



FISH SOUP

AZ-NM CHAPTER AMERICAN FISHERIES SOCIETY

Established 1967, Volume 47

Winter 2015

INSIDE THIS ISSUE

President's Message

Officers

Chapter News

2016 JAM Are you ready?
Awards nominations
Open positions
Facebook photo contest
Kelly Meyer Spotlight

Featured Articles

AIS
Rio Castillo

Western Division News

Meeting info
Student Scholarship

Parent Society News

Annual Meeting in Portland!

Student Updates

ASU
UofA

Opportunities and Information

Calendar of events/deadlines

President's Message:

Hello Everyone. Hope this finds everyone catching their breath from a busy field season and getting to enjoy some home/family time. The year 2015 was busy for the AZ/NM AFS. We started out in Las Cruces with JAM by sponsoring the Piscicide Applicators and Resume/Interview courses. The piscicide course is re-occurring and is extremely important for our chapter members that require piscicide applicator credits. The resume/interview course was new for AZ/NM AFS and I couldn't have been happier with the turnout and feedback. Attendees were able to get firsthand information from state and federal agencies on how to fill out application forms and prepare for the interview(s). Thanks to all those that attended the business meeting. The agenda was busy but in the end we got through it and most importantly elected a new President-Elect, Jessica Gwinn.

In August, 15 AZ/NM AFS members made the trek to Portland, OR for the AFS Annual Meeting. That is great representation from a chapter our size and we used our presence to host a happy hour at a local brewpub. This being my first AFS Annual Meeting, I was thrilled to be there and soak it all in. If you have never been to an annual meeting, I highly encourage you to plan for Kansas City, Tampa or any of the future meetings. You will learn some new things, meet new people and be surprised as how many people you know within the fisheries profession. Oh yeah the parent society will make sure you are well fed and hydrated!

On a somber note, the AZ/NM AFS family lost a great person. For those that didn't have the pleasure of knowing Kelly Meyer, Kelly was a great family man, great biologist and great friend. His unexpected passing has been tough for those that knew him and personally I know JAM will not be the same without his laughter, stories and smile. During the 10 years I have been attending JAM, I honestly can say Kelly was one of the first people that made me feel welcome. Kelly was one of the first I would seek out and say hi to upon arrival.

What does 2016 have in store for AZ/NM AFS? Jessica Gwinn will be taking the reins of AZ/NM AFS Chapter. Very intelligent, highly organized and extremely motivated, you as a member of AZ/NM AFS are going to enjoy having her lead the Chapter. One of her main tasks will be to plan and host the 2017 AZ/NM JAM. This meeting carries a little extra something, as it will also be our 50th year as a chapter. If you don't know Jessica, I would encourage you to meet her at the Flagstaff JAM and offer your assistance. Time is always a concern for most people when asked about joining EXCOM or leading a committee. Not to worry, your family and full time job take precedence; your time commitment to AZ/NM AFS is what you can offer.

It has been a pleasure to serve the last year as the AZ/NM AFS President. I have learned a whole lot about our chapter and have attempted to keep us moving forward at the local, western and national level. As always, I want to thank our current EXCOM for their help. Thank you for your trust and I wish each and every one of you a Merry Christmas and a happy and healthy New Year.

-James Dominguez, 2015-2016 AZ/NM AFS President



Hilda (WD President), Jill Wick (AZ/NM) and Sharon Lashway (AZ/NM) enjoying AFS Grand Networking Event in downtown Portland.

