

Mainstream

President's Message by Gary Whelan



It is finally spring here in the North Country and spring brings new growth and opportunities. There will be new fisheries habitat created from the spring snowmelt and rains, new year classes of fish and invertebrates, and new fishing opportunities and adventures. As the natural world begins its rebirth, so does our work world and our professional society. Later this year, we will have a major change in our society as Dr. Douglas Austen takes the helm of our society as the new Executive Director and brings a wealth of experience from many levels of fisheries and ecosystem management along with being a former long-time North Central Division member. Dr. Gus Rassam will be moving on after the Annual Meeting to a new phase in his life after doing much to moving our society back to fiscal and business health.

At the Society-level, Dr. John Boreman has been very busy in moving our Society

forward following his aggressive workplan. He certainly has been working hard to make the upcoming Annual Meeting in Little Rock, Arkansas (September 8-12) a major success, a focus of his Global Leadership objective. So far there are 28 submitted symposia including the "Hatcheries and Management of Aquatic Resources" (HaMAR) symposium which is the 3rd in a series of symposia on role of propagated fish in fisheries and ecosystem management and the expected attendance will be similar to that at St. Paul, MN Annual Meeting last year with a big dose of Southern Hospitality. To meet his second workplan objective to increase science based fisheries policy, AFS is reinstating Capitol Hill briefings with the next one being on "Climate Change and Fisheries" to be held on May 9 and a potential future one on the "Science Basis of the National Fish Habitat Partnership". To implement his increasing value in membership objective, the Society is improving electronic services, reviewing the size and composition of the Governing Board, and will be initiating more remote learning and meeting opportunities including a free online training on electrofishing on May 22 and more streaming options from the Annual Meeting. Finally, an

analysis of fisheries curriculum to meet the needs of employers and whether the Society should enter the business of accreditation along with how well our certification program is work is moving forward, addressing our President's Professional Development objective. I can tell you from working with John on the Management Committee, a sub-committee of the Governing Board that handles a lot of the business details, that he is a remarkable leader who cares deeply about the Society and has an amazing amount of energy to propel the Society forward. I also expect that we should see an equal amount of positive energy from our incoming President Dr. Robert Hughes who is another dynamo ready to spring into action who will have a strong catalyst in our new Executive Director.

On the Division level, the NCD EXCOM has spent a lot of fruitful and enriching time directly interacting with membership at Chapter and Student Sub-Unit meetings. This is one of the really enjoyable parts of serving you and there is really no better way to move information and needs back and forth from the officers to the membership. One of my key objectives is to strength the connections between the Society and you (continued on next page)

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President's Message (continued)

and we have implemented this by attending 75% of the Chapter meetings and 5 student sub-unit meetings. We all enjoyed this opportunity to meet and talk to all of you and came away enriched by new relationships and some really neat science. I particularly enjoyed attending student sub-units meeting and their joy and enthusiasm really make a difference to our Society along with providing the comfort that our profession is in good hands into the future. Another key initiative is to revitalize two of our Technical Committees and I have both working professional and student interest in the Great Lakes and Reservoir Technical Committees so I intend to move these forward. If you have interest in these committees, let me know and we will help you get them back and fully operating. I have also been working to ensure that we fully support the larger scale fish habitat initiatives in our Division which include the 7 National Fish Habitat Partnerships and 6 Landscape Conservation Cooperatives. Anything that the Division can do to assist these key efforts, we will ensure are done. Finally, to help ensure the future of our profession, there are opportunities for free money and recog-

nitition for students (Joan Duffy & Clemens-Rigler Travel Awards and the Janice Lee Fenske Memorial Award) and the call for applications is in September so do not miss this opportunity.

I also want to bring you up-to-date on a few Society items. First, the Society is going to sign on to a letter concerning conservation recommendations for the U.S. Farm Bill, key piece of legislation that has fish habitat implications on both sides of our shared state and national borders. With respect to funds, the Society budget is very healthy at this time and has two years of operating funds in our reserve, a remarkable achievement that was the result of Gus Rassam's efforts. To ensure our funding stream remains stable, the Society will be using a sliding slide for Annual Meeting booth space with smaller meetings having lower costs and larger meetings having higher costs. As a result of more journal pages being published, our library subscription rates may increase up to 4% and keep in mind that our publications are what really fund most of the Society's operations and services. Similarly, the Division budget is stable

and in good shape. The Society is going to make an effort to move associated non-members into the member category to ensure that everyone who receives benefits are paying for them and to expand the Society's abilities to provide all professionals with needed services. One of those services is providing information and the Society has established a grey literature library so if you have grey literature, such as agency technical or research reports, please consider making it available to all members. Finally, this is the time to provide nominations for Society awards, Division award nominations can also be made now too. Please take the time to recognize your peers for their outstanding work and efforts.

I hope that all of you have a rich, enjoyable and safe field season, continue to learn about our aquatic resources, and work to ensure our resources are in better shape for future generations. If you have any issues or needs that the Division or Society can assist with, please contact me or any one of our NCD EXCOM members. I wish all of you a safe and enjoyable spring and summer.

COMMITTEE REPORTS

Esocid Technical Committee by Dave Woods

The NCD Esocid Technical Committee held their winter business meeting on December 9th at the 73rd Midwest Fish and Wildlife Conference in Wichita, Kansas. Jonathan Meerbeek's two year term as ETC Chair ended in December, 2012. Dave Woods, of the Missouri Department of Conservation, assumed the ETC Chair responsibilities for 2013-14 in January, 2013. Committee members agreed to continue the joint technical committee meeting format for this year's meeting,

which will be held at Stoney Creek Inn in Wausau, WI on July 23-25, 2013. There are still ten copies of the International Pike Symposium available for purchase @ \$30/copy and are advertised on the ETC website. Muskies Inc. will be sponsoring the 2016 Hugh C. Becker International Muskie Symposium in March 2016 in the Twin Cities area. There will be various committees established including a Technical Steering Committee, and an Advisory Committee which will consist

of key industry leaders, DNR personnel and managers, noted muskie researchers and educators, and public relations individuals. The 2012 ETC State and Provincial Reports can be viewed in the 2012 Winter Business Meeting Minutes located on the NCD-ETC website.

