

Education Section of the American Fisheries Society

President's Line

It's hard to believe that it is already the middle of July, and it's even harder to believe that the Annual Meeting is only about one month away! For me, and I'm sure for many others of you, it also means that the 2016-2017 academic year is only a month away—yikes!!!

The Education Section will hold our annual business meeting in conjunction with the Annual Meeting of the American Fisheries Society in Kansas City, Missouri, on Sunday, August 21st, from 5-7PM. President-Elect Dr. Mark Fincel, has selected some tasty appetizers and refreshments, so arrive a few minutes early and mingle with friends and colleagues. In addition to reviewing the budget, delivering committee reports, and presenting awards, we will announce election results for NED and NCD Representatives. Speaking of committees and elections, we will be asking for nominees for the Excellence in Fisheries Education Award committee. Please consider self-nominating or nominating a colleague for this important work—recognizing excellence in our field!!!

Two new committees were spawned out of the Education Section since our previous newsletter, and you will be hearing more about them at our annual business meeting. First, the Education Section chartered a new committee, the Inter-Section Committee on Education (ICE) to pick up where the AFS Special Committee on Educational Requirements left off, addressing three important fisheries education-employment related issues:

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- (1) assess whether the current professional certification standards match with employer needs
- (2) examine the need, feasibility, and best practices for academic program accreditation in fisheries
- (3) determine whether a need exists to develop standard screening and/or hiring operating procedures tied to the federal KSA (Knowledge, Skills, and Abilities) application process so that employers know whether or not their best applicants made it through initial screening.

Membership on the ICE includes individuals representing a diverse array of AFS committees and sections with an interest in fisheries education and employment, such as the Professional Certification Committee (Wuellner), Fisheries Management Section (Phelps), Fisheries History Section (Jackson), Education Section (Sutton, Chair), Continuing Education Committee (Jolley), and an AFS member at-large (Reynolds).



President's Line (cont'd)

Second, AFS President Essig chartered the AFS Special Committee on Research on Wild Aquatic Vertebrates, and worked with the Executive Committee of the Education Section of AFS to populate the committee (Dr. Steve Cooke, Chair). The charges for this committee are to:

- (1) review the wildlife protocol template as endorsed by the American Society of Mammalogists to ensure that it works as best as possible for wild aquatic vertebrates
- (2) share recommended changes desired for wild aquatic vertebrates with Dr. Robert Sikes at University of Arkansas at Little Rock who is the President-Elect of the American Society of Mammalogists and is leading an effort to get endorsement from other taxon societies
- (3) when a document is suitable for AFS endorsement, work with the AFS Constitutional Consultant to prepare a motion for Management Committee approval on a future monthly call
- (4) consider whether AFS should become a member organization of the American Association for Accreditation of Laboratory Animal Care International (<http://aaslac.org>).

If you have any questions or concerns, please contact me directly (katie.bertrand@sdstate.edu). If you have additional items that you feel need to be addressed by the membership, you can discuss with me to have them added to the agenda, or you are welcome to bring them to the attention of the group during the 'New Business' portion of the meeting. Looking forward to seeing all of you in KC!

Katie Bertrand





2016 KANSAS CITY, MISSOURI

August 21-25
146th Annual Meeting



Education Section and Student Activities:

Saturday, August 20

8:00 AM – 5:00 PM Continuing Education workshops

Sunday, August 21

8:00 AM – 5:00 PM Continuing Education workshops

8:00 AM – 12:00 PM	Leading at All Levels in AFS (FREE)	New York B
1:00 PM – 5:00 PM	Scientific Publishing & Communications (FREE)	New York B
5:00 PM – 7:00 PM	Education Section – Business Meeting	Empire A
6:00 PM – 9:00 PM	Welcome Networking Event & Sea Life Aquarium (7-9 PM)	Crown Center Square

Monday, August 22

9:40 AM – 5:00 PM	Best Student Paper and Poster Session	Chouteau A
4:00 PM – 5:00 PM	AFS Hutton Oversight Committee Meeting	Boardroom
6:00 PM – 8:30 PM	Trade Show and Poster Networking Event	Exhibit Hall A

