



The Lateral Line

The Newsletter of the Utah Chapter of the American Fisheries Society

Volume 42

Issue 1

February 2016

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We will meet at the scenic Hidden Springs Ranch near Altamont, Utah on March 15-17. Our theme this year is “Fish need water (FISH₂O)” encompassing the problems for fish populations and fisheries management created by recent droughts and the threat of long-term climate change. We have two acclaimed plenary speakers who will address issues of climate change and potential mitigation for fish populations – Dr. Sarah Null (USU) and Dr. Clint Muhlfeld (USGS).

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I look forward to an exciting meeting in a beautiful setting. Look for more information about registration, lodging, etc., on the website. See you there.
Mark C. Belk, President UAFS

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Registration and lodging information on page 2.

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2016 Annual Meeting

2016 Utah Chapter of the American Fisheries Society

Annual Meeting

March 15-17th, 2015 Hidden Springs Ranch

REGISTRATION:

Early UTAFS Member:	\$80	Late UTAFS Member:	\$100
Early Non-UTAFS Member:	\$130	Late Non-UTAFS Member:	\$150
Early Student UTAFS Member:	\$25	Late Student UTAFS Member:	\$30
Early Student Non Member:	\$50	Late Student Non Member:	\$60
Early One Day Registration:	\$70	Late One Day Registration:	\$80
Extra Banquet Dinner:	\$30		
Utah Chapter Membership:	\$25		

ONLINE REGISTRATION:

Register through www.utah.fisheries.org through the Annual Meeting 2016 tab.

EARLY REGISTRATION DEADLINE FEBRUARY 23rd.

I am looking forward to our annual meeting this year at Hidden Springs Ranch near Altamont Utah. This will be a great venue for the meeting, but along with all of the location advantages, it also presents some specific challenges. One challenge is how to provide lodging for all of the attendees. To accommodate a group the size of our chapter (we are expecting about 100-120 people) we have use of all of the lodging facilities for the entire resort. We have rooms that can accommodate anywhere from 2 to 12 people. It is my job to assign lodging to all attendees. I hope to be able to keep everyone happy for their two-night stay, and I think I can do it as long as you know what to expect. So, expect to be assigned with up to three other people as roommates in a nice, clean, comfortable room. Expect to have shared bathroom facilities with other rooms. For example, some of the cabins have multiple bedrooms and one or two bathrooms for all occupants to share. Expect to have no complaints about your room arrangements.

To make this work as smoothly as possible, please provide a list of 3-5 other people that you would prefer to room with when you register. I can then assign groups to specific lodging arrangements. If you don't care who your roommates will be, you don't need to send preferences. Registration is due on **February 23rd**, and I will assign lodging and arrange the meeting schedule as soon as possible thereafter. After you see the room assignments and meeting schedule, let me know via email (mark_belk@byu.edu) if I missed something in the arrangements or schedule and I will make it right. I look forward to a great meeting.

Sincerely, Mark C. Belk, President, Utah Chapter American Fisheries Society

2016 Annual Meeting

SECOND CALL FOR PAPERS!

Send them to mark_belk@byu.edu

Please send information by February 29th

We encourage all members of UAFS and other interested individuals to sign up for a research presentation or poster, or to give a status report on fish and fisheries related issues around the state.

1. Name(s) and affiliation(s) of author(s) with an indication of who will present
2. Title
3. Abstract (about 200 words)
4. Poster or oral presentation
5. Professional or student

In addition, this year we are holding a special session to cover updates and status reports from fisheries professionals around the state. To accommodate many individuals we will use a “lightning talk” format (5 min. presentation + 2 min. questions) for this session. We hope to have representation from all DWR regions, other government agencies (BLM, FWS, USFS, etc.), and other organizations (TU and others). To schedule a presentation in this lightning session, please send the following information via email to mark_belk@byu.edu

1. Name and affiliation of presenter
2. Title indicating the agency and region or area represented in the update.

SUGGESTED TOPICS FOR CONTRIBUTED PAPERS AND POSTERS INCLUDE BUT ARE NOT LIMITED TO:

