

**MINUTES OF THE  
MISSOURI CHAPTER OF THE AMERICAN FISHERIES SOCIETY  
ANNUAL MEETING**

**MISSOURI NATURAL RESOURCES CONFERENCE--TAN-TAR-A RESORT  
FEBRUARY 4, 2016**

**Attendees:**

Amanda Rosenberger, President	Bruce Drecktrah Alex Prentice	Elizabeth Wages Andrew Branson
Mike Smith, Past President	Kyle Case	Paul Calvert
Greg Pitchford, President- Elect	Tom Whelan Heidi Dunn	Brett Landwer Sarah Peper
Hope Dodd, Treasurer	Joey Rasco	Andy Austin
Dave Michaelson, Secretary	Willieam Schriener Catlin Ames	Kevin Sullivan Mark Van Patten
Joe G. Dillard	Adam McDaniel	Laura Ruman
Vince Travnichek	Joe McMullen	Sherry Fischer
Jennifer Campbell	Kyle Winders	Amy Meier
Kat Lackman	Kathi Moore	Brian McKeage
Sierra Comer	Lynn Schrader	Scott Voney
Ryan Little	Paul Michaletz	Terry Fike
April Perry	Kayla Key	Craig Gemming
Matt Matheney	Rory Mott	Darren Thornhill
John Fantz	Zach Morris	Valerie Hentges
Mary Scott	Mike Gossett	Melissa Scheperle
Jason Persinger	Kevin Atkins	Scott Williams
Jen Girondo	Matthew Schrum	Doug Novinger
Nick Sievert	Kelly Whitsett	Brian Todd
Emily Tracy-Smith	Elisa Baebler	Travis Moore
Corey Dunn	Jodi Whittier	Bob Distefano
Jacob Schwoerer	Andy Comfort	Chelsea McMullen
Jacob Westhoff	Clint Hale	Bill Mabee
Ethan Kleekamp	Shane Bush	John Ackerson
Josh Roberts	Justin Pride	Dave Woods
Jesse Kelly	A.J. Pratt	Nathan Recktenwald
Joe Chilton	Eric Rahm	Cari-Ann Hayer
Allen Brendes	Paul Blanchard	Duane Chapman
Tom Priesendorf	Paul Spurgeon	
Mike Bayless	Rick Horton	
Dan Metcalf	Kenda Flores	
Scott Lankford	Kara Tvedt	
Chris Jasumback	Denise Otto	
Darby Niswonger	Craig Fuller	
Megan Halford	Rusty Limback	
James Civiello	Sean Lorenz	

## **Introductions and Welcome**

Amanda Rosenberger called the meeting to order and called for a quorum. She then recognized the committee chairs and recommended that all members of the Missouri Chapter volunteer to serve on a committee in the upcoming year.

Amanda then announced the North Central Division (NCD) awards that were presented to Missouri at the Midwest Fish and Wildlife Conference in Grand Rapids, Michigan.

- Joe Dillard was presented a Meritorious Service Award for his years of service to MoAFS, NCD, and the Society. Joe is a charter member of MoAFS, and he was nominated for his long-standing service to the chapter including efforts spent chronicling years of MoAFS history and for his work in updating the Policy and Procedures Manual.
- MoAFS was presented with the NCD's Most Active Large Chapter Award for the second year in a row.

Recognition was given for this year's Citizen's Award, which was given to American Commercial Barge Lines of Paducah, Kentucky, for partnering with the Missouri Department of Conservation's large river fish tracking efforts. As part of the partnership, American Commercial Barge Lines fabricated brackets and mounted tracking equipment on several of their barges; they also maintained the tracking equipment that they had mounted.

The winners of the A. Stephen Weithman, Jr. Leadership Award ([Andy Austin](#)) and the John L. Funk Award of Excellence ([Craig Paukert](#)) were not announced until the MNRC awards banquet.

Past MoAFS presidents, NCD officers, and Society officers were then recognized.

Dave Michaelson announced that the minutes of the 2015 annual meeting had been posted to the MoAFS website and asked the membership whether any changes or additions needed to be made to the minutes. Hearing no comments, a motion to accept the 2015 meeting minutes was made and seconded. The motion passed with all in favor.

## **Treasurer's Report**

Hope Dodd reported that the MoAFS general account started the year with just over \$10,000.00 and ended with over \$11,256.26. There were roughly \$3,500.00 in actual expenses, and the remainder of the balance showing as withdrawals was actually a result of transferring funds. Actual income in 2015 was greater than expected, but actual expenses also were greater than expected. At the end of 2015, the chapter showed a profit of \$1,194.41.

