

Mainstream

President's Message by Vince Travnichek



“Practice What You Preach” and “Lead by Example”. These are two axioms that I have tried to follow throughout my life. Folks here in Missouri have heard me use the term GOYA on more than one occasion. The acronym is from my father’s WW II tank destroyer battalion, and it stands for Get Off Your @\$\$. I challenge each of you to do one thing for the Society in the upcoming year beyond just attending your Chapter meeting, but I’m glad you are doing that! I ask that you consider becoming more involved in your Chapter, our Division, and our Society by volunteering for a committee, running for an officer position, donating some time for a local Chapter event, mentoring a young professional, donating an item to your local raffle committee to help in fund raising, open your wallet and buy some raffle tickets, or bid up an auction item. I’ll be honest; my AFS efforts often look like crappie population dynamics with boom and

bust trends. However, I am trying to do a better job myself in trying to be a better member for our Society.

Speaking of members... I was reading a newsletter from the Outdoor Writers Association of America. Their newsletter had an article on the value of membership in their organization, an issue with almost any organization. How do we make AFS so attractive to potential members that they can’t say no to us? This was also a question that arose at the AFS Governing Board meeting recently in Quebec City. Thus, AFS is beginning to conduct a survey of members and non-members to get their opinions towards AFS, membership, and reasons why some people are a member of a Chapter, but not the Society. If you receive a survey, please fill it out (GOYA), and I encourage you to send it to a potential member so we can get their opinions (GOYA). I also have copied the link to the survey here, so feel free to take it now and pass it along (GOYA)!

[WE STILL WANT TO HEAR FROM YOU....](#)

[please take a moment to take the Membership Survey!](#)

We have a unique situation (I think) in Missouri where we have numerous members of the Society, but they are not Chapter members and do not participate in Chapter activities. Why is that? Clearly they see value in AFS membership, or they wouldn’t be part of this group. I wonder about how to engage these folks and get them interested or re-interested in our Chapter? Maybe they do not like me saying GOYA? Any other Chapters have a similar situation or thoughts on the subject??

While the AFS Governing Board is interested in boosting membership, I am more interested in boosting active members. We are in AFS together; the more of us that get onboard as active members, serving on committees, etc., the better we will all become, and the stronger our organization will become. Former NCD President, Chris Guy, shared a poem 25 years ago in a Fish Management Section newsletter, and I have shared it with others several times since...

This newsletter is published twice a year. Deadlines for submission are April and September 1st. The views and opinions expressed herein are not necessarily those of the NCD.

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President's Message (continued)

WHAT'S IN IT FOR ME?

Edgar A. Guest

We fancied he'd share in our cause. Instead,
 "There is nothing in it for me!" he said.
 He passed up pity and play and mirth
 And counted his time to the penny's worth.
 Ask for his help, and this would be
 His answer: "What is there in it for me?"

Nothing it meant if you said: "In this
 Perhaps is friendship you'll some day miss,
 Here is a task that won't pay in gold,
 But will leave you prouder when you grow old.
 Though nothing for this will your purse collect,
 It will pay you richly in self-respect."

"What is there in it for me?" he said.
 We mentioned pride, but he shook his head.
 "The joy of giving," he flicked his hand-
 That he could never understand.
 And he found when life's last far bend was turned
 That money was all that he had ever earned.

We are not in AFS, or the field of natural resources, for monetary gain. We are in it for conserving the environment, promoting healthy ecosystems, educating the public, and/or promoting our fishing heritage to future anglers. If I missed "What's in it for you?" I apologize. However, related to our Society, you have found something in it for you, or you would not be a member and reading this newsletter. We need to find out what is in it for those we are not reaching. If you have thoughts, give me a shout. GOYA!

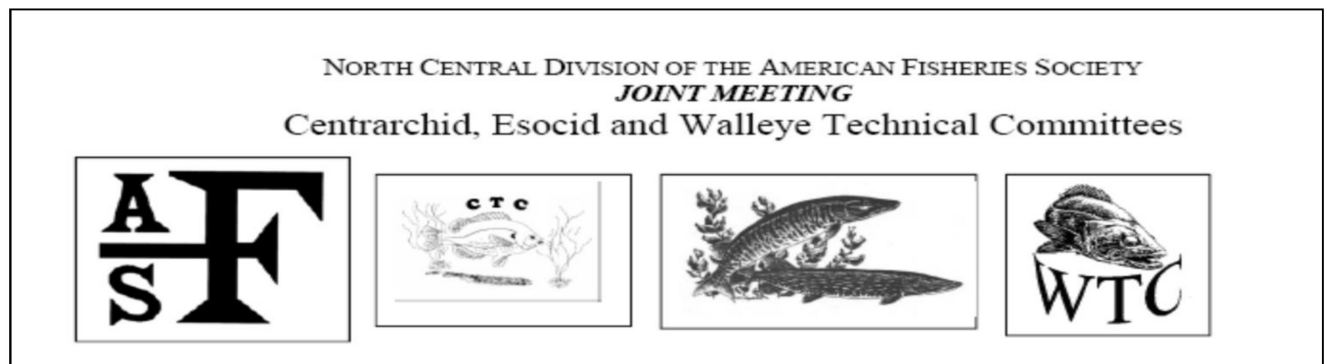
Later - VT

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 St Joseph, MO 64507
 (816) 271-3100
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COMMITTEE REPORTS

Centrarchid, Esocid, and Walleye Technical Committees

There was a Joint Summer Meeting of the Centrarchid, Esocid, and Walleye Technical Committees this past July 22-24, 2014, in La Crosse, Wisconsin.