River and Streams Technical Committee

by Stephen J. Jacquemin

The following accounts have been solicited from the Indiana American Fisheries Society membership and summarize the major lotic ecological research, restoration projects, management strategies, monitoring appointments, and conservation efforts ongoing across the state of Indiana.



Indiana Department of Environmental Management

In early June, IDEM with help from the National Park Service (NPS) and the Indiana Department of Natural Resources (IDNR) had three crews collecting 44 fish community samples on waterbodies in the East Branch Little Calumet River basin as part of a baseline study to provide data which characterizes the current condition of the watershed, identifies impairments, and designates critical areas for watershed improvement plans. Data collected from these targeted sites include monthly water chemistry for one year, bacteriological sampling (*E. coli*) during the recreational season, macroinvertebrate and fish communities once in the summer, fish tissue at three sites, habitat assessments, and flow at a subset of the sites. Fish community results will be summarized in the IAFS December newsletter; however, it may be interesting to some AFS members that one oriental weatherfish (*Misgurnus anguillicaudatus*) was collected in Samuelson Ditch in Porter County. In late September, 22 targeted

sites will be sampled for fish and macroinvertebrate communities as part of another baseline study taking place in the Indian-Kentuck watershed near Madison Indiana in southeastern Indiana.

From July to September, IDEM collected 42 fish community samples at 38 sites on waterbodies in the Patoka River basin for the 2012 Probabilistic Monitoring Program. The goal of this program is to characterize the overall integrity of the river basin for aquatic life use support using data collected from random sites including water chemistry, *E. coli*, nutrient data, macroinvertebrate and fish communities, as well as habitat evaluations. Fish community results will be summarized in the December newsletter; however, it may be interesting to some AFS members that several specimens of flier (*Centrarchus macropterus*) were collected in Bruner Creek near SR 64 and Patoka River near CR 600 W both in Dubois County. Fish and

macroinvertebrate communities were sampled at an additional seven targeted sites in the South Fork Patoka River watershed where improvements had been made to see if increases could be observed in the Index of Biotic Integrity (IBI) scores. From the sites sampled for fish community, six sites showed improvement according to the IBI scores; HOWEVER, only one of the sites was not impaired (IBI>35) for fish community. Results from the macroinvertebrate samples showed three sites not impaired for macroinvertebrate community assessment (mIBI>35). Ultimately, from the sites sampled in the South Fork Patoka River watershed, only one was not impaired for both fish (IBI=40) and macroinvertebrates (mIBI=38), mainstem South Fork Patoka River near CR 300 E, which happened to be the segment originally provided for investigation of improvement or delisting for Impaired Biotic Communities (IBC).

Indiana Department of Natural Resources

The Indiana Wildlife Diversity Report was published this past year to provide a synopsis of the major management and conservation efforts pertaining to non-game species. The report outlines large scale continuation of statewide fish and mussel surveys. The complete 2011 Wildlife Diversity Report is freely available (www.in.gov/dnr/fishwild/files/fw-2011WildlifeDiversityReport.pdf).

Specific projects include:

- Target sampling for rare fishes in the southwestern corner of the state including bantam sunfish, cypress darter, and pygmy sunfish. To date pygmy sunfish have been located while bantam sunfish and cypress darter have not been collected.
- Lake sturgeon monitoring continues on the East Fork of the White River (since 1996) in an effort to assess spawning habits and population dynamics.
- The state endangered Northern Brook Lamprey is now part of an official monitoring effort.

Bureau of Water Quality (Muncie, IN)

The Bureau of Water Quality recently completed its yearly sampling on the West Fork of White River in Muncie, Indiana. During this time period 47 sites were sampled in order to evaluate the biological integrity of the fish community. In addition, 6 sites were sampled as part of a small-mouth bass and rock bass population estimate study. These sampling events yielded 19,254 fish representing 55 species.

In addition, working in conjunction with The Nature Conservancy, the Bureau of Water Quality is also assisting in the implementation of a two-stage ditch project located on a stretch of York Prairie Creek in Muncie, Indiana. The end goal of this project is to improve bank stability, reduce peak discharge during a heavy rain and improve water quality through sediment and nitrogen reduction.

River and Streams Technical Committee (continued)

City of Elkhart Aquatic Biology (Elkhart, IN)

The City of Elkhart continues to monitor fish communities on the rivers and streams of Elkhart and St. Joseph Counties. We also continue to monitor macroinvertebrates and chemical concentrations concurrently. Additional aspects of our program include fish tissue analysis in support of the fish consumption advisory, game fish studies, and research related to endocrine disruption.

EA Engineering, Science, and Technology, Inc.

WABASH RIVER — The Wabash River from Darwin Ferry to York, IL is being sampled to determine how the fish community has changed since a power plant in this area shut down. Fish are sampled monthly from July through October by electrofishing at five locations and seining at two locations. Sampling began in 2011 and is expected to continue through 2013. Results from the first year of monitoring suggest that although there have been some changes to the fish community, those changes appear to be system-wide, rather than being restricted to the area downstream of the former power plant. Most of the new species collected in 2011 were either invasives (e.g., silver and bighead carp) or native species that have moved up from the lower river (e.g., blue catfish, spotted gar). The most surprising species collected was silver shiner (three collected), which is known from the upper Wabash but which has never been collected from the middle or lower Wabash. In fact, these specimens represent the first time this species has been reported in Illinois.

OHIO RIVER — EA continues to monitor fish near several power plants on the Ohio River as part of the Ohio River Ecological Research Program (ORERP). Fish are collected by electrofishing and seining seasonally at six locations near each plant. This program is now 40 years old and the Tanners Creek Plant near Lawrenceburg has participated in the ORERP every year. In years when river flows are low and/or air temperatures are high, avoidance of the warmest portions of the plume is often seen. However, such avoidance is usually restricted to the midsummer and appears to have no long-term effect near any of the Indiana power plants. Depending on the plant, 40-60 species are collected each year and, for the river as a whole, the ORERP has collected 130 species of fish.