The Student Support Trust Fund assets were distributed according to the investment strategy presented and approved of by the membership at the 2015 annual meeting. This strategy included the creation of a buffer account, laddered CD accounts, and index funds. At the end of 2015, the SSTF showed a balance of \$961.56.

A motion was made and seconded to approve the Treasurer's report. The motion passed with all in favor.

The full accounting of the Treasurer's report is provided as Attachment 1.

## **Letters of Recognition**

Recipients of the following Letters of Recognition were announced:

- Bob Pellegrin of Choices for People. Mr. Pellegrin was recognized for his leadership at “Day at the Old Fishing Hole” and “Day at the Trout Park,” which both were Anglers with Disabilities events.
- Sam Hardy for his work in capturing video images of Lake Sturgeon spawning in the Mississippi River, which led to the capture of brood stock and hatchery production of Lake Sturgeon.
- Paul Calvert, Sherry Fischer, and Jennifer Frazier were recognized for their work in defense of the Stream Stewardship Trust Fund during the course of a lawsuit.
- Mark Zurbrick was recognized for significant contributions during his role as Legislative and Environmental Concerns chair, his role as the Conservation Federation of Missouri (CFM) liaison, and for his diligent work on the SSTF investment strategy document.
- James Civiello, Steve Muich, and Brian Todd for their work documenting Missouri’s hatcheries. These two documents, describing warm and cold water hatcheries, were produced for future use in hatchery management.
- Jake Allman for his work in developing tablet and iPad software for sample data entry, which eliminates the need for office data entry. This new software will reduce data entry errors and will make data available more quickly.

## **Anglers with Disabilities Committee**

Mary Scott reported that the next event would be held at the Maramec Springs Park on April 15. Other events that were sponsored by the committee during 2015 were described in the Chapter Newsletter. These events included the 2<sup>nd</sup> Annual Adaptive Anglers Fishing Derby, sponsored by the Missouri Health Professionals Consortium, which MoAFS assisted by loaning several types of adaptive fishing equipment. Also, the 11<sup>th</sup> annual “A Day at the Ol’ Fishing Hole” was held on September 19, 2015 in Rolla, which hosted approximately 80 people.

## **Chapter Historian**

Amanda Rosenberger, on behalf of Joe Dillard, reported that Craig Paukert has agreed to temporarily assume the responsibilities of Chapter Historian as Joe transitions out of the role. Vince Travnichek will assist Craig following the 2016 Annual AFS Meeting in Kansas City.

## **Continuing Education Committee**

Andy Turner reported that Jodi Whittier has joined the committee to help with the student subunits. The committee is working on creating a Human Dimensions course for the Kansas City meeting, and they have been working with the NCD for continuing education ideas to present at Midwest Fish and Wildlife Conferences. They plan to work toward spending more time with the student subunits.

## **Finance Committee**

Greg Pitchford presented the proposed budget that was approved by the ExCom for subsequent membership approval (Attachment 2). He went on to say that it had been a good year for fund raising. The expenses presented in his proposed budget were typical with the exception of two

additions: 1) A Special Committee on Undergraduate Education and 2) Expenses related to having a CFM liaison.

Greg passed along to the membership two requests for funding that were received by MoAFS after the fall ExCom meeting. Because the ExCom was unable to vote on these requests, they were brought before the membership for approval.

1) The Society is trying to raise money for the Skinner Student Travel Award fund and will match donations up to \$25,000.00. Chapters and the NCD are being asked to contribute. Amanda entertained the motion to donate \$500.00 to this fund, and the motion was made. During the discussion, the question was asked whether the fund was in trouble. Craig Paukert replied that, although the Skinner Fund is not struggling financially at the moment, travel expenses continue to increase, and the Society would like to be able to send more students to meetings. The motion was seconded and passed.

2) The sponsors of a Management of Stream Black Basses symposium requested funds to offset expenses for students and speakers to travel to the Annual AFS Meeting in Kansas City to attend/present this symposium. Several points and questions regarding this request were raised during the discussion: (a) we do not know who is actually making this request; (b) the SSTF is sending students to the Kansas City meeting; (c) what happens to the money if we donate and it does not get spent during the meeting?; (d) this is an unusual request that could set a precedent for many symposia asking for money in the future.

No motion was made to approve or reject this request, and the issue was tabled.