2014 Joint Summer Meeting of the Centrarchid, Esocid, and Walleye Technical Committees- North Central Division of the American Fisheries Society

Walleye Technical Committee by Hilary Meyer

The Walleye Technical Committee met jointly with the Centrarchid and Esocid technical committees in LaCrosse, Wisconsin July 23rd and 24th. We had a total of 36 people attend, and 12 technical papers were presented. This year, papers were

focused on walleye early life history. For complete business meeting minutes, please see our website: <http://www.ncd-afs.org/Default.asp?mid=23&sid=33>. The winter 2015 business meeting will be held in conjunction with the Midwest Fish and

Wildlife Conference in Indianapolis, Indiana in February, and the summer joint technical committee meeting will be held in July 2015 in Brookings, South Dakota. Randy Schultz of the Iowa DNR is the new chair-elect for 2015.

Membership Committee by Doug Workman

The membership of the North Central Division is comprised of members of good standing in the following states and provinces: Alberta, Illinois, Indiana, Iowa, Kansas, Manitoba, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Northwest Territories, Ohio, Ontario, Saskatchewan, South Dakota, and Wisconsin. Membership of the North Central Division decreased for a second year by a total of 254 members from 2013 to 2014 (decreased by 219 members from 2012 to 2013). Regular membership accounted for the largest reduction, with a total reduction of 258 members, followed by young professionals (32 members). Student membership grew by a total of 13 members from 2013 to 2014.

Province/State	Life	Regular	Retired	Student	Young Professional	Total Number
Alberta	5	40	1	3	8	57
Iowa	13	24	3	6	2	48
Illinois	16	46	10	37	17	126
Indiana	10	27	1	18	4	60
Kansas	3	16	3	16	2	40
Manitoba	1	15		4		20
Michigan	26	89	17	62	18	212
Minnesota	23	60	5	45	16	149
Missouri	17	44	4	24	9	98
North Dakota	4	2		5	1	12
Nebraska	5	11	1	12	2	31
Northwest Territories		2				2
Ohio	11	26	5	26	7	75
Ontario	10	95	8	44	17	174
South Dakota	2	16	2	19	3	42
Saskatchewan	1	14		3		18
Wisconsin	20	48	8	25	13	114
Total by Type	167	575	68	349	119	1278

Summary of members by location. Data source: AFS July 31, 2014.

UPCOMING EVENTS



Save the Date!

We hope you'll join us for the 75th Midwest Fish & Wildlife Conference - Natural Resource Management in an Increasingly Connected World, February 8-11, 2015 at the Hyatt Regency Indianapolis, Indiana. The annual conference attracts over 800 biologists and students from state, federal and tribal natural resource agencies across the 13 Midwestern states. Highlights include: over 400 technical talks, poster displays, plenary sessions, networking opportunities and social events.

Register at <http://midwestfw.org/html/registration.shtml>

Workshops Recently Announced! (by Melisa Wuellner)

Are you looking to improve your human dimensions knowledge and are attending this year's Midwest Fish and Wildlife Annual Conference in Indianapolis? If so, we invite you to **enroll in one or both of our continuing education workshops to be held on February 8, 2015.** From 8:00 am until 12:00 pm, Dr. Larry Gigliotti of the South Dakota Cooperative Wildlife and Fisheries Research Unit will teach a course on public involvement. Dr. Gigliotti has extensive experience in this area from

his previous position as the Human Dimensions Specialist for the South Dakota Department of Game, Fish and Parks. If you or members of your agency are looking for ways to engage stakeholders, this is the workshop for you!

In the afternoon from 1:00 until 5:00 pm, join Dr. Cindy Longmire, the Human Dimensions Specialist for the South Dakota Department of Game, Fish and Parks will instruct a half-day course on developing and delivering online surveys. Dr. Longmire will introduce some commonly used tools and provide ideas for you and your agency to consider as you survey stakeholders via the internet.

More details on these workshops will be posted in the coming weeks on the Midwest Fish and Wildlife Annual Conference website (<http://www.midwestfw.org/>). We're working on providing special discounts to university students and those who enroll in both workshops for the same day.

Hope to see you in Indianapolis in February!

The NCD Continuing Education Committee

Using Acoustic Tags to Track Fish – 5-6 February 2015 - 9:00 am to 5:00 pm

Attend Online or On-Site at University of Washington School of Aquatic Fishery Sciences, Seattle, WA
http://www.HTIsonar.com/at_short_course.htm

This course addresses all aspects of tracking fish movement with acoustic tags, including three-dimensional tracking with sub-meter resolution. It includes hands-on-operation and a variety of fish monitoring applications are covered. Lunch is provided for on-site students. Reserve a seat or ask a question at support@HTIsonar.com. Tuition Rate Offer (50% discount) for university students, university staff, non-profit and tribal organizations. http://www.htisonar.com/Training_Special_Offer.htm

Using Hydroacoustics for Fisheries Assessment – 12-13 February 2015 - 9:00 am to 5:00 pm

Attend Online or On-Site at University of Washington School of Aquatic Fishery Sciences, Seattle, WA
http://www.HTIsonar.com/ha_short_course.htm