Duke Energy

Duke Energy samples the Middle Wabash River in the vicinity of Wabash River Station near Terre Haute, IN and Cayuga Station near Cayuga, IN. This work is part of the power plant's NPDES permits to prove a balanced and indigenous aquatic fish and aquatic macroinvertebrate population exists downstream of the stations.

Manchester University

Manchester University is currently involved in a variety of monitoring and restoration projects in and around the Eel River.

Projects in Jerry Sweeten's lab include:

- Two low-head dams are still scheduled to be removed from the Eel River this summer. We have monitored above and below each dam for two years in anticipation of the removal.
- Research on redds (*Clinostomus elongatus*) in Mill Creek (a tributary to the Wabash River) is nearing completion. The major components of this study include: Augmentation of RSD in Asher Branch, Culture procedures of RSD, Genetic analysis of RSD, and Early life-history documentation of RSD.
- 319 nonpoint source pollution grant for the Middle Eel River from North Manchester to Mexico, IN. We have completed the fourth year of work under this grant where we have used automatic water samplers to examine the following: Nitrogen, Phosphorus, and Suspended sediment. We have also examined the fish community and mussel community in the 30 mile study reach. Cost-share conservation practices with agricultural producers= \$212,000. We have applied for and received a three year extension on this project and an additional \$250,000 cost-share funds.
- Mississippi River Basin Initiative. With our Natural Resources Conservation Service partners we have cost-shared over \$3 million with agricultural producers in the middle Eel River watershed.
- A newly funded paired-watershed study was funded to examine the efficacy of fall cover crops in reducing nutrient and sediment loads. Fish community structure and function will also be examined over the three year study period.
- Smallmouth bass research continues as a long-term monitoring project where we are examining both habitat and water quality as it relates to SMB year-class strength.

River and Streams Technical Committee (continued)

Ball State University

Ball State University is currently involved in a variety of monitoring and restoration projects across the Ohio River Basin.

Projects in Mark Pyron's lab include:

- Detailed GIS assessment of substrate, flow, and fish assemblage along the middle and lower Wabash River.
- Survey of Ohio River watershed oxbow habitats for fish and habitat information.
- Planning joint venture with Army Corps and USGS to modify levees along the Patoka mainstem to restore floodplain connectivity and improve habitat for fishes.
- Assessment of freshwater drum diet, growth, and population dynamics in the Wabash River.

Technical Report Contributors

The River & Streams Technical Committee thanks Drew Holloway (BWQ), Daragh Deegan (City of Elkhart), Mark Pyron (BSU), Brant Fisher (IDNR), Jerry Sweeten (MU), Jason Doll (BSU), Bryan Kalb (Duke Energy), Stacey Sobat (IDEM), and Greg Seegert (EA) for their contributions to this report.

UPCOMING EVENTS

Little Rock • 2013



LITTLE ROCK • 2013

The Arkansas Chapter of the American Fisheries Society and 2013 AFS President John Boreman cordially invite you to attend next year's Annual Meeting, September 8-12, 2013, in the Natural State. The meeting theme is **Preparing for the Challenges Ahead**. For more information and registration information visit: <http://afs2013.com/>

74th Midwest Fish & Wildlife Conference

Interested in submitting a symposia idea for the 74rd Midwest Fish & Wildlife Conference?

Go to this website to find out more: midwestfw.org.

Abstracts are due by May 31, 2013 to Andrew Branson at Andrew.Branson@mdc.mo.gov.

If accepted, symposia submitters will be required to collect abstracts and coordinate speakers and content for the sessions; they will also be able to accept talks for their symposia through the regular call for presentations.



CHAPTER & STUDENT SUBUNIT REPORTS

Dakota Chapter, South Dakota University Subunit by Andrew Carlson

The South Dakota State University (SDSU) American Fisheries Society Subunit is committed to community and university service as well as education and professional development of members. Since April 1, 2012, the Subunit educated youth about aquatic resource conservation at a Fisheries Research Fun Day and Cub Scout Fishing Derby, events featured in the Brookings Register. Undergraduate and graduate students taught children important skills for conducting aquatic resource science and acting as responsible stewards of the environment. Subunit members also served as judges at a Cub Scout Pinewood Derby, serving as role models for the next generation of young adults. Through these service activities, Subunit members built lasting community relationships

and embraced the critical human component of natural resource management.

At the university level in 2012, Subunit members formed partnerships with other environmentally-themed organizations to pursue mutual goals. The Subunit joined forces with the SDSU PREXY Council to foster development and service in student organizations on campus. Members also submitted a mission statement and summary of activities to the 2013 SDSU Yearbook Committee. The Subunit hosted a Natural Resource Management Job Fair to provide undergraduate students across disciplines with valuable information about summer internships with state, federal, and university employers. Subunit members also invited two

natural resource professionals (Kristen Grohs, USFWS; Dr. Quinton Phelps, Missouri Department of Conservation) to speak with students about their research. Finally, the Subunit funded four scholarships for undergraduate student travel to the annual Dakota Chapter AFS meeting, an important research and networking event.

The SDSU AFS Subunit is dedicated to natural resource conservation and community involvement alike. The Subunit earned an Award for Organizational Leadership from the South Dakota Board of Regents earlier this month, its first major university accolade. Members are looking forward to new service activities and time-honored traditions as the year progresses.