Tuesday, August 23

9:30 AM – 4:00 PM	Wild Jobs Café (mentoring event)	Exhibit Hall B
9:40 AM – 11:40 PM	Stephen Weithman: His life honored through the Student Award	Chicago B
9:40 AM – 4:00 PM	Hatchery Fish Biologist... A Career for the Future	Van Horn B
12:00 PM – 2:00 PM	Best Student Paper and Poster Judges Luncheon	Van Horn C
4:00 PM – 5:00 PM	Student Speed Networking	Exhibit Hall B
6:00 PM – 9:00 PM	Student Networking Event – Cowboy & Cowgirl Up	PBR Big Sky

Wednesday, August 24

7:00 AM – 9:00 AM	Spawning Run and Carcass Crawl	Berkley Riverfront Park
9:40 AM – 3:00 PM	Preparing Fisheries Professions with Depth and Breadth	New York A
3:30 PM – 5:30 PM	AFS Business Meeting (Announcement of BSPP)	Exhibit Hall B
6:00 PM – 10:00 PM	Grand Networking Event	Union Station

Students play a vital role in the American Fisheries Society, representing future professionals responsible for conservation of our aquatic resources around the world. Students are encouraged to participate in these events to get the most out of their AFS 2016 Annual Meeting experience.



ATTENTION MEMBERSHIP!

It's election time and every vote counts!

Participating in the Education Section election is important and members of the Northeast and Northcentral division are encouraged to vote for the **Northeast Division** and **Northcentral Division** representative positions to serve on the Executive Committee.

Note: you are allowed to only vote for a representative of your division. Therefore, Western and Southern Division members will not vote this year (elections for those representative will be next year).

Please read through the biographical sketches below and use the link to place your vote. **Elections will close on August 12, 2016.** If you have any questions, please contact Craig Paukert (paukerc@missouri.edu).

To vote, please go to: <https://www.surveymonkey.com/r/5SDB9V3>

Reminder about the Education Section Funding Request Process

The Education Section regularly receives funding requests for various activities and projects typically from another Unit of AFS. We encourage these requests and try to help AFS Units and interested parties further the mission of the Education Section. Below are some points to consider if you choose to request funding from the Education Section:

- See our website for the funding request application and process (<http://education.fisheries.org/funding-requests/>)
- Note: there is a different form for funding student colloquia (found on the website link above)
- All funding requests over \$2,500 need to be submitted by July 1 for consideration by the annual business meeting held in conjunction with the Annual AFS meeting (in August 2016).
- No request over \$2,500 will be considered at the annual business meeting (even from Education Section members) unless it was submitted before July 1.



Candidate Biographies: Northcentral Division Representative

(Northcentral Division members; vote for one)

Hope Dodd

I am currently the fisheries biologist for the National Park Service's Heartland Inventory and Monitoring Network stationed in southwest Missouri. I coordinate the fish monitoring program in 11 parks throughout the Midwest. This program is part of NPS's mission to collect and analyze scientifically sound data to aid parks in management of their natural resources. With covering such a large area, I am fortunate to work in a variety of systems from tallgrass prairies to the Ozark Highlands to the Ouachita Mountains and work in partnership with both state and federal agencies as well as Universities on several projects and grant proposals. As adjunct faculty at Missouri State University, I have the wonderful opportunity to mentor students through my role as co-advisor of the Missouri State University AFS Student Subunit and through internship programs and seminars. I have also had the rewarding experience of mentoring high school students through the Hutton Jr Fisheries Program. I have been a member of the AFS parent society since 1996, and have been a member of the Missouri Chapter since my move to the state in 2005. As a chapter member, I have served as treasurer, Excom member, and Program Chair for the Missouri Natural Resources Conference (MNRC) 2014. I am currently the Publicity Chair for MNRC 2018.

Previous to my job with NPS, I worked as a stream ecologist at the Illinois Natural History Survey conducting assessments of stream restoration practices and dam removal on fish and invertebrate communities. These research projects involved inter-agency collaboration as well as landowners/watershed group participation. During this time as a young professional, I was an active member of the Illinois Chapter, serving as the Continuing Education Committee Chair and an Excom member, and became a member of the NCD Rivers and Streams Technical Committee.

I received my M.S. in Fisheries and Wildlife from Michigan State University and my B.S. from Ball State University in Aquatic Biology and Fisheries. I was a member of both the Michigan and Indiana Chapters and was president and founding member of the Ball State Student Subunit.

As a child, my family and I spent our vacations camping, boating, and fishing in northern Indiana. These fond memories and wanting to conserve and protect the resources I enjoyed as child is why I became a fisheries biologist. My husband and I enjoy hiking, camping, and floating the many scenic rivers of the Ozarks region. We have three dogs who also share our love for the water and enjoy swimming in the creeks and springs near our house.