1. Fisheries Management and Monitoring (Native & Sportfish)
2. Recovery Programs
3. Stream Restoration and Aquatic Habitat Monitoring
4. Aquatic Invasive Species
5. Fish Culture
6. Stream and Boater Access

2016 Annual Meeting

CONTINUING EDUCATION COURSES:

1. Entomology: Taxonomy and Bioassessment Review
2. Match the hatch: fly tying demonstration

AWARD NOMINATIONS:

1. Award of Merit
2. Partner of the Year
3. Professional of the Year
4. Habitat Conservationist of the Year
5. Lifetime Achievement Award
6. Leaky Boot



Email nominations to Mike Fiorelli mfiorelli@utah.gov.

SLIDESHOW PHOTOS:

If you have any photos you would like to provide for the banquet slideshow please email photos to Calvin Black calvinblack@utah.gov

FISHING INFORMATION:

Chapter members are welcome to fly-fish at any of the ponds on three properties ([Hidden Springs Ranch](#), [Falcon's Ledge](#), [Six Lakes Resort](#)) while attending the annual meeting. A valid Utah fishing license is required and barbless hooks are required.

PHEASANT HUNT INFORMATION:

Chapter members have the opportunity to hunt [Pleasant Valley Preserve](#) for pheasants while attending the annual meeting. A minimum purchase of **four birds** per person and use of dogs required during hunt. Dogs and guides are available through outfitter if needed. Limited dog kennels are available for personal use at Falcons Ledge.

Any questions on pricing or bird orders contact Calvin Black (435-650-5106) or calvinblack@utah.gov



President's Message

I hope all of you have enjoyed the beautiful fall and winter seasons. If you enjoy the outdoors and outdoor activities, you live in the greatest place on earth. I am convinced there are few other places that offer a comparable range and quality of outdoor experience. As a fishery professional you often get to experience the great outdoors up-close and personal. We should be grateful our jobs allow us to enjoy the outdoors and natural resources along the way.

As I meet members of the Utah Chapter of the American Fisheries Society and get acquainted with them and their work, I am impressed by the dedication and commitment they show to this work. However, most of the effort directed toward conservation of fish, providing quality fishing experiences, and preservation of fish habitat is unappreciated by the general public. Not only is it unappreciated, but fishery professionals, and other natural resource professionals, are often maligned and made scapegoats for circumstances outside of their control. When there is not enough water, not enough fish to catch, or some threatened native species in a pond on private land, it somehow becomes the fault of the fishery professional. This attitude is fueled by the anti-government rhetoric of small, but vocal extremist groups, and resource management personnel become easy targets. Recent events in Oregon and Nevada show the inane nature of these people, and unfortunately, several of our local and federal political representatives act and talk as if these actions are somehow justified. This sort of thing drives me CRAZY!

Amidst all of this stupidity and misinformation, how can I keep from being depressed? The best prescription is to go out and enjoy the great outdoor opportunities available to us here in Utah. For me, going fishing with my children works wonders. In addition, the friendships and professional support provided by the members of the Utah chapter of AFS keeps me informed and adds to my understanding of the complex issues associated with natural resource management and conservation. So, keep up the good work, don't let the crazies get to you, and enjoy your choice of outdoor antidepressant.

Best Fishes,
Mark C. Belk, President, UAFS



2016 Meeting—Reno, Nevada



CALNEVA/WESTERN DIVISION
41ST ANNUAL MEETING - 2016 RENO, NEVADA
FISH, SOCIETY, AND THE SCIENTIFIC METHOD MARCH 21-24, 2016 AMERICAN FISHERIES SOCIETY

Get ready for Reno 2016 – coming to you March 21-24!

The 2016 Western Division AFS meeting in Reno feels like it's right around the corner, because it's right around the corner. This year's meeting will be held in Reno, NV at the Grand Sierra Resort (GSR) the week of March 21. Reno provides a wealth of recreational and cultural opportunities, both in town and the surrounding Sierra Nevada, Lake Tahoe, and Pyramid Lake. Considerable thought went into the host location, and the CA/NV Chapter hopes to better engage their Nevada members by having the meeting in Reno.