OFFICERS

President:

James Dominguez

NM Dept. Game & Fish
1 Wildlife Way
P.O. Box 25112
Santa Fe, NM 87507
James.Dominguez@state.nm.us
Office: 505-476-8163



President Elect:

Jess Gwinn

USFWS Arizona Ecological Services Office
2321 West Royal Palm Rd, Suite 103
Phoenix, AZ 85021
602-242-0210 ex.249
jessica_gwinn@fws.gov



Past President:

Bill Stewart

AZ Game and Fish Department
5000 W. Carefree Highway
Phoenix, AZ 85086
623-236-7368 Office
BStewart@azgfd.gov



Secretary-Treasurer:

Sharon Lashway

AZ Game and Fish Department
7200 E. University Dr.
Mesa, AZ 85207
480-324-3541 Office
slashway@azgfd.gov





CHAPTER NEWS



presents the

**49th Joint Annual Meeting of the
Arizona/New Mexico Chapters of the Wildlife Society and the
Arizona/New Mexico Chapters of the American Fisheries
Society**

**Thursday – Saturday, February 4-6, 2016 at the
Little America Hotel in Flagstaff, AZ**

Conference Plenary:

Who Will Manage the Future of Our Public Lands?

Workshops (Thursday, February 4):

Piscicide 9AM -4PM | Interview and Resume building 8AM-4PM | Communication for conservation 8AM-Noon | Wildlife Legislation and Advocacy Noon-4PM | New Technologies and Apps 8AM-Noon | Drone Technologies Noon-4PM | Climate Change 8AM-Noon | Venomous Reptiles Noon-4PM

Conference registration at

www.regonline.com/JAM2016_AZ-NMChapters_AFS_TWS

For hotel reservations:

<http://flagstaff.reservations.littleamerica.com/bp/availStart.jsp?checkinYear=2016&checkinDay=4&checkinMonth=02&numberOfNights=2&numberOfRooms=1&numberOfAdults=1&numberOfChildren=0&owsLanguageCode=EN&groupCode=0216ARIZON>

Or call: 1-800-352-4386

Mention the Joint Annual Meeting of AZ/NM TWS and AZ/NM AFS More event information on plenary speakers, trainings and workshops, Student Quiz Bowl, photo contest, and student paper/poster competitions at www.aztws.org.

Interested vendors contact Natalie Robb at nrobb@azgfd.gov

Check both websites regularly for updates!



Awards

We have the opportunity to honor our peers and those outside our profession for their outstanding work related to fisheries and aquatic resources through awards given at the Friday night banquet during the JAM. If you know of someone who is deserving of one of the professional awards including the stinky boot award, please submit nominations to Bill Stewart bstewart@azgfd.gov and submit nominations for the Miles McInnis scholarship award to Julie Carter jcarter@azgfd.gov by January 15th, 2016. See website for details of each award and/or application.

Miles McInnis Memorial Student Award

Miles McInnis Memorial Award - a joint scholarship provided by the chapter and Aquatic Consultants, Inc. Awarded to 2 students (1 undergraduate and 1 graduate) that are members of the chapter. Applications are currently are being solicited and are due January 15, 2016 to Julie Carter. jcarter@azgfd.gov. See website for more information and the application.

Professional of the Year Award

The Professional of the Year Award is awarded to an individual employed in a capacity related to fisheries and aquatic resources. Nominations for individuals should include a brief biography along with information pertaining to service, impact on the resource and other professionals, and significant accomplishments.

Conservationist of the Year Award

The Conservationist of the Year Award goes to an individual or group not employed in the fisheries or aquatic resources professions, who have played a significant role in Fisheries conservation.

Fish Head of the Year Award

The nominee must have been a member of the Arizona/New Mexico Chapter of The American Fisheries Society for the majority of his/her career. The nominee must have a sustained record of productivity in applied fisheries science that must include research, management, conservation or education. This award is intended to honor an individual's record of achievements over their entire career, rather than accomplishments involving a single endeavor.

Stinky Boot Award—NEW!

The "Stinky Boot" award recognizes the most outrageous episode of any fisheries student or professional in the year subsequent to the annual meeting. Tell us your own tale or provide one for someone else (1 page or less). The winner of this prestigious award will receive a beautiful stinky boot traveling award to proudly display in his or her office.