I have enjoyed working with the many terrific people in the state chapters, student chapters, and the NCD Rivers and Stream committee. Although I've been a member of the AFS parent society for 19 years, most of my involvement in AFS has been at the state level. It would be an extraordinary opportunity and an honor to continue serving AFS at the division and national level in the capacity of NCD Representative to the Education Section. Thank you for your consideration.

Candidate Biographies: Northcentral Division Representative

(Northcentral Division members; vote for one)

Martin Hamel

My name is Martin Hamel and I am a Research Assistant Professor at the University of Nebraska-Lincoln. I am a fish biologist who has focused my research efforts on large river ecology. Though much of my research has focused on identifying causal links between anthropogenic influences and population dynamics of native fishes, I still enjoy getting involved with my fellow cohorts for sportfish management. My love for rivers and all things fishing stemmed from growing up in Dubuque, IA along the Mississippi River. My formal education includes a Ph.D. at the University of Nebraska, a M.S. at South Dakota State University, and a B.S. at Upper Iowa University. Prior to my tenure with UNL in 2008, I was a fish biologist with the Nebraska Game and Parks Commission for two years working on pallid sturgeon research on the Missouri River.

I have been actively involved in various avenues of AFS for a number of years. I have been a member since 2004 (at various levels) and have enjoyed networking and contributing to the various groups that are formed within AFS. I am currently a member of the North Central Division, the Fish Management Section (FMS), the Education Section (ES), and a Nebraska state chapter member. Being active in AFS has certainly helped me through my career. My early involvement as a graduate student allowed me to network with fellow graduate students and fisheries professionals. Attending meetings and participating in the continuing education workshops provided valuable resources for my own personal growth. After working in the profession for a few years, I began to participate at both the section and chapter levels. Contributing within committees assigned to specific tasks has provided a whole new level of professional development and has led me to assume leadership roles at various levels. I became the president of the Nebraska AFS Chapter in 2014 and enjoyed serving chapter members with knowledge and insight into fisheries related issues at a variety of scales. I am currently serving as the NCD representative on the AFS Strategic Communications Special Committee as well as the early career professional committee of the Fish Management section.

I'd like to continue to support AFS and the NCD and would welcome the opportunity to represent the NCD on the EXCOM of the Education Section. Thank you and I look forward to serving the members of the NCD.

Candidate Biographies: Northcentral Division Representative

(Northcentral Division members; vote for one)

Mark Kaemingk

Mark Kaemingk is a Research Assistant Professor in the School of Natural Resources at the University of Nebraska-Lincoln (UNL). He received his B.Sc. from South Dakota State University in Wildlife and Fisheries Sciences, M.Sc. from Central Michigan University in Conservation Biology, and Ph.D. from South Dakota State University in Biological Sciences. Prior to his current position, he was a National Science Foundation postdoctoral fellow at Victoria University of Wellington (VUW) in New Zealand. While at the Victoria University Coastal Ecology Laboratory, he explored the marine life stage of an amphidromous fish species. The primary focus of his research program at UNL is to better understand social-ecological systems, particularly among anglers and freshwater ecosystems. Mark values service and enjoys working with students - both in and out of the classroom. He has chaired or served on ten professional committees during his eleven years of membership within the American Fisheries Society (AFS). He is also very committed to mentoring young professionals across all levels of education. Currently, he is advising five graduate students (at UNL and VUW) and assists with undergraduate research projects. Mark would be honored to continue serving within the AFS as part of the Education Section, which certainly promotes and embodies many of his professional passions.

Candidate Biographies: Northeast Division Representative

(Northeast Division members; vote for one)

David Argent

David G. Argent, Ph.D., is Professor in the Biological and Environmental Sciences Department at California University of Pennsylvania (CalU). Dr. Argent holds advanced degrees in Fisheries and Wildlife Science from Virginia Tech and Penn State University. He is a certified Fisheries Professional and a life member of the American Fisheries Society. Dr. Argent has served the American Fisheries Society as:

2015 to present – Member of the Executive Committee of the Pennsylvania chapter of the American Fisheries Society

2014 to present – Faculty advisor to the CalU Subunit Chapter of the PA American Fisheries Society

2014 to present – Chair of the Northeast Division of the American Fisheries Society Awards Committee

2012 to present – Member of the American Fisheries Society Professional Certification Committee