As with any meeting, there are a lot moving parts and things are really ramping up. For instance, about 40 oral presentation and poster abstracts had been submitted about a week before the submission deadline, and now we have nearly 230 abstracts submitted. Oral presentations will be spread among 15 submitted symposia, a contributed papers session, and a student symposium for those vying for best student oral presentation. A pretty beefy poster session is also in the works and will include a best student poster contest. The Trade Show is starting to fill up and we're indebted to the generosity of sponsors that are stepping up to help provide financial support for the meeting, particularly the US Fish and Wildlife Service, several state agencies like Montana Fish, Wildlife and Parks, and several AFS Chapters like AZ/NM and OR. Committee chairs and members are cranking along lining up A/V equipment, getting squared away with the various socials, and putting finishing details on continuing education courses and field trips (<http://wd2016.fisheries.org/events/workshops-trips/>), spawning run (<http://wd2016.fisheries.org/events/spawning-run/>), and extra-curricular activities.



2016 Meeting—Reno, Nevada

If you are interested in attending Reno 2016, know that the GSR offered many perks and very reasonable room rates (<http://wd2016.fisheries.org/travel-lodging/>), and that we have a very slick website for the meeting (<http://wd2016.fisheries.org/>) that is continually being updated with the latest information. Joe Merz (Cal Neva President-Elect and meeting co-organizer) will be kicking off the plenary session that will focus on this year's theme: Fisheries, Society, and the Scientific Method: Challenging our Perception of Science, Policy, and Management.



Make sure to get in town on Monday for the opening social at the Discovery Center. Cold beer will be provided, and food will be available from several food trucks that will be on site. Renew connections and explore the touring Monster Fish Exhibition (which, incidentally, was partially funded through the WD AFS Small Grant Program) (<http://www.nvdm.org/monsterfish/index.php>). Students will get a kick out of the venue for the Student Social - the world-famous National Automobile Museum, billed as one of America's greatest automobile museums (<http://www.automuseum.org/>). For more information please check out the Schedule at a Glance (<http://wd2016.fisheries.org/schedule/>).



2016 Meeting—Reno, Nevada

Registration is now open (early bird deadline is February 19) and the GSR is taking reservations. Great room rates (\$79/night Sun-Thu, \$93/night Sat) are available if you want to come a day or two early (<http://wd2016.fisheries.org/travel-lodging/>). Hope to see you in Reno in March.

WDAFS 2016 Symposia

1. Professional Development
2. Student Symposium
3. A Framework for Riverscape Genetics: Integration of Spatial, Ecological, and Genetic Data in the Study of Lotic Systems
4. Protecting Fish Consumers by Protecting Water Quality: The Struggle to Develop New Human Health Criteria Water Quality Standards in the Pacific Northwest
5. Verification of Fish Design Criteria for The Built World
6. Biology and Management of Threatened Santa Ana Sucker in Highly Urbanized Southern California
7. Lahontan Cutthroat Trout: Advancing Biology, Conservation, and Management
8. Use of Acoustic Tagging to Evaluate Survival and Migratory Behavior of Juvenile Salmonids (combined with) Beyond Observation and Correlation: Using Telemetry to Test Hypotheses
9. Tidewater Goby Biology, Metapopulations and Management
10. Process-based Restoration - How Are We Doing?
11. Ecology and Management of Western Native Fishes (combined with) Desert Fish Conservation - Restoring Habitat, Passage and Watershed Connectivity in the Interior Basins of the Western United States
12. Conservation of Nevada's Desert Fishes
13. Ecosystem Management, Breaking Down the Silos
14. Ancient Fish and Current Research: Contemporary Studies of Sturgeon in Western North America
15. Aquatic Invasive Species Impacts, Control, Prevention, and Containment
16. Planning and Assessing the Pier E3 Implosion in San Francisco Bay



