



FISH SOUP

AZ-NM CHAPTER AMERICAN FISHERIES SOCIETY

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President's Message: *Bill Stewart*

Hi AFSer,

I hope you all had a wonderful summer and things are starting to slow down a bit for you. As hopefully you all are aware, the 2015 JAM is going to be held in Las Cruces NM February 5-7th. I encourage all of you to attend. These meetings are important for exchanging ideas and promoting all of the good work that each of you are doing.

This past August, I had the wonderful opportunity to travel to the National AFS meeting in Quebec City. These meetings are like our chapter meetings on steroids and are always such a great opportunity to network. They also serve as a great reminder of how important the American Fisheries Society is to fisheries

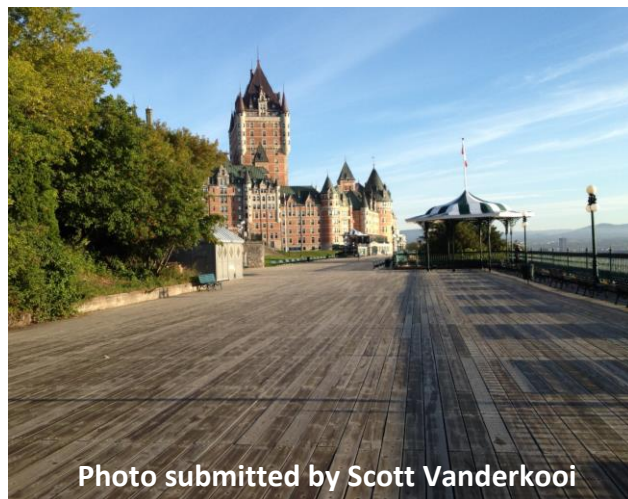


Photo submitted by Scott Vanderkooi

management and conservation across our country. As most of these meetings go, there was a considerable amount information exchange through the over 1600 presentations and posters and various section meetings. I had the opportunity to take an AFS leadership workshop which provided a great overview of how the society operates. This was very helpful in my role as the AFS AZ/NM Chapter President. We plan on sharing some of this information at our JAM business meeting. Other highlights for me include an eDNA symposium, speed mentoring, fisheries and information technology section meeting, dinner with the few of us from our Chapter that made the journey, and a fireworks show. The next meeting is a joint western division and parent society meeting that will be held in Portland next August.

Your excom has been busy this summer/fall. Highlights over the summer included our first ever facebook photo contest! Dave Weedman with the Arizona Game and Fish won the contest with

his picture of a group of chapter members holding up a AZ/NM AFS chapter banner during the Fossil Creek renovation. We plan on doing more contests so stay tuned.

Probably our biggest update so far this year is our new website. In a recent issue of Fisheries magazine the parent society offered a free service to chapters the help them set up websites using word press. We quickly jumped on that opportunity and are now up and running with the new site. Please take some time to check it out (<http://arizona-newmexico.fisheries.org/>). Our new webmaster Lisa Winters has done a fabulous job of working with the parent society to get our new site going. If you have feedback on the new site please let us know.

This past weekend we held an annual excom retreat at the Sipe wildlife area in eastern Arizona. We intend to make this a tradition as it is a great way for excom members and those that have been active participates in our Chapter a chance to reflect on where we are and where we want to go. We had 10 members attend this first annual retreat including student representatives from New Mexico State University, Arizona State University, and the University of Arizona. We discussed many topics at this meeting including a review of our committees, interactions with student subchapters, ways to give back to chapter members, communication strategies, membership, awards, our chapter's involvement at higher levels, and our business meeting. One particular item I want to highlight from retreat was our discussion on ways to give back to our members. We have a budget surplus and will be looking for ways spend those funds. We brainstormed a list of ideas which we will send out to members to vote on in the near future. Results from that survey will be discussed at our business meeting in February.



Finally, I would like to encourage everyone to think of someone who deserves one of our chapter awards. I know writing up awards takes time out of our busy schedules, but there many people in our field that do not get the recognition they deserve. Please take the time to look over the criteria and submit your nomination.

I hope you all have a wonderful holiday season and get some much needed rest and relaxation.

-Bill Stewart, 2014-2015 AZ/NM, AFS President.