Aquatic Macroinvertebrate Continuing Education Course

The AZ/NM AFS Chapter is proud to sponsor a 1 day aquatic macroinvertebrate identification continuing education course taught by Colorado State University professor of Entomology, Dr.Boris Kondratieff. Receive hands on training on dissection techniques used to correctly identify common aquatic macroinvertebrates. This course is free to AZ/NM AFS Members, but space is limited.

Date: February 3, 2016

Location: Arizona Game & Fish Department
3500 Lake Mary Rd.
Flagstaff, AZ 86001

Time: 10 am – 5 pm

Fee: \$0



Space is limited to the first 30 AZ/NM AFS Chapter members. If you are not an AFS Chapter member you can register here: <http://arizona-newmexico.fisheries.org/membership/> or

You can register to become a member when you register for the JAM: <http://arizona-newmexico.fisheries.org/>

This course is not affiliated with the AZ/NM Joint Annual Meeting (JAM). To sign up or to obtain additional information, please contact Amberle Jones (akjones@azgfd.gov) Deadline to sign up is January 15th.

FACEBOOK PHOTO CONTEST!

Thanks to all that submitted pictures to the Fall 2015 AZ/NM AFS Facebook photo contest and to all those that voted. The theme for the photo contest was: **Give us your best outdoor picture taken during field work.** Eleven excellent photos were submitted and each provided a reminder of what beautiful scenery we have in both Arizona and New Mexico. Each winner received a Cabelas's gift card and a AZ/NM AFS T-shirt

1st place: **Matthew Cornell**, Arizona
Western College student



"Fred the Rattlesnake"

2nd place: **Jacqueline Leivas**, Northern
Arizona University student



"Smile Lizard on mesquite tree"

ELECTIONS:

We are seeking nominations for **President-elect, Secretary, Newsletter (Co-)Editor** and **Student Liaison**. If you are interested or know of someone who is interested please submit their names to **Bill Stewart** bstewart@azgfd.gov by **January 15, 2015**. Since our current President-elect is from Arizona, we would prefer someone from New Mexico, but certainly are open to motivated applicants from New Mexico as well. If you want to know more about what it's like serving as an officer feel free to contact **Bill** any time.

KELLY MEYER (1961-2015)



Poem by Jason Kline

He came from the Corps of Peace
Moved out west after attending school in the east
I still won't credit a Hokie win
Although Kelly would say it's a Virginia Tech sin
Worked for the Apache – the tribe and trout
Never asked for accolades or even a shout
Went about work with his quiet discourse
Doing what he could without remorse
He would make his interns keep his stride
Even if they didn't realize what they'd learn from the ride
He'd look at you and scratch his head
Asking if you had an opinion of stead

I knew him as coworker and my friend
But enough time together, we did not spend
Shared a few beers over the fires of camps
Talked of work and other scamps
I lost more than one hand of hold 'em to him on the flop
He would just smile as he came out on top
He ran his races, keeping the pace
Sleeping in vans or crashing at each others place
Kelly cared, whether for family, or for the fish
It's just not fair he didn't get a dying wish
So, here's to you Kelly- I'm proud you were my brother in arms
I just wish I wish more of the world could have known your
charm.

Obituary for Kelly Meyer

On the evening of Wednesday, November 4, 2015, at 11:58 P.M., Kelly Joseph Meyer, unexpectedly, passed away from a massive pulmonary embolism at Honor Health Scottsdale Shea in Scottsdale, Arizona. Kelly was 54 years old. He was born on October 24, 1961, in Riverton, Wyoming. Kelly was the second child, and the 1st son of B Joe and Mary JoAnn (Schaffer) Meyer. Kelly graduated from Riverton High School in 1980 as a National Merit Scholar. Kelly graduated as valedictorian from Utah State University, College of Natural Resources in 1984 and achieved a Master's Degree from Virginia Tech University.



While Kelly served his time in the Peace Corp, in Africa, he gained a love for travel and world peace (HED) He Studied Spanish in South America. He loved the Spanish language and studied daily to learn it.