Treasurer's Report

Utah American Fisheries Society

FY15

December 17, 2015

Savings Balance	\$	25.09
Money Market	\$	1,628.00
Starting Business Checking Balance	\$	33,375.00
Income		
Gifts and donations	\$	0.00
Sponsorship	\$	15,500.00
Interest	\$	0.00
Total Income	\$	15,500.00
Expenses		
Hidden Springs Ranch down payment	\$	2,875.00
Excomm meetings	\$	0.00
Fundraising	\$	0.00
Website	\$	0.00
Total Expenses	\$	2,875.00

Balance of UTAFS funds in WDAFS Endowment

12/31/15	\$6,459.25
6/30/14	\$3,664.96
5/31/14	\$3,635.73
4/30/14	\$2,483.05
3/31/14	\$2,516.04
2/28/14	\$2,542.16
1/31/14	\$2,424.46
12/31/13	\$2,438.28
11/30/13	\$2,405.60
10/31/13	\$2,366.09

Thank you Gary Thiede for providing this financial summary. If you have questions about Chapter finances please do not hesitate to contact Gary by email at gary.thiede@usu.edu



Utah AFS Officers

At our 2015 meeting in Moab three colleagues were voted to participate in the executive committee. Special thanks to all who volunteered to run for office. Here are your 2015-2016 Utah AFS Officers.

Past President—Calvin Black, Utah Division of Wildlife

Calvin Black graduated from Utah State University in the fall of 2003. He has been employed with the Utah Division of Wildlife Resources for the past 13 years. He works out of the Southeastern Region Office in Price, Utah as the Assistant Aquatics Program Manager. He administers the sport fish program for the regional office. Calvin was previously employed as the Colorado River cutthroat trout Biologist in the Northeastern Region Office in Vernal and the June Sucker Biologist in the Central Region Office. Calvin is an avid outdoorsman spending his free time fishing, duck hunting, bow hunting and upland game hunting.



President — Dr. Mark Belk, Brigham Young University

Mark C. Belk is a professor of Biology at Brigham Young University. Mark received his Ph.D. from the University of Georgia in Zoology in 1992. He has been on the faculty at BYU since 1992, and has been the editor of the *Western North American Naturalist* for 9 years. His research focuses on evolutionary ecology with a focus in the evolution of life histories and effects of predation. He also works on conservation biology of fishes, including freshwater fishes of the American West, Central and South America. He has published over 80 papers in 35 different peer-reviewed journals such as *American Naturalist*, *Ecology*, *Oikos*, *Oecologia*, *Global Ecology and Biogeography*, and *Ecology of Freshwater Fish*.

His published work and presentations cover a range of topics from basic natural history to experimental and theoretical work in evolutionary ecology. Most of his work involves a combination of experimental and observational field work and laboratory experiments. He spends several weeks each summer in lakes, rivers and streams conducting research, although some have suggested that he is just fishing.

Utah AFS Officers

Mark serves on several advisory boards for conservation of threatened and endangered species. His research work has been important in guiding the management of least chub, northern and southern leatherside chub, Columbia spotted frog, and June sucker. He is a longtime member of the “Friends of Trash Fish”, and is prone to strike up a conversation about the wonders of fish, the politics of June sucker restoration, or the mating habits of livebearing fishes or burying beetles even in polite society.



Vice President—Cassie Mellon, Bureau of Land Management



I came to Utah from Alaska in 2006. I started working on the June sucker program in the Central Region and has since moved to the Salt Lake office where I am one of the native aquatics species coordinators. In 2011 my husband and I decided to quit our jobs, pack our van and travel around the U.S. and the world to pursue our passions of climbing and travelling. As amazing as that experience was, eventually the money runs out and after two years, I was thrilled to learn that my old job was open and I was able to return to a place I love. I enjoy working with the amazing native fish and amphibians in Utah as well as all of the other great people I get to work with here. Many weekends in the fall you can find me at Joe's Valley which in addition to being a great place to fish is one of the best bouldering areas in the world.

