about membership categories (4 categories – now including a low-income country categories). Now

introducing a new category of high school. The new category will be \$10 and members will have the opportunity to sponsor those people.

- TIA alliance. Trout Unlimited, Izaak Walton League, and AFS all work together to engage high schools in conservation. Still looking for ways to connect high schoolers into AFS. Looking at mentorship opportunities to get in the field, interact with grad students. AFS is looking for ideas and Scott Bonar is going to appoint a special committee to address these issues.

- Adjournment

- o Mark Fincel motioned to adjourn
- o Mark Kaemingk seconded
- o Meeting adjourned



STUDENT & EARLY CAREER PROFESSIONALS
SUBSECTION OF THE EDUCATION SECTION
OF THE AMERICAN FISHERIES SOCIETY

Student & Early Career Professionals Subsection Update

By: Heather Stewart

President, Student & Early Career Professionals Subsection of the Education Section

We started out our year strong with the 2019 Annual Meeting in Reno, Nevada, the first ever joint AFS/TWS meeting! Having so many great minds in one place we wanted to take advantage of learning from one another, so our Subsection led the symposium “*Casting a Wider Net: Increasing Stakeholder Communication and Collaboration as an Early Career Scientist*”. Our symposium highlighted the current efforts and challenges in building fruitful collaborative research, management, and outreach initiatives by students and early career professionals in both societies. AFS Past President Steven McMullin gave an inspirational Keynote Presentation and following the symposium we had a meet and greet for our speakers to discuss ideas with each other.

For the 150th Anniversary Annual Meeting in Columbus, Ohio our Subsection is holding a workshop titled “*Preparing future scientists of fisheries: how to become a more a-lure-ing candidate*” on Sunday, August 30th from 9 am to 4 pm. This workshop is meant to develop some of the skills that students and early career professionals have identified as lacking in traditional curriculums so that we can better prepare our members for a career in fisheries. The workshop will be divided into three categories: Academia, Federal/government, and Private sector career paths. Under each category, a professional or two from that field will go over what should be included in a CV for that type of job, how to prepare, and teach some skills that are useful. Attendees of the workshop are

welcome to come for the entire day or participate in the sections that are most applicable to them. In addition to the presentations, we will be offering CV critiques, mock interviews, and exercises to practice/develop presentation skills throughout the day. We are encouraging everyone from high school to PhD students to early career professionals to attend. At the end of the workshop we will evaluate its success through participant surveys to help our subsection identify which skills or topics we should focus on in the future to best serve our members and the society.

This year our focus has been on engagement of our members with the rest of the society and increasing member retention. In addition to the Annual Meeting workshop, we will be hosting a booth highlighting the activities of our student subunits from the past and present. We are also, for the first time, hosting an officers social at the Annual Meeting to encourage student subunits to send more representatives to the meeting and to increase interactions of student subunits from across different divisions. At this meeting we hope that officers will express challenges they have faced and seek advice from one another.

We have started a new committee which is made up of students (undergraduate and graduate) and early career professionals to assist the Hutton Oversight Committee and work to transition Hutton scholars into full members of the Society. Our website has had a huge makeover and is much more user-friendly, filled with important information, and has up-to-date information on awards, as well as monthly member spotlights. You can subscribe to news from our website at <https://students.fisheries.org/> and our Twitter account (@AFS_Students) has been extremely active and worth following! We have also been closely working with the Education Section to create and send out a survey on perceptions of the Best Student Poster/Presentation Symposium to identify how we can increase participation. The 2020 Undergraduate Travel Assistance Award, which provides \$500 to four undergraduates to attend the annual meeting is now accepting applications. We are thankful to have such an incredible team this year both on the Executive Committee and on all our Subcommittees (website, science communication, Hutton Program, etc). If you have any suggestions or comments for the Subsection, please reach out at or contact me personally at hadar.stewart@gmail.com.



AMERICAN FISHERIES SOCIETY

150th Annual Meeting

COLUMBUS, OHIO, AUG 30 - SEPT 3, 2020

Upcoming Webinar

AFS is excited to announce an upcoming webinar. The webinar is “Creating a Movement to Save Migratory Fish from Local to Global” and is to be held on Tuesday, March 24, 2020 (11:00am-12:00pm Eastern) and will feature presenter Herman Wanningen, Founder and Creative Director at World Fish Migration Foundation (WFMF). Herman will discuss how ongoing river fragmentation and dam construction is severely threatening migratory fish and how WFMF is bringing global attention to the problems, solutions, and tools to preserve and open swimways.

If you have ideas or recommendations for future webinar topics or speakers, please do not hesitate to share them with the Ed Section webinar committee.