Kelly was a volunteer firefighter for the Lakeside Fire Department from 2001 to 2015. Kelly was proud of his professions. He was a Fisheries & Wildlife Biologist. He and his crew were instrumental in the process of listing the Apache Trout. Kelly worked for the White Mountain Apache Tribe Game and Fish Department and for the Arizona Department of Game and Fish up until the time of his death. He was also an active real estate agent in the White Mountains from 1998 to 2015.

He loved sports and the outdoors. He ran a 1/2 marathon, played basketball and was a wrestler, placing 2nd in state, while in high school. He loved taking his boys and friends fishing, camping and anything else outdoors. Kelly coached his children in youth soccer and basketball.

Kelly loved his wife, and best friend, Denise, and was so proud of his sons, Andrew and Jack.

Kelly is survived by his wife, Denise Christine (Throckmorton) Meyer; 2 sons: Andrew Joseph Meyer, John Jacob "Jack" Meyer; parents, B Joseph and Mary Meyer; his sister, Barbara Diane (James Allen) Brown of Riverton, Wyoming; brother, Jay Joseph Meyer of Laramie, Wyoming and by his brother-in-law, Jake (Leanne) Throckmorton.



Stopping the spread of invasive species

James Dominguez

Aquatic Invasive Species Coordinator; New Mexico Department of Game and Fish

In August, Arizona Game and Fish and the New Mexico Department of Game and Fish worked together to decontaminate a 54 foot houseboat that was being transferred from Lake Havasu to Elephant Butte Reservoir. Prior to the houseboat being loaded on a transport truck, AZGFD made contact with the boat owner informing him that a hot water decontamination and a 5 day drying time would be required.



Quagga Mussels



NMDGF employee using hot water to decontaminate the boat.

Working in 100+ degree temperatures over the course of two days, AZGFD employees and staff from Pacific States Marine Fisheries Commission scraped, vacuumed and used 140+ degree water to decontaminate the houseboat. Thousands of adult quagga mussels were removed during the decontamination, all which had the ability to reproduce and infest another waterbody.

Upon arrival in New Mexico, the houseboat received a secondary inspection and hot water decontamination by NMDGF Aquatic Invasive Species personnel. Decontamination was performed on areas that AZGFD officials didn't feel were 100% free of live mussels. Once decontamination was completed, the owner of the houseboat was issued a certificate of decontamination and allowed to launch.

Aquatic Invasive Species Programs in both Arizona and New Mexico ask that all watercraft and gear is completely Clean, Drained and Dried after every use.

Rotenone Treatment and Neutralization of Costilla Reservoir

Bryan Bakevich

Rio Grande Cutthroat Trout Biologist, New Mexico Department of Game and Fish



Costilla Reservoir

It's been almost 50 years since the New Mexico Department of Game and Fish (NMDGF) conducted a rotenone treatment on a large reservoir. In October 2015, staff from NMDGF, Arizona Game and Fish Department (AZGFD), Colorado Parks and Wildlife, U.S. Forest Service, U.S. Fish and Wildlife Service, Turner Enterprises, Inc. (TEI), and Vermejo Park Ranch treated the 350 acre Costilla Reservoir to restore Rio Grande Cutthroat Trout, Rio Grande Chub, and Rio Grande Sucker to their historic range. This reservoir treatment is part of a watershed-scale restoration project that has been underway since 2007 and encompasses an additional 20 mountain lakes and about 120 miles of stream habitat.

During July and August, NMDGF and TEI staff treated the remaining stream reaches between constructed fish migration barriers and Costilla Reservoir. We also constructed temporary fish barriers just upstream of where the five main tributaries entered the reservoir to prevent recolonization of those tributaries. In October, 52 people from NMDGF and partner entities applied 172 barrels of rotenone powder and 182 pails of liquid rotenone formulation to approximately 8500 acre feet of water contained by the reservoir. From this time until lake neutralization, we treated the dam outflow with potassium permanganate to prevent fish mortality downstream of the project area. The results from sentinel fish and formal water quality testing indicated that toxic levels of rotenone were delivered to all areas and depths of the reservoir.