Illinois Chapter by Scott Stuewe

The 51st Annual Meeting of the Illinois Chapter was held March 5 – 7, 2013 on the shores of the Army Corps of Engineers' Rend Lake. The 150+ attendees were treated to two full days of paper and poster presentations, excellent meals, and a very successful raffle! Thirty two papers were given, of which 12 were given by students, along with 16 posters. During the meeting, retirements of three individuals were recognized for their service to the State of Illinois Department of Natural Resources. Mark Yehling and Herb Dreier were recognized for their efforts and dedication to the education of future anglers in the Urban Fishing Program along with Steve Jenkins, a District Biologist for 30+ years, received Letters of Recognition and Appreciation. It was also announced that Dan Sallee, Past President of the Chapter, had announced his retirement effective the end of May. During 2012-13, the Illinois Chapter hosted 2 continuing education workshops ('Using

R for Fisheries Science' and 'Identification of Minnows and Darters of Illinois'). Both events were extremely successful with over 30 attendees at each workshop.

Committee update reports were given during the Chapter Meeting along with announcements of award winners from last year's meeting. The recipients were:

Best Professional Paper: Levi Solomon, Illinois Natural History Survey; Title: "Juvenile Alligator Gar Movements in a Disconnected Floodplain".

Best Student Paper: Nate Tessler, University of Toledo; Title: "Homogeneous Vegetated Farm Ditches Provide Important Nursery Habitat for Northern Pike in Northwestern Ohio"

Best Poster: Jeremy Tiemann, Illinois Natural History Survey; Title:

"Conservation Status of Freshwater Snails of the United States and Canada"

Brian Metzke was voted in as Secretary/Treasurer for the next year. Discussion was held on whether to separate the Secretary/Treasurer position into two separate positions, Secretary and Treasurer. It was decided to present this to the Governing Board for approval and then make the change in the by-laws. This will allow Treasurer to remain in that position for several years, which should allow that person to become more familiar with the budgetary protocols and result in fewer changes to the bank accounts due to the annual change in Treasurer. It is anticipated this action may be voted on at the next Annual Meeting.

It was announced that the 52nd Annual Meeting would be held in Bloomington, IL. Plans were being made with a meeting site being secured shortly.

Indiana Chapter by David Kittaka, Esocid Technical Committee Chairman

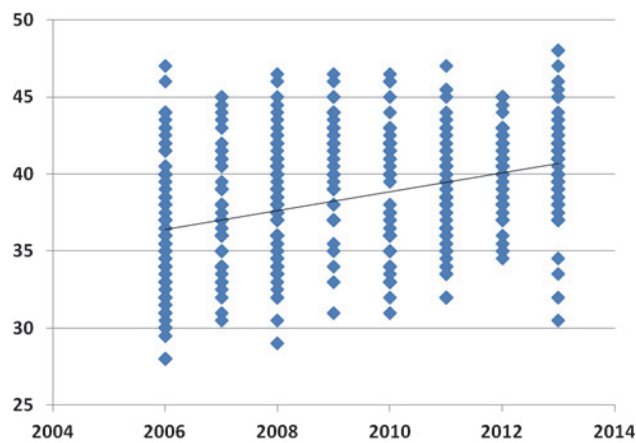
Here is a summary of the work conducted this spring in Indiana. Finally reports from these projects can be found later in the year on the Indiana Department of Natural Resources, Division of Fish and Wildlife website.
<http://www.in.gov/dnr/fishwild/3352.htm>

*Jed Pearson
 District 3 Fish Management Biologist
 Indiana Department of
 Natural Resources*

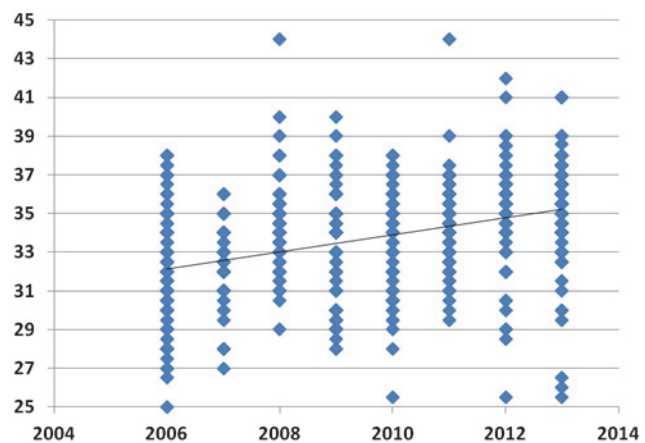
Webster Lake is a natural lake located in Kosciusko County and is the primary broodstock source for Indiana muskies. Since 2006, we've seen a gradual increase in the mean length of males and females, plus a reduction in the number of smaller muskies. In 2007, Webster Lake muskies were switched from a 90 day forage-finished finger-

ling to a 30 day forage. Because we don't catch muskies in our traps until they are about 4 years old, we won't know the full effect of the diet change for a couple more years. Meanwhile, other factors, such as changes in aquatic plant density, may play a role in this as well.

Female Muskies



Male Muskies



*David Kittaka
 District 5, Fish Management Biologist
 Indiana Department of
 Natural Resources*

Muskie surveys were conducted at Bass Lake and West Lake (Sullivan County) these lakes are reclaimed coal pits located in south-western Indiana. Muskie were collected at Bass Lake in 2008 using a Lake Michigan style trapnet. Indiana designed and purchased smaller versions of the Lake Michigan style trap net in 2012 for muskie sampling. Two nets were set at Bass Lake to determine if they were effective for catching muskie. In 4 lifts there were 14 muskies collected from

33.8 to 39.0 inches. No identifiable females were collected. Water temperature was 39F. Nets were set at West Lake the following week to evaluate the muskie population. West Lake has been stocked for 10 years. No muskies were collected in 5 net days. An angler creel and general fish surveys were conducted in 2008. No muskie catches were documented in the creel or general surveys. It will be recommended that this stocking be cancelled and the fish reallocated to another lake.