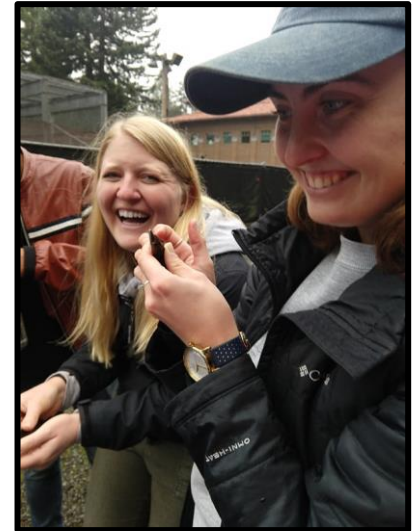
Herman Wanningen is founder and creative director of the World Fish Migration Foundation (WFMF). With a strong background in water management and aquatic ecology, he has developed a successful career in fish passage over the past 20 years. He is leading the efforts on developing fish migration visions and policies at a global scale. Herman facilitates and activates communication between the worldwide fish migration expert community, key-decision makers and policy makers. He gives advice on national and international fish passage and river connectivity projects such as the Fish Migration River project (The Netherlands), Dam Removal Europe and AMBER Horizon2020 project. This last project aims to map all barriers in European rivers and to provide management tools.

Herman is known on the international stage for developing the World Fish Migration Day (2014, 2016 and 2018), organizing international conferences and developing fish migration networks. In 2018 over 3000 local and regional organizations organized 570 events in 63 countries. Herman is coordinator and co-author of three international From Sea to Source books on fish migration. He has won an award for his management of the successful Fish Passage conference in 2015 in Groningen. He is manager of the World Fish Migration Day 2020 and recently became Fellow under the Mulago Fund Program.

Student News

2019 Western Division Student Colloquium – Arcata, CA

The Annual Western Division Student Colloquium was held November 7-10, 2019 in Arcata, CA. This year, the Humboldt State University sub-unit hosted the event. Attendees came from various universities in Alaska, California, Oregon, Idaho, and China. The workshop this year featured presenters from the Counseling and Psychological Services at HSU leading two workshops on life skills and stress-management. Students toured the research hatchery at Humboldt State and got a taste of the aquaculture projects happening locally. Students also toured two restoration and salmonid monitoring sites in the wetland tributaries of Humboldt Bay. Humboldt State University Professor Darren Ward and his graduate students Joshua Cahill and Madison Halloran lead the field tours, demonstrating their field techniques and discussing their research questions at their sites.



During the second day of the colloquium, students gave fifteen minute presentations on their research. We had a blend of fisheries research all along the West coast with a variety of species including salmonids and rockfish. Students hiked along the beaches of Trinidad harbor and attempted crabbing.

Interested in becoming involved with or hosting the 2020 student colloquium? Contact student representative Emily Chen (emily-chen@berkeley.edu)

Interested in becoming involved with or hosting the 2020 student colloquium? Contact student representative Emily Chen (emily-chen@berkeley.edu)



University of Maine Student Subunit Update

The University of Maine student subunit has enjoyed a fruitful winter thus far in which our members are staying active and staying warm! The subunit was well represented at the 2020 Atlantic Salmon Ecosystems Forum on the University of Maine campus where members contributed to 10 presentations about salmon and other diadromous fishes. With the support of the Maine Science Festival, we recently hosted our first ever “Fish Explorations” pop-up event at the Maine Discovery Museum in Bangor, ME. Club members engaged children and their parents in fisheries-related activities covering everything from fish printing to telemetry demonstrations. We are looking forward to a spring semester highlighted by an ice fishing excursion, visit to a local wastewater treatment center, and our annual “Women in Science” luncheon. Oh! And planning has already started for the 6th Annual Spawning Run 5K, our biggest event of the year! The Spawning Run is always a crowd favorite for its fishy t-shirts and friendly competition. In the meantime, we are staying busy with coursework, research commitments, and preparing for our fast approaching field seasons.

Stay in touch by following us on Facebook (@UMaineAFSStudent) or shooting us an email (umaineafs@gmail.com)



UMaine AFSers before our “Fish Explorations” pop-up event at the Maine Discovery Museum

University of Connecticut Student Subunit Update

This semester, the UConn student subunit has been working on getting valuable fisheries experience through professional development as well as networking with fisheries professionals involved with the local state agency (CT Department of Energy and Environmental Protection). In late October, we successfully held our first annual fishing derby! The subunit worked with the state fisheries biologists and hatcheries in order to stock two ponds on campus property with rainbow trout. In addition, the Connecticut Aquatic Resource Education program generously allowed us the use of fishing rods, tackle, and bait in an effort to get a wide range of anglers involved, from beginners to seasoned veterans.