Utah AFS Officers

Vice President — Ben Brown, Utah Division of Water Quality

I have lived in Utah most of my life and consider myself very fortunate to be able to live in such a great and dynamic state. I currently live in Kamas where I enjoy having close access to the outdoors from my backyard. I lived in Montana for about 5 years to go to college and then moved back to Utah after getting my degree. I went to school at the University of Montana where I received a bachelor's degree in environmental studies with an emphasis in watershed science. With that I also obtained a minor in wildlife biology. After graduating, I was offered a job with the State of Utah Division of Water Quality (DWQ) as an environmental scientist. I have been with DWQ for 10 years now and am the lead field coordinator for most of the statewide monitoring programs that occur throughout the state.

Although I cannot claim to be a fish biologist by any means, I do work closely on water quality projects/issues that influence fish and fish populations. Much of the data I collect throughout the state goes towards assessing whether or not fish populations are negatively affected by water quality changes. Some of the key projects I coordinate are the National Aquatic Resource Surveys (NARS); Utah Comprehensive Assessment of Stream Ecosystems (UCASE); Rotating Basin Ambient Water Quality Surveys; Lake Sampling Program; and the Utah Fish Tissue Contamination Program.



Utah AFS Officers

Secretary/Treasurer—Gary Thiede, Utah State University

I was born in rural Wisconsin and received my BS degree in zoology from the University of Wisconsin (Madison) in 1990. I came to Utah first in 1992 and completed my MS degree in fisheries at Utah State University in 1997. After a stint in the Peace Corps in Zambia, and a year as a fisheries biologist with Oregon DFW, I came back to Utah in 2001. I am currently a research associate (fisheries biologist) in the Department of Watershed Sciences at USU. My professional interests include



fish conservation, predator-prey dynamics, and food-web ecology in lakes and streams. I have been a steady member of AFS since 2001, and I served as a committee member of the Utah Chapter of AFS from 2007-2009.

2nd Year Committee—Mike Fiorelli, Utah Division of Wildlife Resources



I am employed as a Native Aquatic Biologist for the Utah Division of Wildlife Resources in Vernal Utah. A majority of my work focuses on the three species conservation, but I also get to work with amphibians such as the boreal toad on occasion. I am currently pursuing my masters degree from Utah State. I am originally from Pennsylvania but moved out west five years ago and decided to stay. Some of my hobbies include fly fishing, duck hunting, upland hunting, and spending time outdoors.

Utah AFS Officers

1st Year Committee—Bryan Engelbert, Utah Division of Wildlife Resources

I am originally from a remote part of Michigan's Upper Peninsula. Here, I developed a love and passion for the outdoors, especially with the hobby of fishing. When I was 10 years old, I saw a PBS special, showing local DNR fisheries staff surveying a local trout stream. From that moment on, I knew what I wanted to do for a career, and 19 years later, I am still fulfilling that dream. Since those summer days in high school, I am still fishing, but my methods have been diversified greatly, especially since I took up fly fishing in 2008. Other hobbies of mine include hunting, camping, backpacking, and since I grew up in a bowling alley, I am somewhat proficient at bowling. Before moving out west for the first time in 2007, I never envisioned a career/future outside of Michigan, and to be honest, the idea of getting another degree seemed like torture. After a couple seasons working for western State agencies and living in several new places, my opinions and ideas slowly changed.



I have been involved in AFS activities in prior capacities. While attending the University of Illinois, I was the Treasurer for the university subchapter. While attending Lake Superior State University, I was President of the Fisheries and Wildlife Club (2006-2007), and in that capacity, had a seat on the Michigan Chapter AFS Executive Committee. The Club was and continues to be active in engaging young professionals in the science and art of fisheries management activities. The Club won the AFS most active student subunit award for the first time in fall of 2007, a tradition that seems to occur almost perennially since I left. I have taken advantage of chapter meetings as a forum to display my research, and feel AFS is THE organization to accomplish the sharing of thoughts, ideas, and technologies emerging in our field.