### **Student Support Investment Strategy Update**

Mark Zurbrick provided a brief overview of the history and rationale of the investment strategy and then gave an update on how the investments fared since the last annual meeting. The investment market did not do well in 2015--the funds lost \$4.50 per share, which equated in our \$45,000 investment currently being worth \$41,000. Mark impressed upon the membership that this loss is on paper and will not be an actual realized loss until/unless we actually withdraw funds. Mark's recommendation was to continue with the investment strategy, use the buffer fund for its intended purpose (i.e. to finance scholarships when there are market down turns), and leave funds as they are.

### **Membership Committee**

Jennifer Campbell announced that MoAFS now has three types of memberships on the application form--new, renewal, and lifetime. The chapter acquired three new lifetime members since last year. There are 171 members with 34 pending renewal forms to be processed, which will give us roughly the same number of members as last year. These numbers include student subunit members as well.

Jennifer reminded members of some of the benefits of being a MoAFS member, should anyone ask, "What does membership buy?" She spoke of opportunities to work with such events as disabled angler events, various committee work, as well as professional development.

A total of 16% of applicants filled out the preference box regarding sharing contact information with CFM.

Jennifer gave an update on her work with Promotive, an organization that would provide discounts to MoAFS members on popular outdoor equipment. Jennifer said that she has tried to contact them, but the company has essentially disappeared. Instead, the membership committee will look for businesses that are willing to work with us. She encouraged members of the Chapter to provide examples of businesses we should try partnering with.

### **MNRC Steering Committee**

John Ackerson reported that the 2016 MNRC had 822 registrants, which exceeded last year's total. This year's host had more vendors than they could accommodate, so they chose to turn some away. John stated that when it was MoAFS's turn to host in 2018, we will make a point to include all vendors who wish to attend. Soil and Water is hosting the MNRC in 2017 (February 1-3), so John will be job shadowing with them this year. He is looking for themes and speakers for when it is our turn. For future conferences, they plan on trying to give out complimentary rooms provided by the resort to student attendees.

### **Information Technology Committee**

John Fantz and Kat Lackman reported that they added a new Chapter History page to the MoAFS website.

### **Legislative and Environmental Concerns Committee**

Mark Zurbrick said that for the current legislative session, there are 12 House bills and 3 Senate bills that are designed to affect natural resources. Although none are aimed directly at aquatic resources, there are some that will affect our interests if passed. Included below is a brief description of a few of the proposed bills.

- Missouri Department of Natural Resources' budgeting and authority is under attack.
- There are bills that would make MDC at least partly financially responsible for vehicle damage resulting from collisions with wildlife.
- The bills in this session targeting MDC would affect the agency's Constitutional authority.
- The bill that is actually making progress at the moment is designed to change the composition of the Conservation Commission.

Mark recommended that Chapter members go to the CFM website and click on the link to join the Legislative Action Center. By doing so, CFM will automatically send emails to your representatives on bills regarding conservation and natural resources.

### **Publicity Committee**

Trish Yasger asked people to come to the MoAFS booth to check their silent auction bids and pay if they won. The Chapter gained \$1,553.00 in adventure trip auctions and \$454.00 in silent auctions.

## **Rivers and Streams Committee**

Eric Rahm instructed committee members to attend the Rivers and Streams Committee meeting immediately following the annual meeting.

## **Student Support Committee**

Jen Girondo began by introducing the student subunits and asking whether each of the representatives in attendance had anything to report. The UCM, UMC, and SEMO subunits provided written statements of accomplishments, as follows. Jesse Kelly, President of the Missouri State subunit, provided an update in person.

- Missouri State University--Jesse Kelly reported that they conducted a fish seining exercise to look at the community structure. The SEMO subunit also hosted guest speakers and had a workshop on native vs. exotic aquatic plants. Jesse also expressed his gratitude to the Chapter's Student Support Trust Fund for allowing him the opportunity to travel to the MNRC.
- University of Central Missouri--Sean Lorenz, President. The UCM subunit met with MDC employees to gain practical experience in electrofishing, identifying, and measuring fish.
- University of Missouri-Columbia--Mary Mabery, President. Members of the Fisheries and Aquatic Sciences Society participated in UMC's South Farm Showcase and conducted biomonitoring of Grindstone Creek, which included an electrofishing demonstration. They also worked with UMC's Parks and Recreation Department to sell carp food products as a fund raiser. Future plans include hosting guest speakers, taking advantage of volunteer opportunities, and setting up a native fish aquarium on the UMC campus by the end of the academic year.
- Southeast Missouri State University--Nick Kramer, President. Members participated in outreach events including a casting challenge at the Cape Girardeau Nature Center and at A Day on the River. They also assisted MDC personnel with Asian Carp fillet demonstrations. Several members participated in professional meetings including five traveling to Portland, Oregon, to attend the AFS National Meeting; four members presented at the North American Sturgeon and Paddlefish Meeting in Wisconsin; and six members traveled to the MNRC. The SEMO subunit also was awarded the North Central Division's Most Active Student Unit.