*Tom Bacula
District 1, Fish Management Biologist
Indiana Department of Natural Resources*

Bruce Lake is a natural lake located in Pulaski and Fulton Counties, and has been stocked since 2000. The survey was conducted from April 15 to 19, 2013. Water temperature ranged from 52.3 to 54.5 F. Effort consisted of 12 lifts over 5 days. Indiana style trap nets along with a small version of the Lake Michigan style trap net. No muskies were collected in the Indiana standard trap nets. A total of 90 muskies was caught (7 recaps from this year) from 26.5 to 48.0 in. Net catch rate ranged from 0 to 20 fish/net (small Lake Michigan style trap net average catch was 9.2/net). Overall CPUE 7.5 fish/net. Two thirds were males.



Tom Bacula, Indiana DNR



Mike Porto, Indiana DNR

*Steve Donabauer
North Fish Research Biologist
Indiana Department of Natural Resources*

A northern pike survey was conducted on Snow Lake (Steuben Co.) from April 1-9 using Indiana style trap nets, small Lake Michigan style trap nets (LMTN) and large Lake Michigan style trap nets. Twenty pike were collected that ranged from 19.2-35.8 inches and 1.5-12.3 pounds. Most (80%; N = 16) of the pike were collected in the large LMTN while several (15%; N = 3) were collected in small LMTN, and a single pike (5%) was collected in a Indiana style trap net. The number of female, male, and juvenile pike collected were 10 (50%), 8 (40%), and 2 (10%), respectively. Water temperatures ranged from 40.6-43.5 degrees in the main lake and from 44.9-47.0 degrees in the littoral area during the sampling period. Pectoral fin rays were collected for pike for subsequent age and growth analyses. Although the catch rate of pike in Snow Lake was low compared to surveys conducted on Clear and Hamilton Lakes in 2012, two “memorable” pike (> 34”) were collected in Snow Lake in 2013 compared to 0 and 5 “memorable” pike collected in Hamilton Lake and Clear lakes, respectively. Thus, this study provided evidence that Snow Lake has the necessary habitat available to produce pike of large size-classes and to support continued conservation efforts that use pike as an indicator species for the preservation and enhancement of coolwater habitat among Indiana’s glacial lakes. Lake Wawasee (Kosciusko Co.) will be surveyed for pike in 2014.

Iowa Chapter by Kim Bogenschutz

The Iowa Chapter of AFS held its annual meeting at Honey Creek Resort State Park on February 12-13, 2013. We tried something different this year and held the annual meeting immediately following the Iowa DNR Fisheries Bureau Statewide Meeting on February 11-12 also at Honey Creek Resort State Park. It was a successful merger. Most Iowa AFS members are also Iowa DNR Fisheries Bureau employees, and people liked having to travel only one time to participate in two meetings. The content and quality of the presentations and posters were excellent.

Highlights of the meeting also included a raffle and auction with prizes and treasures donated by local businesses and members that helped the chapter raise funds for projects, donations, and scholarships. We thank Vince Travnichek, NCD First Vice President, for attending the business meeting during our annual meeting. The agenda for the annual meeting and minutes of the business meeting can be found on the Iowa Chapter of AFS website (<http://www.fisheriessociety.org/iowa/>).

Kansas Chapter, Kansas State University Subunit by C. Nate Cathcart



Sampling Campus Creek

The Kansas State University student subunit of the AFS recently held officer elections for the 2013-2014 academic year and will be led by Casey Pennock (President), Kevin Kirkbride (Vice-President), Rick McAtee (Treasurer), and Nate Cathcart (Secretary). The 2012-2013 academic year was highlighted by several talks from area biologists and graduate students. Also, the subunit recently began a study exploring the fish community of an urbanized creek flowing through Kansas State University campus and seeks to expand to more rigorous studies to further promote the mission of the AFS. To contact us please email Casey (pennock@ksu.edu) or Nate (cncathca@ksu.edu), or visit our website at: www.k-state.edu/ksuafs/.



Trekking to the next site on Campus Creek



Seining the headwaters of Campus Creek in the midst of an apartment complex

Michigan Chapter by Patrick Hanchin

The Michigan Chapter started out 2013 by conducting officer elections. Dan O'Keefe, Extension Educator for the Southwest District of Michigan Sea Grant, was selected as the President-elect for the upcoming term. Patrick Hanchin and Dave Clapp progressed to their respective positions of President and Past-President, Bill Keiper continued as Secretary-Treasurer, and Geoffrey Steinhart graduated from his 3-year term on the Executive Committee (thanks for your service, Geoff). The annual meeting was held in February at Treetops Resort in Gaylord with an attendance of over 100 members. Chapter members exhibited true dedication as they made their way through heavy lake-effect snow and white-out conditions to attend the meeting. Attendees were treated to 24 oral and 18 poster presen-

tations highlighting a variety of management and research going on in Michigan. The meeting included a workshop that utilized the AFS book "Case Studies in Fisheries Conservation and Management" that was led by Dr. Geoffrey Steinhart from Lake Superior State University and Dave Clapp from the Michigan Department of Natural Resources. Student award winners were Jimmy Osga (Lake Superior State University) for best student poster and Tyler Buchinger (Michigan State University) for best student paper. Andy Nuhfer, retired fisheries research biologist from the Michigan DNR, received the Leonard award for outstanding professional competence and achievement and Marty Williams received the Hazzard award in recognition of his thesis research entitled "Spatial, temporal,

and cohort-related patterns in the contribution of wild Chinook salmon (*Oncorhynchus tshawytscha*) to total Chinook harvest in Lake Michigan." The LSSU and MSU student sub-units held a successful raffle with numerous impressive donations, including a handmade bamboo fly rod donated by Jeff Schaeffer and a fascinating multi-species animal bone sculpture donated by Dan Traynor. Plans are currently underway for our 2014 meeting and the Executive Committee is planning a popular article/video contest for MI-AFS members to illustrate the important role that aquatic resource students and professionals play in society. Stay tuned to the Michigan AFS website (<http://www.fisheriessociety.org/miafs/>) for more details!