2008 to 2012 – Member of the Executive Committee of the Pennsylvania chapter of the American Fisheries Society

2009 to 2010 – Co-Chair of the Symposia Committee, National American Fisheries Society conference, Pittsburgh, PA

2006 to 2007 – President of the Pennsylvania Chapter of the American Fisheries Society

2003 to 2005 – Member of the Executive Committee of the Pennsylvania chapter of the American Fisheries Society

Dr. Argent has been a professor at California University of Pennsylvania since 2000. During this time Dr. Argent has instructed over 1500 undergraduate students in fisheries related subjects including: fisheries management, ichthyology, population dynamics, and aquaculture. Dr. Argent has served as a science advisor on numerous projects for several local, state, and federal organizations and as research advisor to numerous undergraduate and graduate students.

Dr. Argent has published in a variety of scientific peer-reviewed journals and presented at many scientific conferences. His current research interests focus on conservation of environmental resources and preservation of water quality – of which a key to success is environmental education.

REMEMBER TO VOTE!

To vote, please go to: <https://www.surveymonkey.com/r/5SDB9V3>

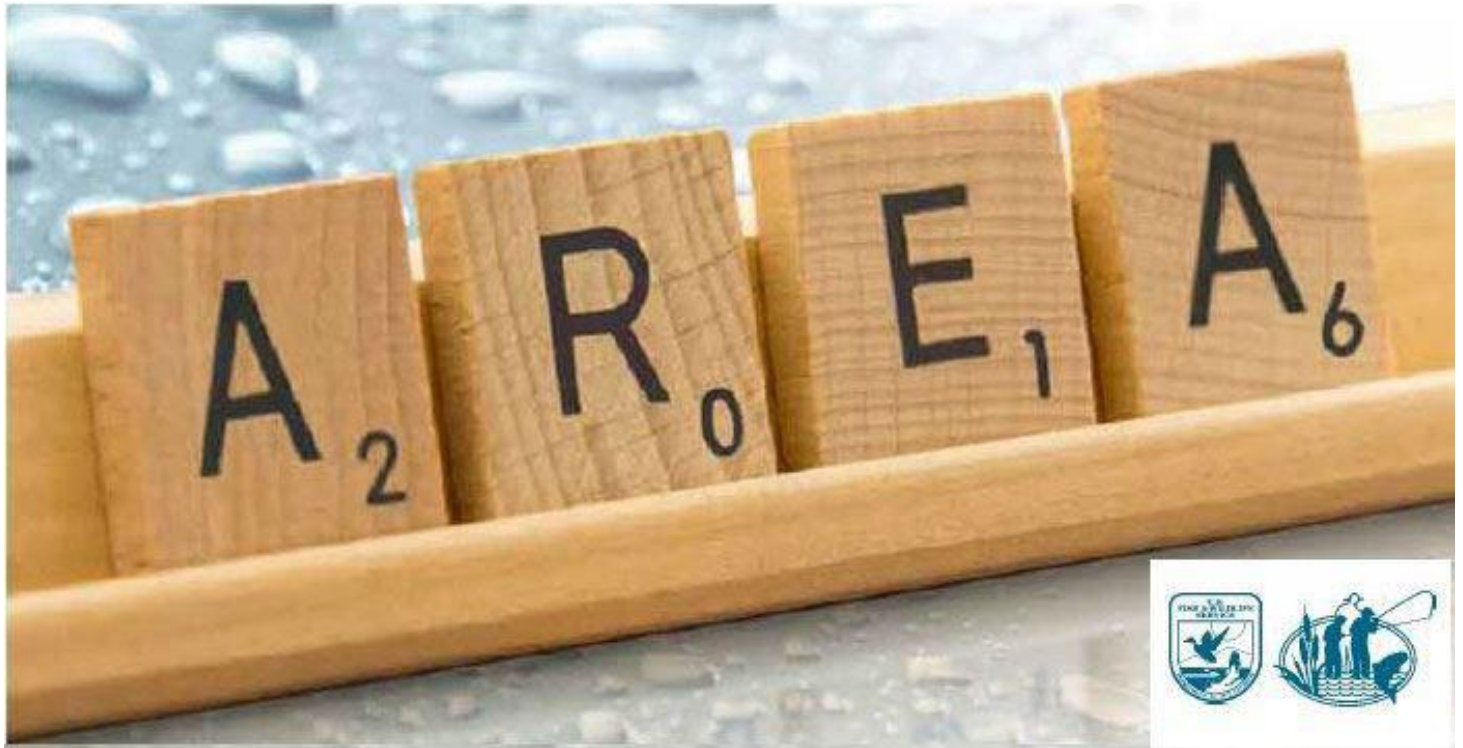
Elections will close on August 12, 2016



EDUCATION SECTION AMERICAN FISHERIES SOCIETY

*Annual Business Meeting
August 21, 2016; Kansas City, Missouri (5-7 pm)
Empire A, Sheraton Kansas City at Crown Center*