This course covers mobile and fixed-location hydroacoustic survey techniques, including basic hydroacoustic theory, deployment logistics, data collection and processing, as well as typical results. Split-beam, single-beam, and multi-beam frequency techniques are discussed in detail. Lunch provided for on-site students. Reserve a seat or ask a question at support@HTIsonar.com. Tuition Rate Offer (50% discount) for university students, university staff, non-profit and tribal organizations. http://www.htisonar.com/Training_Special_Offer.htm

Upcoming Events (continued)



Conference Announcement (by Sarah MacLean)

A 2.5-day Summit at UC Berkeley March 25-27, 2015 convening natural and social scientists, managers and practitioners -- 100 years after historic meetings at UC Berkeley helped launch the National Park Service -- to rededicate a second century of science and stewardship for national parks. This summit will feature visionary plenary lectures, strategic panel discussions on current controversies, and technical sessions of contributed papers and posters. Abstract submission deadline is 1 November 2014. For information, see <http://www.xcdsystem.com/parksforscience>

Keynote Plenary Speaker: E. O. Wilson.

Distinguished Plenary Speakers and Panelists: David Ackerly, Jill Baron, Steven Beissinger, Joel Berger, Ruth DeFries, Thomas Dietz, Josh Donlan, Holly Doremus, Ernesto Enkerlin, Carolyn Finney, David Graber, Denis Galvin, Jane Lubchenco, Gary Machlis, George Miller, Hugh Possingham, Jedediah Purdy, Nina Roberts, Mark Schwartz, Daniel Simberloff, Monica Turner, & Jennifer Wolch

CHAPTER & STUDENT SUBUNIT REPORTS

Missouri Chapter by Michael Smith

The Missouri Chapter was selected as the recipient of the American Fisheries Society 2014 Outstanding Chapter Award. The award recognizes outstanding professionalism, active resource protection, and enhancement programs, as well as a strong commitment to the mission of the Society. The Missouri Chapter was selected in recognition of providing unique opportunities for individuals who are physically challenged, developing and holding multiple workshops to improve member performance, providing significant funding for member recognition and student travel, and having a highlighted presence at the Missouri legislature. The award was presented at the AFS Annual Meeting in Québec City, Québec, during the Business Meeting.



AFS President Bob Hughes (left) presents MOAFS President Mike Smith (right) the Outstanding Chapter Award at the AFS 2014 Annual Meeting in Québec.

Student Support Fund Raiser

The Missouri Chapter is currently raising funds for student support. The goal is to raise \$7,000 to \$10,000 by 2015 in order to promote educational and professional aquatic Science opportunities for our future fisheries professionals. Funding will be used to provide scholarships, recognitions and

travel awards to deserving students.



A donation of \$50 provides a chance at winning one of 23 Sage Fly Rods (Sage Method Elite (\$1325 retail), Sage Method (\$800 retail), Sage One (\$700 retail), and Sage TLX-F (\$625 retail)) or one of 8 guided fishing trips ((\$325/day) from some of the best trout guides in Missouri). We will only be selling 620 raffle tickets. Drawings will be held daily during the month of December providing multiple opportunities to win. Participation can be done electronically. For details, including the raffle prize calendar, see the link on the MOAFS website www.moafs.org (click on "23 Sage Fly Rods or 8 Guided Fish Trips" by scrolling down on the webpage).





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Missouri Chapter (continued)

Missouri Chapter of the American Fisheries Society

Student Support Fundraiser

\$50 Calendars can be purchased at: www.moafs.org **\$50**

December 2014						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 Sage Fly Rod One Series Retail \$775-\$795	2 Sage Fly Rod VXP Series Retail \$485-\$525	3 Sage Fly Rod Response Series Retail \$395	4 Sage Fly Rod VXP Series Retail \$485-\$525	5 Sage Fly Rod Bass II Series Retail \$550	6 Guided Fly Fishing Trip Eleven Point Canoe Rental 1 full day
7 Guided Fly Fishing Trip Chartered Waters Lake Taneycomo 3/4 day	8 Sage Fly Rod Approach Series Retail \$295	9 Sage Fly Rod Response Series Retail \$395	10 Sage Fly Rod Method Series Retail \$800-\$820	11 Sage Fly Rod Bass II Series Retail \$550	12 Sage Fly Rod Response Series Retail \$395	13 Guided Fly Fishing Trip Longboat Outfitters River of your choice 1 full day
14 Guided Fly Fishing Trip Lilley's Landing Lake Taneycomo 1 full day	15 Sage Fly Rod Response Series Retail \$395	16 Sage Fly Rod VXP Series Retail \$485-\$525	17 Sage Fly Rod VXP Series Retail \$485-\$525	18 Sage Fly Rod Response Series Retail \$395	19 Sage Fly Rod TLX-F Series Retail \$625	20 Guided Fly Fishing Trip Chartered Waters Lake Taneycomo 3/4 day
21 Guided Fly Fishing Trip Eleven Point Canoe Rental 1 full day	22 Sage Fly Rod Bass II Series Retail \$550	23 Sage Fly Rod Response Series Retail \$395	24 Sage Fly Rod VXP Series Retail \$485-\$525	25 Sage Method Elite Series Retail \$1325	26 Sage Fly Rod Bass II Series Retail \$550	27 Guided Fly Fishing Trip Longboat Outfitters River of your choice 1 full day
28 Guided Fly Fishing Trip Lilley's Landing Lake Taneycomo 1 full day	29 Sage Fly Rod Approach Series Retail \$295	30 Sage Fly Rod Bass II Series Retail \$550	31 Sage Fly Rod Circa Series Retail \$775			