Michigan Chapter Lake Superior State University Student Subunit by Garret Price



Lake Superior State University's student subunit of the Michigan Chapter American Fisheries Society established a scholarship, this past spring, in memory of Wendy J. Sak. Sak obtained a degree in fisheries and wildlife management from LSSU in

1998. During her time at Lake State she played an important role in forming the LSSU Fisheries and Wildlife Club as one of the founding officers. At age 35 Sak was killed in an auto accident in May 2012. The Wendy J. Sak Memorial Fisheries and Wildlife Award will be awarded each fall to a LSSU Fisheries and Wildlife Club member who is in good standing and a full time sophomore at Lake State.

The club donated the initial \$2,000 to start the award fund and hopes to grow

the fund to the minimum endowment level of \$25,000 through donations from past club members and LSSU alumni. Currently the scholarship award is \$500 however we hope to increase this amount as the fund grows. The first scholarship recipient is sophomore Fisheries and Wildlife Club member Jessica Tabitha Haller. If you'd like to make a contribution to the Wendy J. Sak Memorial Fisheries and Wildlife Award, go to "www.lssu.edu/foundation/giving/compform.php" type in her name under the "other gift designation" category.

Minnesota Chapter by Dale Logsdon

The Minnesota Chapter held our annual meeting on March 11-13 at the Kelly Inn in St. Cloud. This year's theme – "Facing the Challenges" – focused on the rapidly expanding suite of environmental perturbations threatening our fisheries and possible methods for mitigating their effects. Our three plenary speakers set the tempo for the meeting with informative and thought-provoking presentations. Patrick Moore, an environmental activist with the citizen advocacy group Clean Up the River Environment (CURE), kicked off the plenary session with his presentation "The Minnesota River: Challenges and Opportunities – Stories from a Civic Engagement/Cultural Approach to Watershed Restoration." Dr. Jeff Strock, a soil scientist with the University of Minnesota, spoke of agricultural landscape issues and potentials for improvement in his presentation "Drainage System Designs: Benefits and Limitations". Our final plenary speaker, Dr. Charles Krueger, Science Director for the Great Lakes Fishery Commission, then challenged our concepts of environmentally "good" and "bad" during his presentation entitled "Ecological Paradoxes of the Great Lakes".

This year's Chapter meeting was attended by 115 professionals and 38 students. Of the 153 total attendees at the meeting, 45 gave oral presentations (16 of which were students) and 18 presented posters (7 students). In addition, an Asian carp panel discussion was held on the last day of the meeting. Best student paper was awarded to Kelly Harrington (University of Minnesota - Duluth) for her presentation "Visual Sensitivities of Deepwater Lake Superior Fishes," and best student poster was awarded to Steven Speltz (Winona State University) for his poster, "Investigating the Relationship Between Air and Water Temperatures in Ground Fed Streams in Southeast Minnesota".

A presentation on underwater photography was provided by Roger Peterson during our evening banquet, and Student scholarships were awarded to Brooke Weigel and Seth Spawn of St. Olaf College, as well as Andrew Stevens of Minnesota State University. During the business meeting, Chapter members Don Pereira, Brian Borkolder, and Ann Schneider were recognized for their leadership as co-chairs of the of the Parent Society

meeting that was hosted by the Minnesota Chapter this past August in St. Paul. Incoming president Dale Logsdon presented outgoing president Tom Hrabik with a plaque to honor his service to the chapter, and newly elected president-elect Shannon Fisher and Academic EXCOM member Paul Venturelli were recognized as well. North Central Division president-elect Phil Moy was also in attendance at our business meeting to provide updates on Division and Parent Society initiatives.

In addition to the activities associated with the annual meeting, planning is currently underway for a series of continuing education workshops. An age and growth workshop will be held this summer in Duluth, an Introduction to the program MARK workshop will be held this fall in the Twin Cities, and a hydroacoustics workshop will be held next summer in Duluth. For more information on Minnesota Chapter activities, or to view photos of the meeting and PowerPoint files of the presentations, visit our website at www.mnafs.org, follow us on Facebook at Minnesota-AFS Mnafs or Twitter at @MNAMFisheriesSo



Plenary speaker Charles Krueger challenging Minnesota Chapter members to consider all aspects of environmental issues



NCD president-elect Phil Moy speaking at the Minnesota Chapter business meeting

Bruce Vondracek (left) with student scholarship recipients (L-R) Brook Weigel, Andrew Stevens, and Seth Spawn



Missouri Chapter by Jason Persinger



Jen Girondo (left) presents the 2013 Student Achievement Award winner Michael Moore (right) with a check and certificate

The Missouri Chapter of the American Fisheries Society held its annual meeting on January 31, 2013 in conjunction with the Missouri Natural Resources Conference at Tan-Tar-A Resort in Osage Beach, MO. It was a highly successful meeting with 111 members in attendance.

Our annual raffle and silent auction exceeded its goals. Two of the Chapter's student subunits (the Missouri State Subunit and the University of Central Missouri Subunit) participated in selling raffle tickets prior to the conference. Both subunits did very well with 50% of their sales being returned directly to the subunit and the other 50% going into our student support trust fund.

Money from the student support trust fund was put to good use. Michael Moore (University of Missouri) was announced as the 2013 winner of the MOAFS Student Achievement Award which includes a \$500 scholarship. Landon Pierce (University of Missouri) was announced as having received the Duffy Travel Award for the December 2012 Midwest Fish and Wildlife Conference. Jason Harris (University of Missouri) received an award for best student platform presentation at the 2013 Missouri Natural Resources Conference and Sean

Zeiger (University of Missouri) received the award for best poster presentation. Also announced at the meeting were The Carl Morrow Scholarship winner Alex Prentice (University of Central Missouri) and the Ed Stegner Scholarship winner Jackman Eichenroeder. These scholarships are funded by the Conservation Foundation of Missouri Charitable Trust.

MOAFS has the honor of selecting the fisheries recipients.