- I. Call to Order
- II. Introduction of Guests
- III. Determination of a Quorum
- IV. Approval of Agenda
- V. Approval of Minutes from 2015 Business Meeting
- VI. President's Comments (Katie Bertrand)
- VII. Treasurer's Report (Ty Wagner)
- VIII. Comments by AFS Officer
- IX. Committee Reports
 - a) Newsletter (Hilary Meyer, David Schumann)
 - b) Web Page (Steven Ranney)
 - c) Excellence in Fisheries Education Award (Greg Whitledge)
 - d) Skinner Award (Julie Harris)
 - e) Best Student Paper-Poster 2015 Awardees
 - f) Best Student Paper-Poster 2016 Symposia (Mark Fincel, Amanda Rosenberger, Dan Shoup)
 - g) Membership & Early Career Professional (Rebecca Krogman)
 - h) Nominating (Craig Paukert)
- X. Ad-hoc Committees and Special Projects
 - a) Inter-section Committee on Education (Trent Sutton)
 - b) AFS Special Committee on Research on Wild Aquatic Vertebrates (Steven Cooke)
 - c) Undergraduate Travel Assistance Award (Clint Lloyd)
 - d) Incredible Skinner Challenge (Craig Paukert)
- XI. Additional Reports
 - a) Student Subsection (Ross Boucek)
- XII. Other Awards and Recognition
 - a) Out-going Division Representatives
 - b) Out-going Education Section Officers
- XIII. Old Business
- XVI. New Business and Announcements
- XVII. Adjournment



2016 AREA CONFERENCE

COLLABORATION: BETTER TOGETHER

OCTOBER 23 - 27

Held at the USFWS National Conservation Training Center (NCTC) in Shepherdstown, WV. The 533-acre walking campus is about 80 miles from Washington, D.C.

PRECONFERENCE TRAINING:
OCTOBER 23
Angler Recruitment, Retention and Reactivation (R3) with Matt Dunfee

The Aquatic Resources Education Association (AREA) is a unique national not-for-profit association dedicated to educating the public about the aquatic environment, teaching skills to anglers, and recruiting, retaining and reactivating anglers. Industry leaders, nonprofit organizations, federal agency representatives and state personnel will be involved.

Early registration ends August 18. Five student scholarships are available, <https://area.wildapricot.org/page-18066>, with an application deadline of August 31. During early registration, AREA Conference cost is \$350 for nonmembers and \$300 for members with costs going up fifty dollars after August 18.

Student Subsection News

By: Clint Lloyd

President-elect, Student Subsection of the Education Section

The Student Subsection of the Education Section (Subsection) has worked diligently since the last newsletter to enhance the student experience within the fisheries profession. During this time, executive committee (EXCOM) members have reviewed and adapted a strategic plan for the Subsection. The Subsection has also been working to increase the awareness of student education by contributing to thematic issues of *Fisheries*, providing students with publication opportunities as well as preparing for and attending conferences. Finally, the Subsection's webpage has been updated and converted to WordPress with members regularly updating the webpage.

During the final part of 2015, a strategic plan was developed for the Subsection. This plan is to act as a guiding document for the Subsection over the next five years and ease the annual transition of EXCOM members. The plan gives a history of AFS and the Subsection, defines our mission, vision and guiding principles and sets obtainable goals with corresponding timelines to achieve set goals. Subsection EXCOM members have reviewed the document and it will be brought to vote at the Subsection's business meeting at the American Fisheries Society meeting in Kansas City.

Subsection EXCOM members contributed to thematic issues of *Fisheries*, assisting in the education of fisheries professionals and students. Perspective pieces were submitted on behalf of the Subsection giving our perspective on issues such as climate change with an emphasis on education and preparing the next generation of fisheries professionals. Four "Student Angles" were submitted to the Subsection this year and EXCOM members have peer-reviewed those submissions and submitted them for publication.