Jen then presented the following student awards.

- Kayla Key (UMC) for best MNRC poster.
- Joe Chilton (MSU) won the \$2,500.00 Future Professional Scholarship, which was funded from last year's fly fishing raffle proceeds.
- Christopher Schwinghamer (SEMO) was awarded the Joan Duffy Travel Award.
- Corey Dunn (UMC) won the \$500.00 Student Achievement Award.
- Nominations for the CFM Morrow and Stegner Scholarships are still being received/reviewed.

-The committee continues to update information on its Facebook page, so if anyone in the Chapter has job announcements they would like to have posted, let Jen know about it.

-Students from four universities attended a student colloquium at Columbia Bottoms Conservation Area last spring that was jointly sponsored with The Wildlife Society.

-The Student Support Committee re-worked various MoAFS scholarship applications so that they match one another as well as other AFS scholarships. A three-person panel will review applications. General categories for ranking include AFS involvement, extracurricular activities/leadership roles, academic performance, and career goals.

-Jen announced the creation of the Future Professionals Award, which will be available only to undergraduates. The Student Achievement Award is geared more toward graduate students.

-The Student Support Committee had about \$5,187.00 in income, and they plan to award \$2,300.00 in scholarships (from the gun raffle proceeds). They will also grant a one-time \$2,000.00 award. Overall, they plan to have approximately \$5,300.00 in expenses, which is a net loss for the year, but the dollar figure may change depending on student requests for the Annual AFS Meeting.

-A motion to approve the Student Support budget (Attachment 3) was made and seconded. The motion passed.

### **Newsletter**

Emily Tracy-Smith and Daniel Metcalf were acknowledged for their work in producing the Chapter's newsletter. Amanda also pointed out for the membership Daniel's expertise in graphics.

### **Special Reports**

#### Student Support Fundraiser

Andy Turner reported that this year's fundraiser (a gun raffle) yielded \$2,300.00 in profits. A total of 177 tickets were sold, and six guns were given away. They were able to sell more tickets to non-MoAFS members, and five of the six winners were not members of the Chapter. The plan is for the Future Professionals Scholarship to be funded with the proceeds of this raffle. Although next year's fundraiser will be similar to the gun raffle format, they may mix up the prizes.

#### 2016 American Fisheries Society Meeting in Kansas City

Vince Travnichek reminded members that the annual meeting will be held on August 20-25, 2016 and to please come by and get a commemorative magnet. Registration begins on May 1, and abstracts are currently being accepted.

The four main committees and 40 subcommittees are all staffed and have been meeting. Vince is looking for interesting facts and points of interest about Kansas City that can be posted to the website. He is also looking for donations of silent auction items, trips, etc.

Vince anticipates, based on past meetings, that MoAFS should profit approximately \$40,000.00 from the Kansas City meeting. The Chapter has a commitment to raise \$50,000.00 for the meeting; put in perspective \$250,000.00 was raised for the Portland meeting, so he did not anticipate any difficulty with our commitment.

Although most of the 40 subcommittee slots have been filled, there are numerous opportunities for Chapter members to offer their services at the meeting. All can expect to at least moderate a session.

### Special Committee on Undergraduate Education

On behalf of Mike Kruse, Amanda Rosenberger gave a PowerPoint presentation describing the current status of *undergraduate* fisheries curricula in Missouri's major universities (Attachment 4).

Amanda explained that the creation of this special committee began due to challenges in maintaining quality undergraduate fisheries education in Missouri at our major universities. The first goal of this committee is to determine what classes are offered around the state, how often they are offered, and who teaches them (university professor/university staff/adjunct faculty?). They modeled their search based on AFS certification requirements to see whether Missouri's universities are offering the coursework necessary for a graduate to be on track to be an AFS certified fisheries professional.

A table showing the number of fisheries courses, other relevant biological courses, and opportunities for experiential learning was shown for University of Missouri-Columbia, University of Central Missouri, Southeast Missouri State University, Missouri State University, Missouri Science and Technology, Culver Stockton, University of Missouri-Kansas City, and Lincoln University. They discovered that the number of staff available to teach these courses is dwindling, and that students' satisfaction levels with their curricula varied widely by institutions.