Sponsored by:  

Anglers with Disabilities – Third Annual Day at the Trout Park

You never know what kind of weather you'll have or how well the anglers will do at a MOAFS Anglers with Disabilities Committee event, but you do know that there will be lots of good natured-banter and joking. There are usually quite a few hugs and lots of smiles to be had also. You can come in a bad mood but you will leave with a light spirit and a smile on your face after this day of fishing. This year, at our third annual event the weather cooperated and decided not to try to drown us—it was a gorgeous sunny day. It was not too hot or too cold and not a rain drop in site. It was a Goldilocks Day—it was just right.

Preparation before the event was needed and Meramec Spring Hatchery staff stocked extra fish and reserved the pavilion. Arrangements were made with The James Foundation for free parking for the anglers inside the park.

It started off slow but eventually we had a full bank of 51 folks catching

over 50 fish. The trout were stocked and hungry and the anglers were ready to go fish. It was a great combination—a spring full of trout just waiting to be kissed, photographed and released back into the cold water. Participants usually just fish half a day; down a couple of hotdogs and have to make the return journey home. But this day was different. The announcement went around that there would be fishing after lunch. The rejoicing began. These anglers may not get to fish but once a year at Meramec Spring Trout Park, but they have learned the fine skill of enticing those trout onto the hook and into the net. You don't have to worry about knowing who just caught a fish. All you have to do is listen for the whoops and hollers and be close enough for a high five or a hug. This year most everyone caught a fish and there



Wes Swee (left) & Dawn Connor-Williams (center) assist anglers with their catch

were smiles all around. This annual event gives folks with disabilities the opportunity to fish. For those of us who are not disabled, fishing is a simple activity we take for granted. But for folks who may need some help because of a disability, this annual event was especially planned out for them.

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Missouri Chapter (continued)



MOAFS Student Achievement Award winner and NCD Fenske Award finalist, Ryan Hupfeld (left), receives his award and check from Past President Jason Persinger (right)



MOAFS Duffy Travel Award winner & NCD Fenske Award finalist Nick Sievert (left) & NCD Fenske Award winner Emily Pherigo (right)

MOAFS Student Support Committee Recognizes Award Winners

The MOAFS Student Support Committee was busy these last few months with recognizing several award winners:

- 2014 Student Achievement Award Scholarship - Ryan Hupfeld (SEMO)
- 2014 Best Student Aquatic Poster Presentation at the MNRC – Leslie Crawford (MU)
- 2014 Best Student Aquatic Platform Presentation at the MNRC Emily Pherigo (MU)
- CFM Scholarship – Ed Stegner Award – Valerie Jones
- CFM Scholarship – Carl Morrow Award – Emily Pherigo

Missouri students were also recognized by the following awards:

- 2014 Duffy Travel Award – Nick Sievert (MU)
- NCD Fenske Memorial Award – Emily Pherigo (First MO student to win this award.)

In addition, the committee assisted UCM students with their costs to travel to Missouri Natural Resources Conference.

Missouri State University Subunit

This year the Missouri State University student subunit was much more active than it had been in the past. Students were able to have hands on experiences that are essential to anyone wanting to go into the fisheries field. In addition to hands on and field experiences, the subunit hosted a guest speaker each semester to discuss topics not normally addressed in class. Topics included muskie management in Missouri and global marine fisheries conservation. The highlight of the year was a hatchery field trip, where students got hands on



Missouri State University student subunit members at the Stream Team cleanup event on Wilson's Creek

experience spawning walleye at Chesapeake Warm Water Hatchery. Another field trip allowed students to take part in a stream sample at Terrell Creek, part of Wilson's Creek National Battlefield, where fish were collected via seining, identified, and counted. The subunit's final event of the year was a stream cleanup at Wilson's Creek. This took place as part of National

Park Day. Many volunteers were present and the subunit collected an enormous amount of trash. Students later celebrated a successful year with a cookout at the Battlefield. They look forward to an even more successful year next year.

Wisconsin Chapter by Mike Seider

The 44th annual meeting of the Wisconsin Chapter of the American Fisheries Society will be held February 24-26, 2015, at the Plaza Hotel and Suites in Eau Claire, WI.

More details on registration and call for abstracts can be found on the website: <http://www.wi-afs.org/>

NEWS AND ANNOUNCEMENTS

Membership Survey by Doug Workman

The AFS membership committee has been soliciting participation in a membership survey (it's quick and easy to complete). In addition to members, we are also interested in getting participation from non-members with experience/interest related to the fisheries profession. Please use the following link provided in this communication to complete the survey if you haven't done so yet, or pass it along to people/colleagues you know who may not be AFS members, but are affiliated with the fisheries profession and may be willing to complete the survey. Thanks

AFS membership survey: <https://www.surveymonkey.com/s/7WG2YBS>

Other Items:

- There are still ten copies of the [Proceedings of The International Pike Symposium: Merging Knowledge of Ecology, Biology and Management for a Circumpolar Species](#) available at a cost of \$15 in the US. Please contact Dave Kittaka if you are interested.
- If your chapter is interested in raffling or donating the book during one of your meetings please contact Dave Kittaka