Utah AFS Officers

USU Student President—Jamie Reynolds, Utah State University



I grew up in the foothills of the Salt Lake valley where adventure was just out the back door. I developed a passion for wildlife through years of exploring the mountainside just behind my home, and a love for fish as an undergraduate student at Utah State University. In May 2015 I earned my B.S. degree with university and departmental honors in wildlife science, with minors in fisheries science and biology, from USU. My interests include fish-wildlife interactions, community ecology, food webs, anatomy and physiology, toxicology, conservation, freshwater and marine ecology, and population ecology. As a Master's student in the Gaeta Lake Ecology Laboratory, I am studying the potential impacts of invasive northern pike on endangered June

sucker and other fish species in Utah Lake, UT. Upon completing my M.S. degree, I will pursue a doctorate degree after taking some time to explore the globe. In my spare time I enjoy playing the bagpipes, running, fly fishing, hiking, traveling, reading, and learning different languages.

Web Guru—Cody Edwards, Utah Division of Wildlife Resources

Cody grew up in Oakley, Utah. He spent the majority of his childhood fly-fishing the Weber River and hunting upland game in the surrounding mountains. After graduating high school, Cody worked as a fly-fishing guide for an outfitter in Park City, UT. Concurrently, Cody was a Jan's Mountain Outfitters Frontier Travel Ambassador and was given the opportunity to travel with groups to fish for steelhead or Northern Pike and lake Trout in Canada and Bonefish, Tarpon and Bonefish in the Bahamas. It was through these adventures he felt the need to do more for the fisheries he enjoyed. While working as a river guide, he attended Utah State University working toward a degree in Fisheries and Aquatic Sciences. Cody Has worked with The Utah Division of Wildlife for two years as a technician and one year as the Aquatic Invasive Species Biologist for the Southeast Region Office in Price, Utah. He currently is pursuing a Master of Natural Resources Degree through Utah State University while working for the division.



Business Plan

Utah Chapter AFS Business Plan Summary

Recent events have highlighted the need to develop a Chapter business plan and enhance support for Chapter actions. Several contributing factors were identified.

- 1) Historically, a majority of annual meeting participants and Chapter members have been employees of the Utah Division of Wildlife Resources (UDWR). Because a large number of Chapter members are UDWR employees, the group is vulnerable to administrative and financial decisions made by UDWR leadership.
- 2) State and federal agency leadership have expressed concerns about the considerable costs continually incurred by supporting employees to attend Chapter and other annual professional meetings. State and federal budgets have tightened considerably and there is greater public scrutiny on expenses generated by large meetings. For example, UDWR leadership has made the Chapter aware that annual meeting costs covered by UDWR need to be reduced. The Chapter recognizes that it is mutually beneficial for both itself and employers of meeting participants to reduce meeting costs.
- 3) Some activities of Chapter members have been perceived as conflicting with the goals of agency employers or politically sensitive.
- 4) Chapter leadership seeks to continue holding meetings at independent, non-agency, meeting locations. Meeting outside workplace environments fosters emotional engagement among Chapter members in open discussions about issues related to fisheries and aquatic species management.

The Chapter serves many functions at the state level, which includes organizing and hosting the Chapter's annual meeting, funding special projects, and providing support to students through scholarships. The annual meeting typically consists of a plenary session, formal presentations by Chapter members in symposia covering broad topics and a platform for Chapter members to network. The annual meeting also serves as the primary fundraising event and primary expense for the Chapter and allows the Chapter to continue to provide assistance to members as noted above.

Business Plan

Annual meetings previous to the 2012 meeting have cost the Chapter between \$6,000-8,000 for an event location, catering, and audio/visual costs. Chapter members or their employers were typically responsible for membership dues, travel, meeting registration, and accommodation (e.g., room and on-site meal) expenses. Given Chapter membership is primarily comprised of state and federal agency employees, whose attendance is supported by their employers, member attendance is often reliant upon agency approval and support. The Chapter has, therefore, recently placed considerable emphasis on redistributing meeting expenses in an effort to increase employer willingness to support employee meeting participation. Cost redistribution efforts undertaken by the Chapter mean that (1) registrants are responsible for membership dues, (2) employers are responsible for registration and per diem costs during travel for each attending employee, and (3) the Chapter covers all food and lodging during annual meetings.