One week after the rotenone treatment, NMDGF staff returned to neutralize rotenone left in the reservoir. As suggested by in situ bioassays, we applied potassium at a rate of 2 parts per million (ppm), or about 23 tons on chemical, to neutralize the 1.5 ppm of rotenone we applied. The day after we applied the potassium permanganate, sentinel fish indicated that the rotenone had been successfully neutralized.



Biologists getting ready to treat the reservoir.

For this project to be successful, a host of NMDGF staff were involved in its planning and implementation. Not only were the treatment details important (e.g., building and testing equipment, chemical distribution logistics), but the tasks associated with running a remote camp for that many people were just as important. With night temperatures in the low 20's, a camp with some heated wall tents, catered meals, and other comforts helped keep our spirits up and the project moving forward. So far all the data suggest that the treatment was successful. But just as importantly, I was pleased to see so many biologists and other staff from diverse backgrounds working together and forging new relationships.



The remote camp set up included catered meals, propane heaters and lots of laughs and catching up as biologists from across the west gathered together for a common goal. The snow and cold couldn't keep us away.



Preparation started years before the treatment, but the week and days before chemical had to be transported, stored, and made ready for the big day.



After the treatment, all rotenone barrels and cans from the 23 tons of chemical that was dispensed had to then be rinsed and compacted for disposal.



2016 Cal-Neva Western Division AFS Annual Meeting

Fisheries, Society, and the Scientific Method

Reno, NV

March 21-24, 2016

Grand Sierra Resort

Offering:

- Excellent symposia and meeting amenities
- World class skiing, Lahontan cutthroat fishing
- Meeting rates before/after to extend your stay

<http://wd2016.fisheries.org/>



Eugene Maughan Graduate Student Scholarship

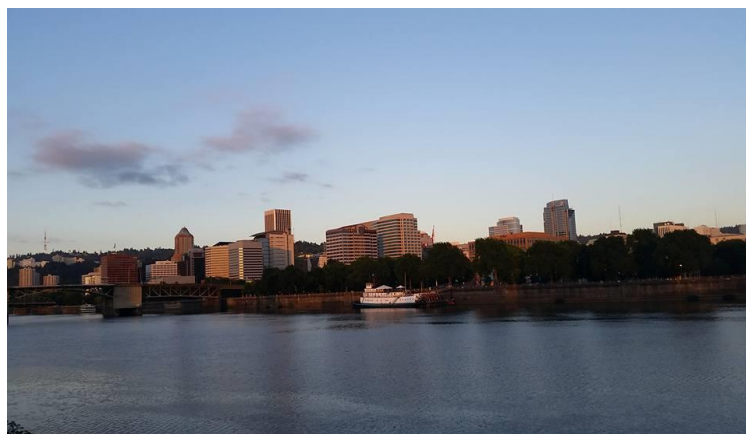
Deadline: January 1, 2016

This scholarship program provides up to \$5,000 annually in scholarships to masters or doctoral students in the general area of fisheries science with one to three awards to individual students. Beginning in 2002, the Sustainable Fisheries Foundation established the William Trachtenberg Memorial Scholarship Fund, which augments the Western Division scholarship program. This fund provides up to \$600 annually to a graduate-level student conducting studies on fisheries sustainability. Applications for the Western Division scholarship program will automatically be considered for the Sustainable Fisheries Foundation scholarship program as well. An award committee of five fisheries scientists from the Western Division will make the decision regarding the award of scholarships from both programs. Selection criteria include demonstration of:

1. Excellent scholarship as evidenced by grades in rigorous course work during the last 60 hours as an undergraduate and during graduate studies.
2. Potential for future contributions to the fisheries profession through management, research, or teaching.
3. Significant progress toward attaining a graduate degree in fisheries science with a defined thesis or dissertation project.