Despite the poor weather, we held a very successful event in which a variety of species were caught and released, including largemouth bass, rainbow trout, bluegill sunfish, and pumpkinseed sunfish. Looking forward, we have been working with the CARE program again to plan an introduction to ice fishing event, consisting of a classroom portion along with a fishing trip. Our main objective by hosting these events is to bring the UConn fishing community together, in addition to reaching out to people with an interest in fishing and getting them out on the water for their first time. With declining fishing interest statewide, we hope our efforts combined with other R3 initiatives within the state can rekindle interest in fishing and recruit new patrons to the sport.



For more information on our past or upcoming events, email us at: afs.uconnchapter@gmail.com

Iowa State University Student Subunit Update

Spring Semester 2020 has been a particularly busy, and formative month for our subunit as an organization. Between the Statewide AFS meeting, bi-monthly scientific and professional guest speakers, as well as participating in campus-wide club events, our club has endeavored to give our members representation and experiences that will make them competitive and informed for a career and lifestyle in fisheries and aquatic sciences.

Our biggest event of the year has been hosting the AFS raffle and auction at the Statewide AFS meeting in order to raise funds for our club. For this meeting, our officers and members took off across Iowa to solicit local businesses from Clear Lake to Des Moines. Items raffled included donated fishing rods, lures, and homemade salsa, to original artwork done by AFS members. The subunit ended up raising a good chunk of change thanks to generous donations made by my fellow fish folk at the gathering in Moravia, Iowa.

This year, our meetings have been geared towards real careers in our field, in order to focus in on showing our members examples of paths they can take to follow their passions. Welcoming professionals to our bi-monthly meetings is a great way to open up Q&A sessions, and to facilitate discussion about what these careers entail. The people we invite to these meetings are the epitome of hardworking professionals; people who go the extra mile to protect the ecosystems and biota they care about, and have ambitions of informing and educating others about this field of expertise. People we have invited so far this year include, but are not limited to: Erica Place; from Story County Conservation, Tyler Stubbs; the IDNR Community Fisheries Specialist, and Jason Euchner; AIS Specialist for the IDNR in Boone.



It is important for the message of our organization, that we market ourselves as a sustainability club; which is why on top of community outreach such as volunteering to help the Ada Hayden trout stocking events, our subunit has attended Sustainapalooza, Clubfest, and National Sustainability Day at Iowa State. In order to expand our club's purpose to directly benefit our aquatic ecosystems and reach out to more students who care for them, our club must attend and represent ourselves professionally at these events. Through these inter-club gatherings, the AFS has picked up many new members this year.

Following the theme of sustainability and professionalism, our club intends to perform stream cleanups this semester, and draw from the knowledge of an experienced and skillful community to further our mission. We will continue to supplement our members with relevant skills, as well as facilitate the knowledge, and connections necessary to excel in a competitive field of conservation-minded professionals who seek to better our aquatic resources, and the world.

Sam Grinstead, Iowa State Student Subunit President

South Dakota State University Student Subunit Update

Two cookouts served as bookends, marking the end of the spring 2019 semester and the beginning of the 2019 fall semester at South Dakota State University. Both gatherings were attended well by present and future members of the American Fisheries Society student subunit. These events serve as great social events to usher in prospective students and bid fare-well and best wishes to students graduating to continue their careers. Good food was had and it was a great networking opportunity for all those involved.

Members have participated in a lot of fundraising opportunities for the subunit. Starting off with our annual chili feed in the spring where over 10 different chili's were entered. Following that was a cookout hosted by the Subunit at the annual Walleye Technical Committee meeting held in Webster, SD in mid-July. Then finally, members worked concessions at the second Jackrabbits football game in early September of this year.

We held a night of bass fishing in October and ice fishing in January at the Nature Park ponds in Brookings. We also hosted workshops for our members including resume/CV building and otolith aging techniques. In early November, a number of students went to assist GF&P with their annual salmon spawn at Whitlock Bay.

The subunit awarded four Sauger Scholarships this year to attend the 2020 Dakota Chapter meeting in Spearfish. Brandt Boekhout, Dalton Flahaven, McKenzie Hansen, and Spencer Kuiper were recipients of the scholarships. McKenzie Hansen presented a poster at the meeting, "Utilizing Habitat Variables to Predict Brown Trout Biomass in the Black Hills" and Cade Lyon presented a paper "Population Dynamics and Hooking Mortality of Walleye in Western South Dakota". Brandt Boekhout was also the recipient of the James C. Schmulbach Memorial Scholarship and Cade Lyon was the recipient of Robert A. Klumb Memorial Scholarship.