EXCOM members regularly attended and presented at conferences disseminating information not only on their personal research, but content about the Student Subsection in attempts to increase awareness and student involvement in the organizations. Efforts were made in establishing an event at the American Fisheries Society meeting in Kansas City during the "Student Day". The event encouraged previously established student subunits to help new student subunits at other universities through the initial growing pains that might be experienced. It also emphasized the exchange of ideas among student subunits that may not converse on a regular basis.

Finally, the Subsection's webpage was recently converted to WordPress and is in the process of being updated. Subsection EXCOM members have tracked down all articles featured on the webpage and ensured all links work and direct visitors to the correct documents or webpages. Additionally, the organization and flow of the webpage has been modified to remove redundancy and ongoing regular updates of current AFS activities, accomplishments, and useful information are creating a more user friendly and concise web environment.

South Dakota State University Student Sub-unit Events

By: Dan Nelson
President

Since the annual Dakota Chapter meeting this past winter the SDSU AFS sub-unit has been preparing members for their summer job hunt. We conducted a series of job search and primer exercises which included a job fair, resume workshops, and mock interviews. Employers from six states provided the opportunity to apply for over 100 different jobs during our job fair. This was then followed by a resume writing workshop that was held in conjunction with our Career Services Center at SDSU. Members were then given time to construct their resume and were then put through mock interviews by graduate students and faculty members.



Once students were prepared to apply for jobs, we had representatives from non-governmental organizations, state agencies, and federal agencies come and describe their everyday and annual job tasks; both pros and cons, to give students a better idea of what each agency is about.

Student members volunteered at a few local events promoting the education of young individuals. It began with Frost Fest 2016, hosted by Dakota Nature Park, where members were just along for the ride helping children learn how to be safe during ice fishing and how to enjoy their time on the ice. Once the ice thawed members were able to partake in the Big Sioux Water Festival. Here members taught 4th graders about how to be “water-wise” and the “Fishes of the Big Sioux River.”

Finally a few AFS members were able to find jobs for local fisheries agencies are gearing up to be a part of the Natural Resources Camp hosted by SDSU. High school students will get a first time hands-on experience on how we employ our fisheries techniques as far as lake/stream ecology, field sampling and fish identification.



University of Maine Student Sub-unit Events

By: Meg Begley



The AFS Student Subunit at the University of Maine has been active with a wide variety of events over the past year. From workshops to outreach events we have kept our subunit members busy. Fortunately, many of our subunit graduate student members have a range of skills and interests which we have been able to take advantage of to host a variety of workshops throughout the year.

To start the past spring semester, members participated in a fly tying workshop where they learned how to tie wooley buggers. We then braved the February weather ice fishing on Hermon Pond. Some of our well-seasoned ice fishing graduate students whipped greenhorns (both graduate and undergraduate alike) into shape by teaching them the art of setting gear without losing fingers and the proper form needed to bumble after flipped flags without wiping out on the ice. Adventures were taken indoors with workshops exploring the wondrous head-ache involved with resume and cover letter construction (led by Dr. Gayle Zydlewski, faculty member in the School of Marine Sciences) and building/ manipulating databases using Microsoft Access (led by Meg Begley, MS student). We then ended with a bang with our Second Annual Spawning Run 5k, which took place at the end of April. The event was also an early part of the 2016 World Fish Migration Day, raising awareness about the importance of open rivers for migratory fish species. Prizes were given for not only the top runners but also best fish costumes, and \$1000 was raised for the subunit's Outreach and Education Fund. The Outreach and Education Fund was established after the Inaugural Spawning Run 5k in spring of 2015, and has been used to support a variety of outreach programs over the past year.



University of Maine Student Sub-unit Events (cont'd)

Our newly implemented outreach agenda has been met with great success. In the past year, subunit members traveled to seven Maine schools (K-12) leading a variety of hands on fishery science activities including squid dissections, aquatic macroinvertebrate identification, and fish migration lessons to emphasize the importance of science and how our actions affect the environment. Using money raised from the Spawning Run, we were able to create lessons plans, purchase supplies, and travel to schools exposing students to subject matter not established in their normal curriculum. During World Fish Migration Day, we built foam fish with the community at the Bangor Discovery Museum and demonstrated fish passage using an extensive water table. Subunit members also guest lectured at schools participating in "Salmon in the Classroom," teaching students about fish migration and life cycles.