See Western Division AFS website and click the Student's tab for more information and the application.

Portland! I'm heading to Portland!! Oh no...Portland has super-efficient public transportation! As I traveled from Phoenix, a city that desperately tries to play in the "big league" with other cities, I was immediately concerned about getting on the wrong bus, or the wrong train, or missing my station. The Western Division and Parent Society of AFS



Portland Skyline and Willamette River

provided every meeting participant with a free public transportation pass for the duration of the meeting; a huge help seeing as how my hotel was located on the opposite side of the Willamette River from the meeting venue at the Portland Convention Center. My worries disappeared as I rode the train and saw an ever increasing presence of "fish heads" board the train at each stop. We were clearly identifiable throughout the city due to our conference lanyards and conference logo computer bags. Fish Heads had taken over downtown Portland. And then it hit me..."Look at all of these people working towards managing and protecting the same resources that I do!" It was time to get down to business.



Fish heads take over downtown Portland

I attended the "Leading at all Levels in AFS" workshop upon prior suggestions from my colleagues. I have since suggested that this course be available as a webinar to all members of AFS due to how valuable and informative the contents were to all levels of membership. One of the biggest things that stood out to me was the size of our membership. AFS has over 8,000 members and 62 committees! That is a lot of work going on in the background that many of us don't know about. Each one of those 8,000 members (ourselves included) has the ability to be leaders in this Society. Anyone who is enthusiastic, has AFS knowledge, is an effective communicator, effective time manager, approachable, and innovative can assist the Society at every level from Student Subunits to the Governing Board! We learned about the overall structure of AFS and the roles and responsibilities of each staff/Governing board member; how to be an effective leader; how to develop a work plan; the basics of why we have rules, by-laws, and

procedures and how to develop/implement into each unit; and how to conduct effective meeting. We had a sneak peek at the new AFS website that includes a whole section dedicated to resources for the units including budget templates, PowerPoint templates, meeting guidelines, by law templates, and the list goes on!

I ran across the street (literally) to catch the second half of the Western Division Executive Committee Meeting after the leadership course concluded. Highlights from the meeting included approving the year's budget and continued planning for the 2016 Western Division Joint meeting with the CalNeva Chapter in Reno, Nevada (March 21-24). We have an amazing group of representatives from our Western Division Chapters who do so much to provide funding opportunities (scholarships, small grants, etc.), networking events, and opportunities for our students and professional members to get involved with the Society.

The theme of this year's meeting was...No Theme! AFS wanted everyone in the meeting to participate regardless of your specialty. There were 3,310 attendees, representing 32 countries, participating in 101 symposia, with over 2,000 oral presentations. Trying to plan your daily schedule can get a little hectic with all of those choices! I participated in the following symposia: What's New with Native Trout, Developments in Low-cost Side Scan Sonar Applications in Aquatic Research and Conservation, Watershed Scale Piscicide-Driven Restoration Efforts: Challenges and Successes in Endemic Species



Western Division Excom Meeting



Side Scan Sonar Symposium well attended!

Recovery, and Communication and Engagement in Fisheries Management: Working with Stakeholders to Achieve Sustainable Fisheries and Healthy Ecosystems. I also had the chance to see at least a hundred more presentations scroll past my face as I volunteered for a three hour shift uploading presentations for the duration of the meeting.

The diversity and amount of work in our field is absolutely astounding! Being able to share our knowledge and experience with scientific community is the only way to push forward and advance in this field. Meetings such as these allow us to connect in this way! I am a strong advocate for all of our Chapter members to strive to attend at least one of these larger meetings, as it has opened my eyes to the endless possibilities that my work as a biologist can contribute to our natural resource management. I am honored to have received the Western Division/AZ-NM AFS Professional Travel Grant and am extremely thankful for the experiences that came with this meeting!