When students were polled on what kinds of courses they would like to have offered, techniques courses, water quality, and professional development classes ranked high. When employers were asked what skills they would like to see applicants have, communication, policy and law, interpersonal skills, conflict resolution, techniques (e.g. engine repair), and professional development (e.g. time management, interview skills, networking skills) were desired.

The following action items were recommended for this committee:

- Create a detailed white paper and share it with other organizations.
- Conduct surveys to verify committee findings and increase the number of students polled for each university.
- Consider offering classes/workshops to fill the gaps that presently exist in universities. Assist with student travel expenses or bring the training to the students.
- Work with CFM to lobby Missouri lawmakers to get the faculty numbers back to where they need to be so that universities can fulfill their land grant obligations.
- Work for better coordination among programs.
- Push for new initiatives to better prepare students for the work force.

Discussion:

-There seemed to be a disconnect between what employers want in potential employees and what students want in their curricula. It seems that, at least in the case of UMC, there are good courses taught by MDC personnel.

-How can MoAFS be in a position to effect change in university curricula when the university's own department heads were unable to do so? Amanda responded that universities may take notice of outside pressure from a professional organization that says the status quo is unacceptable and that more is expected from (particularly) Missouri's flagship university.

-Could a standardized questionnaire be developed to distribute among the student subunits so that the students' perspective could be documented and addressed?



**New Business**

Bob DiStefano announced that the Hutton Junior Fisheries Biology program needs mentors. This is a summer mentoring program for high school students.

**Election Results**

Mike Smith announced that Alex Prentice will serve as the new MoAFS treasurer and Tom Preisendorf is the new President-Elect.

**President's Final Comments**

Amanda Rosenberger made her closing remarks and passed the gavel to Greg Pitchford.

**Acknowledgement of Outgoing Officers**

Greg Pitchford's first order of business was to present certificates of appreciation to Hope Dodd for her service as Treasurer and Amanda Rosenberger as outgoing President.

A motion to adjourn the meeting was made and seconded. All were in favor.

## **Attachments**

1. Treasurer's Report, Hope Dodd
2. Finance Committee, Greg Pitchford
3. Student Support Committee Budget, Jennifer Girondo
4. Special Committee on Undergraduate Education Summary, Amanda Rosenberger;  
PowerPoint presentation: Special Committee on Undergraduate Education, Mike Kruse
5. MNRC Steering Committee Contacts, John Ackerson

Treasurer Report 1/1/2015 - 12/31/2015

<b>Account</b>	<b>Beginning Balance</b>	<b>Withdrawals</b>	<b>Deposits</b>	<b>Dividends</b>	<b>Current Balance</b>
<i>General Fund Accounts:</i>					
Share - Type 00	\$7,094.10	\$200.00	\$1,557.70	\$24.80	\$8,476.60
Checking - Type 75	\$2,967.75	\$5,531.79	\$5,337.78	\$5.92	\$2,779.66
<b>Total</b>	<b>\$10,061.85</b>	<b>\$5,731.79</b>	<b>\$6,895.48</b>	<b>\$30.72</b>	<b>\$11,256.26</b>
<i>Student Support Accounts:</i>					
Money Market 78 (Buffer Fund)	\$77,042.19	\$73,743.63	\$1,145.00	\$69.69	\$4,513.25
Checking - Type 76	\$122.02	\$75,002.40	\$77,543.63	\$43.31	\$2,706.56
Share Certificate 1968 (24 mo @ 0.75%) 9/2016	\$12,523.63	\$0.00	\$0.00	\$94.19	\$12,617.82
Share Certificate 2381 (24 mo @ 0.82%) 11/2017	\$0.00	\$0.00	\$12,500.00	\$0.00	\$12,500.00
<b>Share Certificate 1479 (48 mo @ 1.25%) 5/2018</b>	\$12,578.41	\$0.00	\$0.00	\$157.97	\$12,736.38
Share Certificate 2382 (48 mo @ 1.29%) 11/2019	\$0.00	\$0.00	\$12,500.00	\$0.00	\$12,500.00
<b>Total</b>	<b>\$102,266.25</b>	<b>\$148,746.03</b>	<b>\$103,688.63</b>	<b>\$365.16</b>	<b>\$57,574.01</b>
<i>Special Projects Checking - 77</i>					
	\$4,554.70	\$4,715.27	\$3,250.00	\$3.39	\$3,092.82