Traditional sources of revenue for annual meetings come from the following sources:

- 1) membership dues,
- 2) in-meeting fundraising proceeds,
- 3) meeting registration,
- 4) periodic hosting of WDAFS to generate revenue (\$15,000 to \$20,000) to subsidize annual Chapter meeting,
- 5) university workshops, and
- 6) agency reimbursement of meeting expenses (e.g., UDWR support of meeting registrants; excluding wage payment during attendance, averaged approximately \$20,000 annually).

Under the new model, funding comes from:

- 1) increased membership dues (\$5 to \$25),
- 2) sponsorships from agencies and other organizations that support the Chapter mission,
- 3) organized event proceeds (e.g., fishing tournament, trap shoot),
- 4) maximized in-meeting fundraising revenue,
- 5) selection of meeting location/timing based upon annual budget and projected attendance,
- 6) meeting registration, and
- 7) diversified and increased attendance from “nontraditional” participants (e.g., other natural resources professionals, anglers, and vendors).

Under this model, agency reimbursement is limited to registration fees and travel expenses (e.g., mileage). The success of these efforts in offsetting per-individual meeting expenses served as the primary reason for moving forward with development of a more formal business plan for the Chapter that allows for expansion of traditional revenue sources.

Business Plan

A model annual budget has been developed to help guide implementation of this Chapter Business Plan. The purpose of this budget is to illustrate generic Chapter income and expenses based on Chapter operations in previous years and should be used as a guideline for the development of an annual budget. An actual annual budget is to be developed and voted upon by the EXCOM, as per Chapter Bylaws, during annual meeting planning and preparation. As per Chapter Bylaws the EXCOM is allowed discretionary spending for annual meeting costs and travel. Chapter expenses greater than \$500 and not related to annual meeting costs or travel reimbursements must be voted upon by the general membership.

INCOME (Total)	\$35,000-\$47,000
Membership Dues*	\$2,500
Meeting Registration**	\$11,500
Minimum Sponsorship	\$15,000-\$25,000
Minimum Fundraising Proceeds***	\$6,000-\$8,000
EXPENSES (Total)	\$34,000-\$47,000
Meeting Space/Hospitality/Programs	\$22,000-\$35,000
Misc/Giveaways****	\$2,000
Awards/Student Sub-Unit Support	\$1,000
Fundraising	\$2,000
Scholarships/W.D. Endowment/Special Projects	\$5,000
Electronic Media/123 Signup/Square Up	\$500
EXCOM Meetings and Travel	\$1,000
Charitable donations	\$500

*Membership dues: \$25/member with a goal of 100 or more members = \$2500

**Meeting registration based upon the following suggested prices and goals, rounded up: \$75/member (\$7500); \$125/non-members (\$3125); \$25/students (\$500); \$50 non-member students (\$250)

***Annual fundraising includes in-meeting activity, fishing tournaments, fun runs, trap shoot, etc.

****Miscellaneous/giveaway expense does not exceed the previous year's collected membership dues.

For more information about the Utah AFS Business Plan go to www.utah.fisheries.org to find the full version of the plan.

Featured Fisheries Projects

With the revival of our Lateral Line we decided to feature ongoing fisheries projects conducted by Utah Chapter members. In each issue we hope to highlight projects from each student subunit and at least one project from a Utah professional. As the year goes on, please keep your Executive Committee aware of interesting projects occurring in our state. In addition, encourage your colleagues to present their findings at our annual meeting. Many thanks to our contributors!