Soon, officer elections will be held offering a great opportunity for interested students to provide an environment to foster fisheries science learning.



Cade Lyon, South Dakota State University



STUDENT & EARLY CAREER PROFESSIONALS
SUBSECTION OF THE EDUCATION SECTION
OF THE AMERICAN FISHERIES SOCIETY

Attention Education Section Members,

The Student and Early Career Professionals Subsection would like to announce a workshop we will be hosting at the AFS 150th Annual Meeting in Ohio titled “Preparing future scientists of fisheries: how to become a more a-lure-ing candidate” on Sunday, August 30th from 9 am to 4 pm. This workshop is meant to develop some of the skills that students and early career professionals have identified as lacking in traditional curriculums so that we can better prepare our members for a career in fisheries. The workshop will be divided into three categories: Academia, Federal/government, and Private sector career paths. Under each category, a professional or two from that field will go over what should be included in a CV for that type of job, how to prepare, and teach some skills that are useful. Attendees of the workshop are welcome to come for the entire day or participate in the sections that are most applicable to them. In addition to the presentations, we will be offering CV critiques, mock interviews, and exercises to practice/develop presentation skills throughout the day. We encourage everyone from high school to PhD students to early career professionals to attend. At the end of the workshop we will evaluate its success through participant surveys to help our subsection identify which skills or topics we should focus on in the future to best serve our members and the society.

Please encourage your students or greener employees to attend this workshop. We are presently looking for professionals from each of these three divisions (i.e., academia, government, and private sector) willing to 1) present, 2) critique CVs, and/or 3) help judge mock interviews. If you would like to help us by volunteering your expertise and time, please contact us at afsstudent@gmail.com, so we can identify your time availability and topics of interest. Topics suggested by members for presenters to cover are: pedagogy, grant writing and management, conflict resolution, project management (organization and leadership), science communication, and where to find positions.

Thank you for your time and consideration. We appreciate all the support that the Education Section provides our Subsection as we strive to educate and prepare new fisheries professionals.

Sincerely,

Heather Stewart
Student & Early Career Professionals Subsection President
AFS Emerging Leader
Québec Student Subunit Founder

AFS Emmeline Moore Prize Nominations

Requesting nominations for the AFS Emmeline Moore Prize to recognize efforts of an individual member in the promotion of demographic diversity in the society. This award will be presented to an individual who demonstrates strong commitment and exemplary service to ensuring equal opportunity access to higher education in fisheries and/or professional development in the broad range of fisheries science disciplines. Qualified nominees must exhibit clear evidence of service and commitment to diversity initiatives, including a strong research or fisheries management leadership background, public understanding of diversity issues, technical and popular writing, and inspirational leadership. Candidates should also have enunciated principles that lead to greater involvement of under-represented groups in fisheries science, education, research or management. Nominees for the award are restricted to AFS members.

Join the Education Section for our symposium in Columbus!

The River of Education Technology – Ever Changing, Ever Flowing

Symposium Organizer: Melissa Wuellner

Undergraduate and graduate education of fisheries students changes with new knowledge, employer needs, and students themselves. Educational technologies can lead to new content delivery and program development.

Technological options in the classroom and online are constantly developing, leading to new approaches for asynchronous and synchronous delivery of online courses, flipped classrooms, and virtual field and laboratory experiences, to name a few. However, many educators and employers have debated whether the newer technologies can provide students the same knowledge and expertise as more traditional methods. Further, adoption of new technologies can be challenging for instructors and student comfort. Are these changes in technology providing future fisheries professionals with what they want and need in their education and career preparation? In this symposium, speakers will describe the evolution of technology in the classroom, describe the opportunities and challenges of technological adaptation for content delivery and program development, provide evidence of meeting learning objectives using technology, and describe the student experience with successful and unsuccessful uses of technology in the classroom. A panel discussion at the end of the symposium will allow for further discussion on where fisheries education is leading and how technology can be leveraged to meet student and employer needs.



The Education Section of AFS

The American Fisheries Society



AMERICAN FISHERIES SOCIETY

150th Annual Meeting

COLUMBUS, OHIO, AUG 30 - SEPT 3, 2020

Editors' Note

Comments or suggestions are always welcome! Please feel free to contact us at any time. We encourage submissions and ideas for future issues of the newsletter.



Dylan Gravenhof

South Dakota Game, Fish & Parks
20641 SD Hwy 1806
Fort Pierre, SD 57501
Dylan.Gravenhof@state.sd.us



Seth Fopma

South Dakota State University
SNP 138 Box 2140B
Brookings, SD 57007
Seth.Fopma@sdstate.edu