<b>MOAFS 2015 Budget</b>		
	<b>2015 Budget</b>	<b>2015 Actual</b>
<b>Income</b>		
MNRC 2015 Raffle	\$2,000.00	\$145.00
MNRC 2015 Silent Auctions	\$400.00	\$994.86
Fundraiser Fish Pint Glasses (MNRC 2015 & Mussel Symposium)	\$100.00	\$362.84
Membership dues	\$400.00	\$509.92
Lifetime Membership dues	\$0.00	\$200.00
Membership dues and rebates from National	\$500.00	\$712.80
Account dividends	\$30.00	\$30.72
Other income (donations)	\$100.00	\$1,756.60
<b>Total Income</b>	<b>\$3,530.00</b>	<b>\$4,712.74</b>
<b>Expenses</b>		
MNRC Raffle and Supplies	\$50.00	\$86.48
Anglers with Disabilities - equipment, fish , tackle, etc.	\$1,000.00	\$569.10
2015 Chapter Awards	\$400.00	\$251.75
Fenske award (did not contribute in 2015)	\$0.00	\$0.00
A.S. Weithman Best Paper Award contribution (for 2014 & 2015)	\$50.00	\$150.00
Computer (Web hosting & software update)	\$50.00	\$0.00
Conservation Federation membership	\$200.00	\$211.00
Chapter Insurance	\$150.00	\$150.00
Postage, envelopes, stationary, printing, etc.	\$50.00	\$0.00
Freshwater Mussel Conservation Society Contribution	\$500.00	\$500.00
Paddlefish tag reward project - MDC	\$0.00	\$1,600.00
AFS Meeting - Portland Sponsorship	\$500.00	\$0.00
<b>Total Expenses</b>	<b>\$2,950.00</b>	<b>\$3,518.33</b>
<b>2015 Final</b>	<b>Budget</b>	<b>Actual</b>
<b>Income</b>	<b>\$3,530.00</b>	<b>\$4,712.74</b>
<b>Expenses</b>	<b>\$2,950.00</b>	<b>\$3,518.33</b>
<b>Net</b>	<b>\$580.00</b>	<b>\$1,194.41</b>
<b>Actual Account</b>	<b>1/1/2015</b>	<b>12/31/2015</b>
Checking Account	\$2,967.75	\$2,779.66
Savings Account	\$7,094.10	\$8,476.60
<b>Total</b>	<b>\$10,061.85</b>	<b>\$11,256.26</b>
<b>Net Difference</b>		<b>\$1,194.41</b>

<b>MOAFS 2016 Budget</b>		
<b>Income</b>	<b>2016 Budget</b>	<b>2016 Actual</b>
Outdoor Adventures Raffle	\$2,000.00	
MNRC 2016 Silent Auction	\$1,000.00	
Fundraiser Fish Pint Glasses	\$50.00	
Membership dues	\$400.00	
Lifetime Membership dues	\$0.00	
Membership dues and rebates from National	\$500.00	
Account dividends	\$30.00	
Other income (donations)	\$100.00	
<b>Total Income</b>	<b>\$4,080.00</b>	
<b>Expenses</b>		
MNRC Raffle and Supplies	\$50.00	
Anglers with Disabilities - equipment, fish , tackle, etc.	\$1,000.00	
2015 Chapter Awards	\$400.00	
Fenske award (did not contribute in 2015)	\$0.00	
A.S. Weithman Best Paper Award contribution	\$50.00	
Computer (Web hosting & software update)	\$50.00	
Conservation Federation membership	\$200.00	
Chapter Insurance	\$150.00	
Postage, envelopes, stationary, printing, etc.	\$50.00	
Undergraduate education initiative	\$500.00	
Missouri Conservation Federation Liaison	\$500.00	
<b>Total Expenses</b>	<b>\$2,950.00</b>	
<b>2015 Final</b>		
	<b>Budget</b>	
<b>Income</b>	<b>\$4,080.00</b>	
<b>Expenses</b>	<b>\$2,950.00</b>	
<b>Net</b>	<b>\$1,130.00</b>	