Extension to Submit Applications for the NCD Awards for 2015! by Melissa Wuellner

The deadline for award applications for the upcoming 2015 Midwest Fish and Wildlife Meeting in Indianapolis has been extended to Friday, December 5 by 5:00 pm Central Time. We are seeking nominations for the following awards:

- *Most Active Large Chapter*
- *Most Active Small Chapter*
- *Most Active Student Subunit*
- *Best Communications awards*
- *Meritorious Service*
- *Fisheries Excellence awards*

Each award is fully described below and the application directions can be found on our NCD website at <http://www.ncd-afs.org/Default.asp?mid=0&sid=47>

Nomination materials should be sent to:

NCD President-Elect
[Melissa Wuellner](mailto:Melissa.Wuellner@sdstate.edu)
South Dakota State University
Natural Resource Management-Box 2140B
Brookings, SD 57007
605-688-5963
Melissa.Wuellner@sdstate.edu

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Extension to Submit Applications for the NCD Awards for 2015! (continued)

Most Active Chapter Awards

Two awards (Large and Small Chapters) will be given to the North Central Division Chapters that have carried out the most active programs of enhancing professionalism and fisheries science, relative to its size and the geographic distribution of its membership. Large Chapters include Illinois, Mid-Canada, Michigan, Minnesota, Missouri, Ohio, Ontario, and Wisconsin; small Chapters include Dakota, Indiana, Iowa, Kansas, and Nebraska. Most often, members will nominate their own chapter. Nomination materials should include the number of members, names of officers, number and type of meetings, special activities, recruitment activities, and a brief (1 page) description of what makes this chapter an active and important contributor to the NCD, AFS, and fisheries profession. Additional materials of support may also be included.

Most Active Student Subunit Award

This award will be given to the North Central Division student subunit that has carried out the most active program in developing interest among undergraduate and graduate students in fisheries science and fulfilling the mission of the American Fisheries Society. Most often members will nominate their own subunit.

Best Communications Award

This award will be given to the North Central Division Chapter that has developed the most efficient, useful, and attractive newsletter and website to disseminate information to its members. Both printed and electronic newsletters will be considered. Submissions should include copies of two or three of the Chapter's most

recent newsletters and a brief description of the newsletter, including frequency of publication, readership, and primary means of distribution.

Fisheries Excellence Award

This award will be given to a North Central Division member who has made an outstanding contribution to the fisheries profession. This contribution may be a single activity or a collection of achievements over the individual's career. Former Division members may be nominated if most of their work occurred while they were NCD members. Nominations should include the names and signatures of at least 2 nominators, a brief (1 page) biographical sketch of the nominee, a brief (1 page) narrative of significant contributions made by the nominee, and copies of any additional materials to support the application.

Meritorious Service Award

This award will recognize extraordinary service to the AFS by a NCD member. Nominations may be based on a single outstanding achievement or a variety of service activities, and may include the Chapter, Division, Section or Parent Society level. In the nomination, evidence must be presented that this service has gone beyond the routine and that it has made a genuine and lasting contribution to the betterment of the Society. Nominations should include the names and signatures of at least 2 nominators, a brief (1 page) biographical sketch, a brief (1 page) narrative of significant contributions made by the nominee, and copies of any additional materials to support the application.

NCD Award Recipients—2013 by Vince Travnichek

Most Active Student Unit

The Most Active Student Unit goes to Southern Illinois University. SIU-Carbondale members have an active role in the American Fisheries Society. Examples include serving as Editor of the Physiology Section of AFS Newsletter; serving as the student liaison for the AFS Fish Culture Section; and serving as Editor of the Illinois AFS Newsletter. One of the most consistent programs the subunit is involved in is the Illinois DNR urban fishing program. This past summer, the subunit provided fishing equipment, and members donated their time (usually 2-3 days a week) from May thru July

educating youth about fishing. Another great program the subunit is involved in is Fish U. This year members volunteered by providing tours and heading up various fisheries related activities (including canoeing, electro-fishing, fish identification, and a family fish fry) at a kids camp lasting a week at the Touch of Nature Environmental Center, an outdoor research, educational, and recreational preserve. Other outreach events include working with the Saluki Bassers, a campus fishing club, and participating in Cape Girardeau's Day on the River. They also hosted a booth at the Southern Illinois Hunting and Fishing Days.

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NCD Award Recipients—2013 (continued)

Most Active Student Unit (continued)

This event promotes hunting and fishing in the Southern Illinois region and brings in over 30,000 people. The Subunit also participated in an applied aquaculture research effort raising Hybrid Striped Bass and Freshwater Prawns. Once the data were collected from rearing ponds, the fish and prawns were sold in local markets to support student travel grants and buy new equipment. Additionally, it provides aquaculture training in rearing, harvesting, and marketing of aquaculture species, as well as additional research experience for the students. The goal of the Southern Illinois University subunit is to stand out as an active group not only within the university, but throughout the local community and beyond. They have succeeded. So please help us recognize Southern Illinois University as our recipient of this year's Most Active Student Subunit.