In addition to honoring students MOAFS took time to give out its chapter awards. President Wes Swee presented Mark VanPatten with a letter of recognition for his aquatic invasive species (didymo) awareness efforts. A second letter of recognition was given to Steve Eder for his work in initiating MOAFS's Disabled Angler committee and development of an annual fishing event. St. Munchin Parish Knights of Columbus was given the Citizen's Award for their assistance with Disabled Angler fishing events. MOAFS's two highest awards were given out as well. Greg Pitchford received The A. Stephen Weithman, Jr. Leadership Award. Mike Smith received The John L. Funk Award of Excellence.

Other MOAFS members were recognized for their dedication to the American Fisheries Society. Three award pins from the parent society for 25 years of membership in the parent

society were given to Matt Matheney, Chris Vitello and Vince Travnichek. Joe Dillard was given a pin for 50 years in the parent society. Congratulations were also given to Vince Travnichek for being elected as the First Vice-President of the North Central Division

Other business discussed at the meeting laid out just how busy MOAFS is going to be in the next year. MOAFS is the host society for the 2014 Missouri Natural Resources Conference. Clint Hale is our Steering committee chair. He reported he has a full committee. Their plan is to focus on student involvement including some of the smaller schools. In addition our



Wes Swee (left) presents the 2013 A. Stephen Weithman, Jr. Leadership Award to Greg Pitchford (right)

plans for the next Midwest Fish and Wildlife conference were also discussed. The Midwest will be held in Kansas City, Missouri and is moving from its usual timing of early December 2013 to the last week of January in 2014. This move is being made to attempt to increase student and University personnel involvement in the conference. Their involvement is currently limited because the timing of an early December meeting often conflicts with university finals. The Chapter also discussed its plans for celebrating its 50th anniversary. The anniversary celebration will coincide with our next

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Wes Swee (left) presents the 2013 John L. Funk Award of Excellence to Mike Smith (right)

annual meeting at the 2014 Missouri Natural Resources Conference. A final item of business discussed was the potential for Missouri to serve as host for the 2016 Annual AFS Meeting. The Chapter agreed to serve as host and is currently working with the AFS Governing Council on the details

of that conference including location and timing.

The last item of business at the meeting was the annual changing of the guard. Mike Smith was announced as the new President-Elect and Dave Michaelson was announced as the new Secretary. Wes Swee passed the gravel to the incoming President Jason Persinger. Jason's first act as president was to give Certificates of Appreciation to outgoing Secretary Melissa Scheperle and outgoing President Wes Swee.

Ohio Chapter by Jason Anthony R. Sindt

During February 19-21, 2013 members from the Ohio and West Virginia Chapters of the American Fisheries Society gathered on the campus of Marshall University in Huntington, WV for a joint meeting themed "Partnering Today for Challenges Tomorrow". Attendees including students, faculty, and agency biologists spent the first day of the meeting learning about algae, ichthyoplankton, or hydroacoustics in one of three workshops. Workshops were followed by hot dogs and conversation during the welcome social held at Hillbilly Hot Dogs.

The second day of the meeting was kicked off by plenary presentations focused on emerging challenges in fisheries. Duane Chapman, USGS Research Fish Biologist, provided a detailed overview of Asian carp in North America and Dr. Tom Bridgeman, Associate Professor at the University of Toledo, spoke about harmful algal blooms in the Great Lakes and beyond. Plenary presentations were followed by 29 podium presentations and 10 poster presentations that continued until noon of the third meeting day. Other meeting events included annual business meetings for both

AFS chapters, a Wednesday night dinner and social, awards for best student presentations, and plenty of networking and camaraderie.

For additional details, the conference Program and Abstract booklets can be found on the West Virginia Chapter website at www.sdafs.org/wvafs/Index.htm.

NEWS AND ANNOUNCEMENTS

Student Opportunities by Jessica Mistak

Janice Lee Fenske Memorial Award Committee

The purpose of the Janice Lee Fenske Memorial Award is to recognize undergraduate and graduate students for their achievements in the fields of fisheries or wildlife management and encourage their participation in professional societies and conferences. An annual award ceremony is held during the Midwest Fish and Wildlife Conference, with this year's award ceremony taking place during the Student-Professional Mixer held on December 11 in Wichita, Kansas.



The award ceremony provided the opportunity for 25 student finalists from 10 different universities and 8 states to network with natural resource leaders. Two students were individually recognized for their high-level achievements with a \$500 scholarship award and plaque:

Andrew Carlson—Andrew is currently pursuing a Master's Degree from South Dakota State University where he is studying the effects of the Missouri River's 2011 catastrophic flooding on fisheries and aquatic habitat. He is a member of AFS and the AFS South Dakota State University Subunit, and is the Secretary-Treasurer of the AFS Student Subsection of the Education Section.

Danielle Berger—Danielle is finishing her undergraduate degree at the University of Wisconsin- Steven's Point with an emphasis in Wildlife Ecology. While at Steven's Point, Danielle has participated in an array of mentoring, tutoring, and teaching activities including working with children at the local zoo, introducing youth to the joy of waterfowl hunting, teaching high school students how to trap and collar wildlife, and tutoring her peers. Her professional accomplishments include recognition as the University of Wisconsin- Steven's Point College of Natural Resources Outstanding Senior and highest honors for her undergraduate research project involving bobwhite quail nesting success. Danielle's career goals are to attend graduate school and eventually work as a wildlife biologist for the Missouri Department of Conservation.

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Special thanks go to members of the committee from AFS and The Wildlife Society, including Robin DeBruyne, Mark Kaemingk, Holly Jennings, Tamara Lipsey, Ashley Moerke, Jim Schneider, Brad Simpson, and Mark VanScoyoc, for selection of the student finalists and award winners.

This award is made possible through organizational and financial contributions from:

2012 Midwest Steering Committee
AFS- North Central Division, and Kansas and Michigan chapters
The Wildlife Society-Kansas and Michigan chapters

The NCD-AFS's Ictalurid Technical Committee Announces Their Following Workshop:

Catfish College

The NCD-AFS's Ictalurid Technical Committee invites you to participate in their workshop "Catfish College" on Tuesday-Thursday, 9-11 July 2013, at the Kibbe Field Station near Warsaw, Illinois. Course content includes a classroom element on sampling methodology and identification, and a fieldtrip component on collection. Participants will gain a basic understanding of techniques and known gear biases when sampling for game and non-game catfishes.