<b>MOAFS SSTF 2016 Budget</b>		
	<b>2016 Budget</b>	<b>2016 Actual</b>
<b>2015 Income</b>		
Unspent money over the \$100,000 minimum from 2014 budget	\$961.56	\$961.56
Money Market - interest	\$69.69	\$69.69
Share Certificate 1968 (\$12,500) - Matures 9/7/2016	\$0.00	\$0.00
Share Certificate 2381 (\$12,500) - Matures 11/15/2017	\$0.00	\$0.00
Share Certificate 1479 (\$12,500) - Matures 5/5/2018	\$0.00	\$0.00
Share Certificate 2382 (\$12,500) - Matures 11/15/2019	\$0.00	\$0.00
Checking 76 interest	\$43.31	\$43.31
Gun raffle income	\$2,300.00	\$2,300.00
Other income/donations	\$313.00	\$313.00
Transfer from MM Buffer to fund 2016 budget	\$1,500.00	\$1,500.00
<b>Total Income</b>	<b>\$5,187.56</b>	<b>\$5,187.56</b>
<b>2016 Expenses</b>		
Student Achievement Award (grad) + AFS membership	\$530.00	
MNRC Student Poster Award (MNRC registration, AFS & student unit membership)	\$67.00	
MNRC Student Paper Award (MNRC registration, AFS & student unit membership)	\$67.00	
<b>Specific Request Funding</b> (normally \$500 + \$1000 "extra")	<b>\$2,000.00</b>	
Duffy Award (for 2017 Midwest)	\$230.00	
2016 Student Colloquium contribution	\$400.00	
Future Professional Scholarship (Undergrad) + AFS membership	\$2,030.00	
<b>Total Expenses</b>	<b>\$5,324.00</b>	
<b>2015 Final</b>	<b>Budget</b>	<b>Actual</b>
<b>Income</b>	\$5,187.56	
<b>Expenses</b>	\$5,324.00	
<b>Net</b>	<b>-\$136.44</b>	

International Index Fund						
Date	Transaction	Amount	Share price	Shares transacted	Shares Owned	Value
3/31/2015			\$26.98		0	\$0.00
4/24/2015	Check purchase	\$11,250.00	\$28.61	393.219	393.219	
6/25/2015	Dividend (0.294)	\$115.61	\$27.80	4.159	397.378	
6/30/2015	2nd quarter balance		\$27.04		397.378	\$10,745.10
9/24/2015	Dividend (0.121)	\$48.08	\$23.59	2.038	399.416	
9/30/2015	3rd quarter balance		\$23.78		399.416	\$9,498.11
12/18/2015	Dividend (0.189)	\$75.49	\$23.87	3.163	402.579	
12/31/2015	4th quarter balance		\$24.24		402.579	\$9,758.51

Total Stock Market Index Fund						
Date	Transaction	Amount	Share price	Shares transacted	Shares Owned	Value
3/31/2015			\$52.28		0	\$0.00
4/24/2015	Check purchase	\$33,750.00	\$53.46	631.313	631.313	
6/25/2015	Dividend (0.228)	\$143.94	\$53.08	2.712	634.025	
6/30/2015	2nd quarter balance		\$52.10		634.025	\$33,032.70
9/24/2015	Dividend (0.247)	\$156.60	\$48.56	3.225	637.25	
9/30/2015	3rd quarter balance		\$48.07		637.25	\$30,632.61
12/18/2015	Dividend (0.283)	\$180.34	\$49.83	3.619	640.869	
12/31/2015			\$50.79		640.869	\$32,549.74

**UNDERGRADUATE EDUCATION INITIATIVE SUMMARY**

Our long term vision is to, as MOAFS, advocate for improved fisheries education in the state. This effort began with our noting that Universities in Missouri, dealing with lack of funds, flagging legislative support, fewer permanent faculty facing increasing enrollment, and changing priorities of university leadership, are struggling to or simply cannot provide a complete and comprehensive fisheries curriculum to the state’s undergraduate fisheries students. This constitutes a crisis for the future of fisheries work in Missouri and our chapter that we may be able to address and highlight as an organization.

But this needed to be verified with a statewide assessment of undergraduate education in fisheries. The ad hoc-committee, led by Mike Kruse, investigated what courses and educational experiences our students most need in Missouri. This is mainly a “fact finding” mission to determine, first of all, what classes are “on the books” at Missouri State Universities, whether they are frequently offered, and whether permanent or temporary faculty are in charge of their instruction. Kruse sent out an inquiry to all state institutions.

Our guide for classes that fit well within the fisheries discipline came from the Certification requirements of the American Fisheries Society. The following is a summary of the committee’s primary findings – these should be considered preliminary. If any see any factual errors here, please let the MOAFS ExCom know – before anything official comes from MOAFS – like a white paper – everything will be verified with the universities that responded.

<b>State University</b>	<b>Fisheries Courses</b>	<b>Other Relevant Biological Courses</b>	<b>Experiential Learning</b>
University of Missouri	12	26	Available
Missouri State University	9	42	n/a
Southeast Missouri State University	9 (primarily marine)	n/a	Available
University of Central Missouri	3	38	Available
Missouri University of Science and Technology	1	16	Required and emphasized
Culver Stockton College	0	9	Required and emphasized

University of Missouri Kansas City offers one Marine and Freshwater Biology Course (1 sole instructor)

\*\*\*

This may be considered a relatively healthy assessment until we look at the slide regarding permanent staff available to teach these courses. Staff are extremely limited; the University of Missouri presently has only one full time faculty teaching undergraduate fisheries courses; UM depends on adjuncts to teach core classes in the program. Missouri State University has a much healthier faculty population at 4, and SEMO and University of Central Missouri have 2 and 1 faculty member, respectively, championing aquatics and fisheries teaching at their university. There is little to no coordination that we know of among these universities to bolster their programs, such as distance-delivered courses.