Most Active Chapter (Large Membership)

The Minnesota Chapter was selected as our Most Active Chapter (Large Membership). They held two Continuing Education Workshops; one on Age and Growth of fishes and the other on Fisheries Statistics Using "R". The Chapter also assisted on judging science fair projects at both regional and state levels. The Chapter also provides discounted student membership fees, student scholarships, best student poster and paper awards, and recruits retired agency employees to serve on Chapter committees. The Chapter's annual meeting consisted of technical sessions with 45 oral presentations and 18 posters; and was attended by 115 professionals and 38 students. As an outreach to other conservation professionals they invited members of the Minnesota chapters of The Wildlife Society, The Society for Conservation Biology, and the Society for American Foresters. Support of student attendance at the annual meeting was provided by offering discounted student registration fees and the awarding of 3 student scholarships that included full funding for meeting attendance. Communication of Chapter activities was enhanced this year by the addition of a Facebook page and Twitter account. Additional outreach by the Chapter was provided by awarding Chapter funded prizes to students with outstanding fisheries or aquatics themed science fair projects. The Minnesota Chapter advocates for environmental stewardship at the state level through membership in the Fish and Wildlife Legislative Alliance

(with 2 Chapter representatives directly advocating for aquatics issues) and the Minnesota Conservation Federation. The Chapter also co-sponsors the Lake-Friendly Development Awards to reward lakeshore property owners who build responsibly on their lake-front property in central Minnesota. At the national level, the Chapter signed a letter of support for H.R. 996 the Invasive Fish and Wildlife Prevention Act and its companion bill in the Senate S. 1153. The Chapter also financially supports AFS activities such as the Hutton Junior Fisheries Biologist Program, the Equal Opportunities Section Travel Award, and the Southern Division for publication of the proceedings of a recent bass symposium. Please help me recognize the Minnesota Chapter as the Most Active Chapter (Large Membership).

Most Active Chapter (Small Membership)

The Kansas Chapter of the American Fisheries Society was selected to receive the award for Most Active Chapter (Small Membership). The most notable accomplishment of the Kansas Chapter during the past year was hosting the 73rd Midwest Fish and Wildlife Conference in Wichita, Kansas. Members of Chapter served as chair on 11 of 16 committees that coordinated and executed the conference. The Kansas Chapter of AFS also extends promotes professional development of student membership. The Chapter annually sponsors student travel to regional and international meetings including the Midwest Fish and Wildlife Conference and the Annual Meeting of the American Fisheries Society. Student travel award applications are processed by the KSAFS Scholarship Committee. The Kansas State University Student Subunit of AFS has also served in an active role of the Kansas Chapter. The Student Subunit has worked with Kansas Department of Wildlife, Parks, and Tourism to conduct annual sampling and develop management plans for Tuttle Creek River Pond. Other subunit activities include assessing fish community structure in Campus Creek and holding monthly meetings, each featuring a guest speaker from the fisheries profession. The subunit has also been instrumental assisting with the Midwest Fisheries Student Colloquium. The Kansas Chapter has financially sponsored the Kansas Wildlife Federation's Water Conservationist award, and also provided funding last year to the Arkansas Chapter for hosting the AFS Annual Meeting in Little Rock. The Chapter annually awards the best professional

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NCD Award Recipients—2013 (continued)

Most Active Chapter (Small Membership) (continued)

fisheries presentation and best student fisheries presentation at the Kansas Natural Resources Conference. Finally, Kansas Chapter members serve as leaders in the NCD as well as the parent society in roles such as the NCD secretary-treasurer since 2009, Fisheries Administration Section president since 2011, associate editor for North American Journal of Fisheries Management since 2012, and science editor for Fisheries magazine since 2013. In closing, the Kansas Chapter might be small in number, but its membership is committed to stewardship of their freshwater natural resources. Please help me in recognizing the Kansas Chapter as the Most Active Chapter (Small Membership).

Best Communications Award

The Indiana Chapter was selected to receive the North Central Division's Best Communications Award. The Indiana Chapter provides a variety of communication venues. Their newsletter is published electronically three times a year. The newsletter is used to disseminate pertinent information to the membership, including the president's message, upcoming meetings and events, chapter business meeting minutes and news, continuing education opportunities, committee updates, news stories relevant to fisheries professionals (local, national and international), updates from student subunits, and serves as a forum where members can share information about current work/research they are involved in. A section entitled "Catch of the

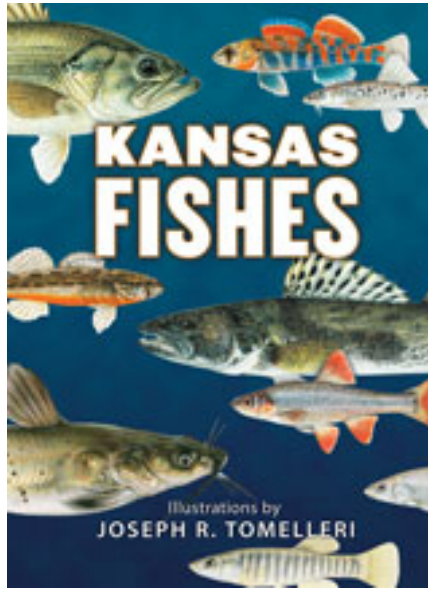
Day" highlights recreational fishing by the members or their family members. This column adds a fun aspect to the newsletter that ties us all back to what we go to work for every day. Another section, "Who's that Author", is for members to submit publications to share with the membership. These publications can be from peer reviewed journals, books, or pertinent agency reports. The Chapter also has an email listserve that passes along pertinent information to the chapter members including upcoming events, news stories, job opportunities, workshop/conference registration, and any other information that may be useful to the membership. Typically, members receive a weekly update. This update is used as a way to distribute information between newsletter issues. The Indiana Chapter also maintains a Chapter Webpage that provides relevant chapter news and information, award information, fisheries links, local fisheries job openings, an online membership directory, member photo gallery, and a section to show our appreciation to our valued sustaining members. The website is set up to allow for annual meeting abstract submissions, sponsor donations, and individual and corporate registrations. Additionally, the website continues to allow members to renew or join Indiana AFS online. Finally, links to Indiana AFS's Facebook and Twitter pages are displayed on the home page. Facebook has proven to be a useful tool to communicate with membership and Twitter is used as a tool to network among various organizations. Please help me congratulate the Indiana Chapter for receiving our Best Communications Award.