Over the winter, the subunit joined forces with 4H STEM personnel on campus to build on subunit member teaching experience. The 6 week program involved working with elementary and middle school students throughout Maine using activities that help students develop an understanding of science using hands-on activities. With the successful completion of the program our next goal is to work with 4H STEM and develop fishery lesson kits that can be used by teachers in their own classroom.

Currently we are gearing up for the upcoming fall semester with a changing of the guard in new office members. They are excited to continue carrying the torch, and have big plans for the coming year!



East Carolina University Sub-unit Events

By: Roger Rulifson



Last year AFS members Drs. Joe Luczkovich and Roger Rulifson, along with Drs. Mark Sprague and J.P. Walsh, took ownership of Blackbeard the Acoustic Wave Glider (AWG) from Liquid Robotics through an award by the National Science Foundation. During the past academic year we used this ocean robot off the Outer Banks testing its various capabilities. Powered by wave action for propulsion and solar energy for the computers and instrumentation, the AWG can remain deployed indefinitely. However, bio-fouling and downloading of accumulated data necessitate retrieving Blackbeard after several weeks of deployment.

The AWG has a surface float about the size of a large surfboard. This platform houses the solar panels, weather station, GPS, radar reflector, Acoustic Doppler Current Profiler (ADCP), a C3 fluorimeter, and the command and control computer and scientific computer. The float is attached with an umbilical cord to the subsurface glider, which remains 20 feet below the surface. The sub has a Vemco VR2C and a Seabird CTD. Wave action moving the float up and down moves the glider, which has louvers (much like window blinds) that always move the sub forward. A rudder on the sub is controlled by GPS through a satellite connection to our laboratory. We can steer it while in bed! Operation requires piloting on a 24/7 basis. Our latest deployment had an instrument called a Decimus mounted in a towbody 30 feet behind the sub; this unit records the soundscape of the sea. Blackbeard's speed is considerably slower when equipped with the Decimus, as we found out on our last deployment in June. Launched from a vessel off Atlantic Beach (Morehead City), NC, Blackbeard was set on a criss-cross path to search for acoustically tagged Southern Flounder, and listen for whales, dolphins, and other sound-producing sea creatures. However, the Gulf Stream was up against the Outer Banks, and Blackbeard could not "swim" fast enough to overcome the strong northerly currents. Blackbeard soon left the area of operation, and alarms for leaving the area combined with alarms for excessive current speed and robot speed resulted in Blackbeard being swept toward the shoals of Cape Lookout. From ECU, the pilots made the decision to steer Blackbeard around Cape Lookout into Raleigh Bay hoping the Gulf Stream currents along the coastline would be lower, but still currents were too strong and Blackbeard slowly swam backwards toward Ocracoke Island and Cape Hatteras. A planned 10-day mission ended with an early Sunday morning rescue launched from Morehead City under strong winds, moderate seas, and a small craft warning. We eventually caught up to Blackbeard off Ocracoke Island (how appropriate, that is where the real Blackbeard "lost his head", so to speak) and after a harrowing rescue, we finally made it back to Greenville and ECU near midnight. Follow Blackbeard's adventures on Facebook. Just type in "Blackbeard Sails the Seas for Science" to find out more.

East Carolina University Sub-unit (cont'd)

Chuck Bangley (ECU-AFS president and Coastal Resources Management PhD candidate) successfully defended his dissertation on nursery habitats of coastal sharks and is looking for a postdoc involving sharks and telemetry. Coley Hughes defended her CRM PhD dissertation on striped bass nursery habitats and is employed by the Albemarle Pamlico National Estuary Partnership (APNEP). Evan Knight, Jeff Dobbs, and Dan Zapf defended their MS theses successfully, and all are employed by the NC Division of Marine Fisheries. All of these students were from the Rulifson lab. From the Dr. Jeff McKinnon Lab, Zach Harrison and Tyler Walston are studying genomic and phenotypic aspects of diversification in the banded killifish complex. Working on the West coast, Chris Anderson and Lorreen Agandi are investigating sexual dimorphism, predation and color pattern evolution in the threespine stickleback complex.

We all wish the Education Section professionals and students a very productive and data rich summer!



Editor's Note

If you have comments or suggestions, please feel free to contact us. We encourage submissions and ideas for future issues of the newsletter. Contributions, comments, and suggestions may be emailed to us at any time.



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2016 KANSAS CITY, MISSOURI

August 21-25
146th Annual Meeting