--Sharon Lashway

Student Updates

ARIZONA STATE UNIVERSITY; SUBMITTED BY HEATHER BRIGGS

Hello! My name is Heather Briggs and I am the vice president of the Arizona State University chapter of the American Fisheries Society. We are a main part of the Wildlife and Restoration Student Association at the ASU Polytechnic campus. This semester our club has done a lot of work to bring attention to the importance of building your resume and interview skills. We just recently had an extremely successful resume and interview workshop for students. We had employees from Arizona Game and Fish, the Forest Service, and the U.S. Fish and Wildlife Service come and give a presentation on the “do’s and don’ts” of resume building and then participate in “interviewing” students to prepare for future interviews. After the event some students said that it really helped them feel ready for their upcoming graduation.

Last year our club took a trip to the Grand Canyon during spring break and stopped to tour the Bubbling Ponds Hatchery in Page, AZ. We are trying to get a group together to make that trip again since it was a beyond exciting experience last year.

We are also getting groups together to attend both the SRM Annual Conference in Corpus Christi, TX and the Joint Annual Meeting in Flagstaff, AZ. In order to fundraise to make it to these conferences we are looking for donations and giving away prizes for donations (pictured below). We are asking for a minimum donation of \$5. If you are interested in donating please email me at (hbriggs@asu.edu) and I will let you know what the next steps are.



UNIVERSITY OF ARIZONA; SUBMITTED BY NEIL DUTT

Our chapter has been very busy this year. We had record high attendance at our meetings this semester, and very high new member recruitment. We wanted to start getting involved in the community, so we had two big community projects this semester. The first was a fish habitat construction project for Sahuarita Lake. Members of our club traveled down to Sahuarita and constructed multiple habitat structures out of pallets and cinder blocks and deployed them into the lake. The second community project was a fishing clinic that we put on at Kennedy Lake. The clinic was open to the public with the intention of raising awareness of the community fishing program, and to teach the public how to fish. Many other volunteer events took place this semester. We had members attend two bighorn sheep captures. Our members that were able to go to those captures had a great time networking with professionals and got some valuable hands on experience. Fundraising has been going well, and we are currently wrapping up our second annual wildlife photo contest. Our judges are still deciding on the winners but we were able to raise almost \$400.

Our members are looking forward to going to JAM. We have a lot of new members that have not attended a professional meeting, and they are eager to attend their first one. Several of our returning members are looking forward to attending any meeting concerning the women of wildlife program, and all of our members are excited to interact and share ideas with the other student chapters.

The new officer team is as follows:

President: Kaycie Waters	kayciewater@email.arizona.edu
Vice President: Brandon Mayer	butterzs@email.arizona.edu
Treasurer: Michelle DiCosola	mdicosola@email.arizona.edu
Secretary: Ol'ha Phillips	ophillips@email.arizona.edu
Historian: Corey Shaw	coreyshaw@email.arizona.edu

Information and Opportunities

Using Acoustic Tags to Track Fish

4-5 February 2016 - 9:00 am to 5:00 pm Attend Online or On-Site at University of Washington

Hosted at the 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

11-12 February 2015 - 9:00 am to 5:00 pm Attend Online or On-Site at University of Washington

Hosted at the 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

Hutton Junior Fisheries Biology Program

The Hutton Junior Fisheries Biology Program is a paid summer internship and mentoring program for high schools juniors and seniors, and is sponsored by the American Fisheries Society (AFS). Selected students known as "Hutton Scholars," are matched and mentored by a fisheries professional to enjoy a hands-on fisheries science experience in a marine and/or freshwater setting.

Hutton Scholars who successfully complete the program receive a \$4,000 scholarship as well as valuable work experience in an exciting and rewarding field.