When: Workshop begins at 1:00 p.m. on Tuesday, 9 July 2013 and concludes at 12:00 p.m. on Thursday 11 July 2013

Where: Kibbe Field Station, Warsaw, Illinois

Cost: \$75 per person

**Cost includes lodging, meals, workshop materials, and refreshments during breaks and mixers.*

**Please bring toiletries, beddings and appropriate field gear (e.g., waders, rain gear, etc.)
Life jackets will be provided during boating exercises*

There is a limit of 35 participants and deadline for registration is 28 June 2013. If you are interested in attending or have questions about the workshop, contact Jeremy Tiemann (217-244-4594 or jtiemann@illinois.edu). Complete this form and return to the address listed below. A confirmation email with an agenda will be sent when registration packet is received.

Name: _____

Affiliation: _____

Address: _____

City: _____ State: _____ Zip: _____

Daytime Phone: _____

E-mail Address: _____

I will be paying by personal check (Please make checks payable to NCD/AFS)

I will be paying by state voucher (please email or mail a photocopy of the state voucher)

Return completed form and check (photocopy of state voucher form) to:

Jeremy Tiemann Attn: Catfish College
Illinois Natural History Survey
1816 S. Oak St.
Champaign, IL 61820

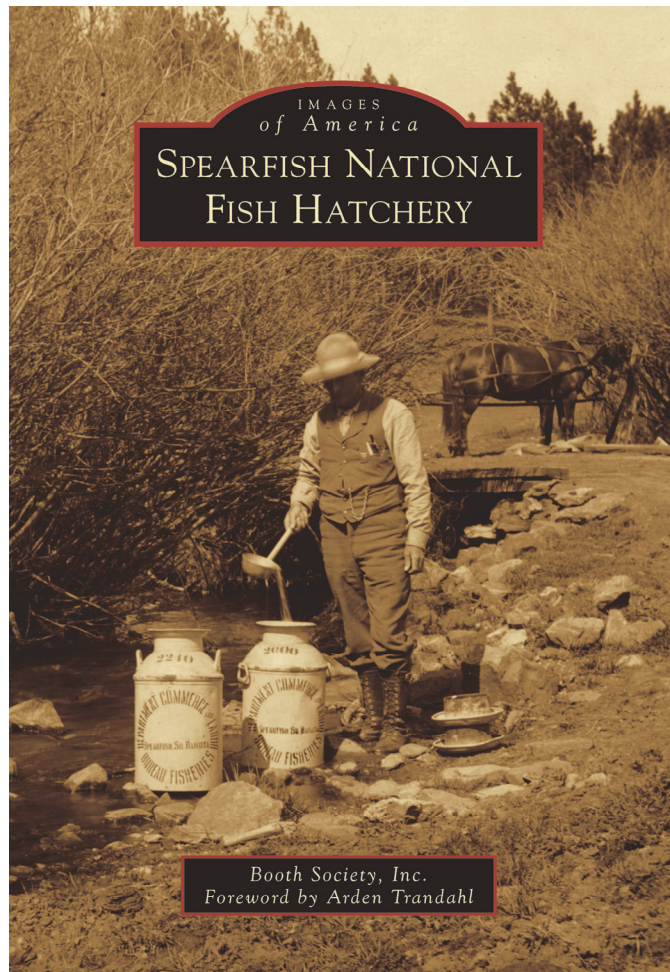
MEMBERS FORUM

Book Announcement by Carlos R. Martinez

Spearfish National Fish Hatchery tells an intimate history through scores of archival images of one of the oldest Service facilities in the nation.

In 1892, US Fish Commission scientist Barton Warren Evermann was on assignment to South Dakota from Washington, DC. His charge: survey fisheries and locate a site for a federal hatchery. The foray took him to the Black Hills and springs of Ames Canyon that poured into Spearfish Creek. The site was ideal. By 1899, Spearfish National Fish Hatchery started raising trout for the Black Hills and points beyond, and its effects on fishing were profound.

In time the mission changed to diet and genetics research, conservation training, and then to historic preservation that's now carried on there daily. The station's name changed, too.



Today's D.C. Booth Historic National Fish Hatchery and Archives—named to honor the hatchery's first superintendent—is a treasure trove of information related to fisheries conservation. The facility's historic and commanding hatchery building is iconic in the community and a one-of-a-kind museum. The station is the Service's first and only collection management facility dedicated to preserving fisheries history.

About the authors: Randi Sue Smith is the archive's curator and has handled most of its 175,000 items, including nearly all of the images in this book, many of which were viewed for the first time in decades. Carlos R. Martinez is the facility's director, and Craig Springer is a fish biologist and editor of the Service publication, *Eddies*. All three teamed up to write this book in partnership the facility's friends group, the Booth Society, Inc.

The book will be available in Spearfish, SD or via www.arcadiapublishing.com by July of 2013. All proceeds benefit the Booth Society, Inc.

New Management Plan by Mike Duval

The Minnesota DNR has recently completed a new Fish Habitat Plan that is available for download at the following link:
http://files.dnr.state.mn.us/fish_wildlife/fisheries/habitat/2013_fishhabitatplan.pdf

“Past habitat management activities have focused on nearshore physical habitat (aquatic plant removal permitting), riparian stewardship (acquiring land and restoring shoreline), and stream channel improvement. In addition to these successful traditional practices, this plan recognizes the importance of watershed management to fish habitats, and suggests that the Section of Fisheries strategically interacts with the Division of Ecological and Water Resources and other agencies, local governments, lake associations, and other non-government organizations to advocate for fish and their habitats through watershed management.” *Page 3, Executive Summary*



This plan is intended to be electronic and not distributed in printed format.

Inquiries about the plan should be directed to: MN DNR Fish Habitat Program Manager 651.259.5207