2015-2016 Utah Chapter Executive Committee

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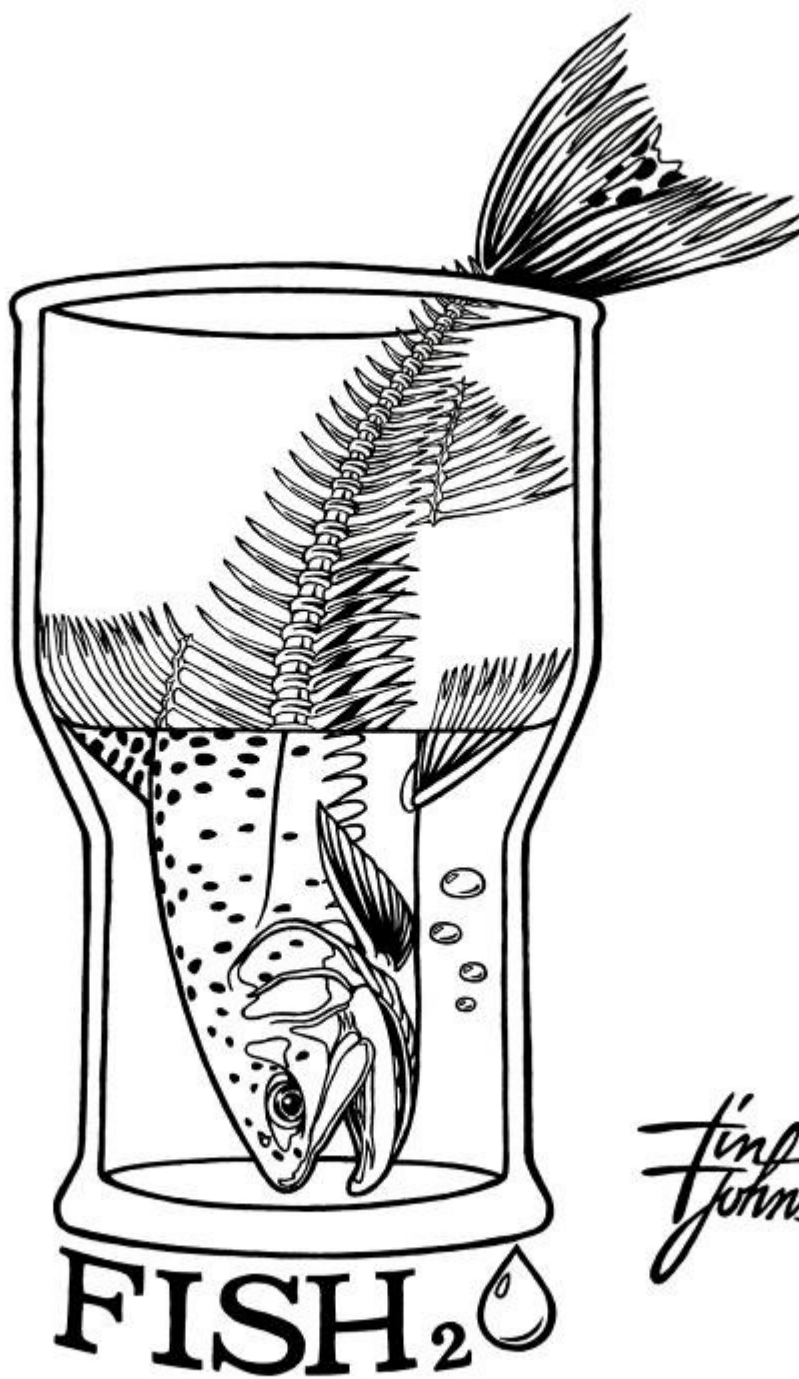
Utah State University Subunit

Our most recent club activity involved bashing burbot at Flaming Gorge Reservoir. We fished into the wee hours of the morning only to catch a grand total of six burbot. We don't blame them for not wanting to be endlessly poked and prodded by a group of curious and enthusiastic fisheries students. The next morning we helped the UDWR and Wyoming Game and Fish Department (WGFD) with the Burbot Bash check-in station in Manila, UT. Some of us helped anglers count and scan their burbot (see Levi Simmons with tag scanner, below) while others helped the WGFD extract otoliths from roughly 150 burbot for an age and growth study. We want to thank Ryan Mosley, the UDWR, and the WGFD for allowing us to help. We had a blast! Other events for the semester include guest speakers from the division and another day of ice fishing. In addition, many of our students, both graduate and undergraduate, are currently preparing posters and oral presentations for the Utah AFS Chapter meeting in March.



Fish Tails or Fish Tales?





Finn Johnson
'16