Become a mentor today! Mentors hold the key to engage, inspire and enrich the next generation of fisheries professionals. To help with this, AFS staff are committed to working with mentors during the Hutton Program. AFS recognizes the importance of stimulating interest of fisheries science and management among groups underrepresented in the fisheries profession, including minorities and women. Applications are due February 27, 2016.

Calendar

<u>December</u>			
20	First call for abstracts due for JAM		https://aztws.com/wp-content/uploads/2015/11/First-Call-for-Papers-JAM-2016.pdf
20	Early Registration ends for JAM		https://www.regonline.com/Register/Checkin.aspx?EventID=1786475
<u>January</u>			
1	WDAFS Scholarship deadline		http://wdafs.org/students/scholarship-travel-award-information/
15	AZNM AFS Award nominations due		bstewart@azgfd.gov
15	Miles McInnis scholarship due		jcarter@azgfd.gov
<u>February</u>			
3	AZ/NM AFS Macroinvertebrate class	Flagstaff, AZ	
4-5	Using Acoustic Tags to Track Fish	Seattle, WA	http://www.HTIsonar.com/at_short_course.htm
4-6	AZ/NM AFS/TWS Joint Annual Meeting	Flagstaff, AZ	http://arizona-newmexico.fisheries.org/jam/
11-12	Using Hydroacoustics for Fisheries Assessment	Seattle, WA	http://www.HTIsonar.com/ha_short_course.htm
19	Early Registration ends for CalNeva/Western Div. AFS		http://wd2016.fisheries.org/registration-2/
27	Hutton Junior Fish Biologist Mentor App due		http://hutton.fisheries.org/mentor-application/
<u>March</u>			
14	Last day for online registrations for CalNeva/ WDAFS		http://wd2016.fisheries.org/registration-2/
21-24	Cal-Neva Western Division AFS Annual Meeting	Reno, NV	http://wd2016.fisheries.org/
<u>August</u>			
21-25	AFS Annual Parent Society Meeting	Kansas City	

Notes from the Editor...

Thank you to those who contributed to this newsletter. I strongly encourage every member to contribute to the newsletter. I appreciate all articles, photos and input! This is a great opportunity to let the rest of the chapter know about the work that you are doing.

I would love to see any **photos** of fish, or of you working! Also, this is a great place to post opportunities and other **announcements**.

If you have any suggestions/comments, please let me know!

Your editor,
Sally Petre
AFS AZ/NM Chapter
SPetre@azgfd.gov



Webpage

If you have any comments about the webpage or have items you would like to see on the webpage, please contact Lisa Winters at: LWinters@azgfd.gov

New webpage!

<http://arizona-newmexico.fisheries.org/>

Facebook

We're on Facebook!

<https://www.facebook.com/groups/ArizonaNewMexicoChapterAFS/>

AFS Arizona-New Mexico Chapter Officers

President	James Dominguez NM Dept. Game & Fish 1 Wildlife Way P.O. Box 25112 Santa Fe, NM 87507 James.Dominguez@state.nm.us Office: 505-476-8163
President-Elect	Jessica Gwinn USFWS AZ ES Office 2321 West Royal Palm Rd Suite 103 Phoenix, AZ 85021 602-242-0210 ex.249 jessica_gwinn@fws.gov
Secretary/ Treasurer	Sharon Lashway AZ Game and Fish Department 7200 E University Dr. Mesa, Arizona 85207 slashway@azgfd.gov Office: 520-388-4453
Past President	Bill Stewart AZ Game and Fish Department 5000 W. Carefree Highway Phoenix, AZ 85086 bstewart@azgfd.gov Office: 623-236-7368

Environmental Affairs	Dave Weedman
Continuing Education	James Dominguez
Student Affairs	Amberle Jones
Nominations/Awards	Bill Stewart
Membership	Sharon Lashway

Student Sub-unit Contact Information

Jessica Latzko, ASU, jlatzko@azgfd.gov
Kaycie Waters, U of A, kayciewater@email.arizona.edu
Hunter Falco, NMSU, hrfalco@nmsu.edu