The committee will provide Greg with the details of this assessment for the next phase of our initiative, to identify where and what the needs are of students in fisheries and how these can be supplemented by MOAFS. However, workshops and short courses would be merely stop-gap measures; what the committee wants to provide is a factual basis for advocacy for strengthening and expanding permanent university programs in fisheries.



Members of the ExCom attended the second annual Affiliate Summit of the Conservation Federation of Missouri on September 17-18. At that meeting, Greg Pitchford and Amanda Rosenberger placed undergraduate and higher education in natural resources on the organization's radar. The CFM is very interested in any information and guidance we can provide regarding what is needed by the state so they can effectively present the problem to our state legislature. Further, this information will be useful for university administrators seeking to bolster or expand their existing programs in fisheries, whether they be speaking to university administrators, or private donors with an interest in supporting university efforts.

In short, a few action items are indicated.

# Current State of Undergraduate Education in Fisheries in Missouri

Mike Kruse

## Source of Information

- Faculty who responded to Mike Kruse's request
- Website searches
- Interviews with undergraduate students at student events

## Undergraduate Programs

State University	Fisheries Courses	Other Relevant Biological Courses	Experiential Learning
University of Missouri	4 (12 listed)	26	Available
Missouri State University	9	42	n/a
Southeast Missouri State University	9 (primarily marine)	n/a	Available
University of Central Missouri	3	18	Available
Missouri University of Science and Technology	3	16	Required and emphasized
Warner Stockton College	0	9	Required and emphasized
UMKC - offers one Marine and Freshwater Biology Course			
Lincoln - offers courses and experiential learning opportunities in aquaculture/animal science/ husbandry			



## Faculty Strength



University	Degree	Faculty (Full time/tenure track	adjunct
University of Missouri	Fisheries and Wildlife Sciences	1 (0)	3
Missouri State University	Wildlife Biology/conservation	4	0
Southeast Missouri State University	Marine Biology	2	0
University of Central Missouri	Wildlife and Natural Resources Conservation	1	0




### Student feedback - Programs

- Lincoln University – Very satisfied with experience in Aquaculture
- Missouri State – Satisfied, courses offered regularly and dependably. Some problems with time overlap of wildlife courses for those students who want strengths in both fields.
- University of Missouri – Dissatisfied. Classes not available regularly or dependably. Felt misled by variety of classes on the books that are not taught. "Staff" as faculty listing means they don't know who is teaching. Techniques course outdated. Ich and Fish Ecology overlap in content.

### Student Training Requests

- Methods Methods Methods – modern techniques (field and lab)
  - Scientific and Practical techniques
- Water Quality Assessment
- Professional Development
  - How to build a career (not personal anecdotes, but comprehensive advice)

## Employer Training Requests

- Human Dimensions!!
  - Interpersonal skills, conflict resolution
  - Law and Policy
- Techniques
  - Certification, basic skills (motorboat operating/ repair)
- Communication
  - Writing ability
  - Oral presentations/ interactions
- Professional Development
  - Time Management
  - Networking skills
  - Interview skills

## Action Items

- Detailed White Paper
  - Provide to other societies with interest in undergraduate education
- Organize short courses and workshops for MO students
  - Consider scholarship/ travel support/ on-location courses
- Work with CFM, University leaders, and donors
  - Push for fisheries program expansion
  - Provide greater coordination among programs
  - Push for new initiatives to better prepare students

**MNRC STEERING COMMITTEE (last updated 2/22/2016)**

	<b>Chair 4<sup>th</sup> year</b>	<b>Vice Chair 3<sup>rd</sup> year</b>	<b>Secretary 2<sup>nd</sup> year</b>	<b>Member 1<sup>st</sup> year</b>
<b>Chair Title</b>	<b>SWCS 2017</b>	<b>AFS 2018</b>	<b>TWS 2019</b>	<b>SAF 2020</b>
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<b>Chair Title</b>	<b>SWCS 2017</b>	<b>AFS 2018</b>	<b>TWS 2019</b>	<b>SAF 2020</b>
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