MEMBERS FORUM

Kansas Chapter Participates in Publication of *Kansas Fishes* by Eric Johnson

In July 2014, the University Press of Kansas released the book *Kansas Fishes*, the first new reference on the fauna since 1995. Organized by an 11-person committee of ichthyologists in the state, more than 40 additional authors also contributed species accounts.

Of the 144 species of fish in Kansas, about 120 are native, either as residents or visitors, although several are now extinct in the state or listed as threatened or endangered species. Information on all of these species is presented in a style intended to reach a broad audience that includes fisheries biologists, anglers, students, and others interested in the state's aquatic resources. Introductory chapters summarize basic fish anatomy and physiology, the state's aquatic habitats, the history of ichthyology in Kansas, and conservation and management issues. Species accounts of two to three pages include one or two color illustrations by Joseph Tomelleri, a brief description of the species, comparison with similar species, a dots-on-streams



distribution map, and narrative summaries of habitat, reproduction and growth, food and feeding habits, and conservation status. An additional 28 plains species that might move into Kansas are included through brief summaries of natural history and in the dichotomous keys, which also makes the book a valuable resource for people in North Dakota, South Dakota, Nebraska, much of

Oklahoma, and the eastern portions of Montana, Wyoming, and Colorado.

The book is dedicated to the late Frank Cross, who studied fishes at the University of Kansas for 50 years (1951–1991) and wrote the first three books on Kansas fishes. Frank was a founding member of the Kansas Chapter and President of the North Central Division in 1969–1970. All royalties from sales of the book are being donated in Dr. Cross' name to a scholarship fund for Kansas ichthyology students awarded by the Kansas Chapter of the American Fisheries Society.

Publication of the 541-page, hard-cover book was underwritten by the Kansas Chapter of the American Fisheries Society and several agencies, universities, and companies, which kept the suggested retail price at \$39.95. The book is available from the University Press of Kansas or on-line booksellers.

University of WI-Stevens Point, Northern Aquaculture Demonstration Facility Project Summary

By Chris Hartleb, Greg Fischer, and Emma Wiermaa



Being located in northern Wisconsin, it is easy to forget that the UWSP-Northern Aquaculture Demonstration Facility has a dedicated technical staff that is working hard all year long doing research projects, conducting tours, and raising fish to help answer technical aquaculture questions. Unfortunately, we can't get out to all your farms and operations, but we are here and available to help with your issues. As a reminder on what we do, we have prepared this short summary of ongoing 2014 projects and duties to help provide a better understanding of the facility operations.



Bayfield School

Students at Bayfield School and their aquaponics system with the help of NADF

What do we do?



Student from Bayfield School showing their aquaponics system

Tours and Technical Assistance

Since opening the doors in 2005, the facility has hosted tours and workshops with thousands of people from all over the world. So far in 2014, facility staff hosted over 60 hands-on tours of the facility for interested groups and organizations from WI, MN, MI, IA, ID, IL, NY, Canada and Germany. We have provided technical assistance to hundreds of phone calls, emails and drop-ins looking for help with raising fish. This translates to several calls per week to help aquaculturists from all over the country solve various problems at their facilities. NADF staff also works closely with local schools and have integrated aquaculture and aquaponics into their curriculums.

Hands on Training at UWSP-NADF

The UWSP-NADF has been offering extended period, hands on training at the facility for cold and cool water recirculation systems, water quality monitoring, flow thru systems and pond rearing systems. Under a trial basis, several entities took advantage of this training this past spring with good results. If you are interested in learning more about this unique training opportunity at NADF please contact us for more information.

University of WI-Stevens Point, Northern Aquaculture Demonstration Facility Project Summary (continued)

Technical Presentations

The UWSP-NADF shares research findings at various state, national and international conferences including the World Aquaculture Society Conference, International Recirculating Aquaculture Conference, Wisconsin Aquaculture Conference, American Fisheries Society and the Native American Annual Fish & Wildlife Conference.

Local School Aquaculture and Aquaponics

The UWSP-NADF has been working collaboratively for many years with Ashland, Bayfield and Washburn Schools to develop Aquaculture/Aquaponics Programs for many different grade levels. The UWSP-NADF staff provides technical assistance, supplies, and fish to assist the dedicated teachers that are introducing aquaculture and aquaponics to the next generation of aquaculturists.

Recent Projects and Partners:

Walleye Initiative Project

Facility staff is working closely with Hayward Bait and Northside Enterprises on rearing walleye for their Wisconsin Walleye initiative Projects. By providing technical assistance and fish we are working cooperatively to make these projects a success. NADF also has provided assistance to several other WI fish farmers who are involved in this initiative. Picture at right is a month old walleye that was raised in the outdoor ponds at NADF.



Month Old Walleye from Outdoor Ponds

Walleye, Sauger, Saugeye, Arctic Charr and Yellow Perch Fish Shipments

The UWSP-NADF Facility staff has provided various fish species to a variety of Wisconsin fish farms, schools, various tribal programs and other entities for use in their aquaculture systems and at their facilities.

Lake Trout Strain Evaluation

Working collaboratively with Dr. Rick Goetz of NOAA (previously with UW-Milwaukee) and Shawn Sitar (MI DNR) to understand more about the various strains of lake trout, the UWSP-NADF technical staff is now home to a captive broodstock of large lake trout that are over 8 years old (See picture at right). Some of the broodstock were recently tagged with satellite transmitters and released into Lake Superior to track their movements. The broodstock were successfully spawned and multiple crosses of the various strains were collected. These offspring at NADF will be utilized to help answer some of the genetic and physiological questions regarding this native species of the Great Lakes. Some of this work has been published and is available on our website.



Eight-year old Lake Trout at NADF

University of WI-Stevens Point, Northern Aquaculture Demonstration Facility Project Summary (continued)



Arctic Char in NADF's Cold Water System

Arctic Char Project

The UWSP-NADF is finishing up several years of research on Arctic Char in partnership with a Wisconsin private company, Aquaterra, who is sponsoring research to explore early life stage rearing temperatures and rearing densities for arctic char. The project is proceeding nicely and the staff has been able to collect some great data that will be beneficial to the industry. Aquaterra has provided over 5,000 pounds of arctic char to various local food shelves and tribal food donation programs from this project. Data is being analyzed and publications regarding this work are forthcoming.

Yellow Perch Larval Investigation

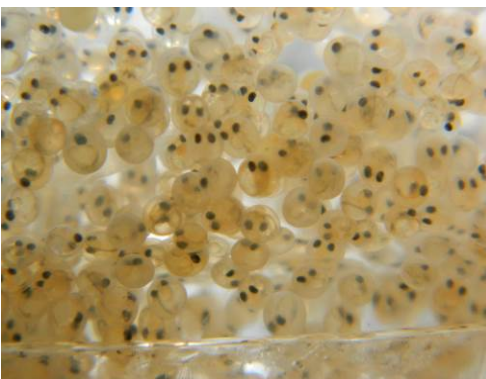
The USDA-North Central Region Aquaculture Council (NCRAC) provided funding to investigate and develop systems and diet strategies to reduce yellow perch larval mortality burst in indoor recirculating aquaculture systems. Working collaboratively with the Ohio State University and Iowa State University, the UWSP-NADF is rearing yellow perch intensively and investigating different rearing attributes such as tank color, spray bar effects and turbidity levels. The UWSP-NADF just completed year 1 and will be continuing this study in 2015. This study will provide some useful information concerning commercial intensive rearing of yellow perch for Wisconsin and the Midwest.

Atlantic Salmon Broodstock Rearing and Evaluation Project

The UWSP-NADF is working collaboratively with a private company to explore the development of an Atlantic salmon broodstock for possible future use in food-fish aquaculture. This strain of salmon has shown tremendous potential for the future. The fish onsite (picture at right) are 2 years old and should be spawning by age 4. Stay tuned.



Two-year old Atlantic Salmon at NADF



Eyed Lake Herring eggs in bell jar incubation unit at NADF

Development of Lake Herring Propagation Techniques in the Great Lakes

Building upon NADF earlier success with lake herring propagation this project is exploring the rearing of lake herring from start to finish. Some of the research questions involved in this project includes iodophore egg treatment, incubation temperatures, larval feeds, and overall rearing of lake herring for production. Working collaboratively with USGS Upper Midwest Environmental Sciences Center and USFWS LaCrosse Fish Health Center, this study will help answer questions for future reintroduction of lake herring into the lower Great Lakes and is funded by the USFWS. Data analysis is under way and we hope to have a publication available by 2015.

University of WI-Stevens Point, Northern Aquaculture Demonstration Facility Project Summary *(continued)*

Hatchery Effluent Reduction Project

The UWSP-NADF is working collaboratively with the Red Cliff Tribe to reduce the impact of the facilities effluent into a local small tributary of Red Cliff Creek. Working together with the RC Natural Resources Department, RC Tribal Youth Intern Program and the Wisconsin Youth Conservation Corp., the facility staff is conducting some stream restoration and repair work to combat erosion near the facility effluent stream. The UWSP-NADF facility is also working with a private company, Parjana, to examine and monitor alternate ways to handle fish hatchery effluent in Wisconsin. This work may help to provide some alternate strategies for fish hatcheries and private aquaculture facilities in Wisconsin.

Please visit our webpage for more information about our facility and current projects: <http://aquaculture.uwsp.edu>

Emma Wiermaa, Outreach Specialist, for questions, comments, or to schedule a tour: ewiermaa@uwsp.edu

For technical assistance, research, project planning or inquires about educational programs contact:
Facility Manager: Greg Fischer at: g.fischer@uwsp.edu