OFFICERS

President:

Bill Stewart

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President Elect:

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Secretary-Treasurer:

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CHAPTER NEWS

48TH JOINT ANNUAL MEETING

Arizona and New Mexico Chapters The Wildlife Society & American Fisheries Society

- February 5-7, 2015
- Hotel Encanto de Las Cruces, 705 S. Telshor Blvd, Las Cruces, NM 88011;
<http://www.hotelencanto.com/>
- Register at: <http://www.eventzilla.net/web/event?eventid=2139036783>
- Second call for abstracts is due Dec. 15, 2014; email abstracts to appropriate program chair
 - Oral presentations FISHERIES: Tiffany Love-Chezem, TLove-Chezem@azgfd.gov
 - Oral presentations WILDLIFE: James Cain, jwcain@nmsu.edu
 - Poster presentations FISHERIES and WILDLIFE: Annika Keeley, atk25@nau.edu
 - [Raffle tickets for those that submit early!](#)
 - [Deadlines for early registration](#)



Plenary speakers will be discussing topics on landscape genetics, stable isotopes, telemetry, and use of unmanned aerial vehicles for vegetative mapping and monitoring. Workshops this year will be held on Thursday (Feb. 5) and include:

- 1) Piscicide application short course; \$30; 9am-4pm
- 2) Interview and resume building; Free; 9am-3pm
- 3) Wildlife handling and restraint; \$50; 8am-12pm
- 4) Comprehensive Wildlife Conservation Strategy; Free; 1pm-4pm
- 5) Law Enforcement Use of Social Media; Free; 9am-11am; *open to LE officers only
- 6) Program R; \$25 for each ½ day workshop; 8-11:30am AM session; 1-4:30pm PM session

Room rates (plus tax) are \$88 for single or double occupancy. Call 575-522-4300 or 1-866-383-0443 to make your reservations and be sure to tell them you will be attending the AZ/NM Joint Annual Conference. Rooms are being held for our use until January 31, 2015. A block of rooms has also been set aside at the Hampton Inn and Suites. The Group rate for the conference is \$89/night + Tax. The Hampton Inn and Suites, located at 2350 East Griggs Ave., is approximately 1 mile from the conference site at the Hotel Encanto.

See <http://drupal.wildlife.org/nm/> and <http://www.eventzilla.net/web/event?eventid=2139036783> for more information.



AWARDS:

The four award opportunities due **December 15** are:

1. **Miles McInnis scholarship** (Students only; send nominations to jcarter@azgfd.gov)
2. **Conservationist of the year** (send nominations to ymparoz@fs.fed.us)
3. **Professional of the year** (send nominations to ymparoz@fs.fed.us)
4. **Fish head award** (send nominations to ymparoz@fs.fed.us)

1) Miles McInnis Memorial: Student Award

The Arizona-New Mexico Chapter of the American Fisheries Society is pleased to announce that applications for one \$1,000 undergraduate student scholarship award and one \$1,000 graduate student scholarship award are now being solicited. This award program provides an opportunity for two students in the general area of fisheries science. An award committee of fisheries scientists will make the decision regarding the awards. The money will be awarded for the fall and spring semesters, 2015-2016. Recipient(s) will be honored and receive the award at the annual chapter meeting awards banquet in Las Cruces, New Mexico, February 2015. If students are unable to attend the meeting they will be recognized and the award will be mailed to them.

Application Criteria and Process

1. Applicants must be a member of the Arizona-New Mexico Chapter of the American Fisheries Society at time of application.
2. Undergraduate applicants must have completed at least 45 hours of study at a university in Arizona or New Mexico; graduate applicants must have completed at least 6 hours of study at a university in Arizona or New Mexico.
3. Applicants must have a major field of study that is related to fisheries or aquatic science.
4. Applicants must submit an application package containing the following:
 - A letter to the award committee that includes: A statement of the applicants career goals and reasons for applying for the award (<200 words);
 - A description of the student's degree program and the anticipated date of completion;
 - A description of the student's involvement in the Arizona-New Mexico Chapter of the American Fisheries Society;
 - The names, addresses and phone numbers of two faculty members familiar with the student's background and abilities.
 - Copies of undergraduate or graduate transcripts showing current student enrollment.

Please submit the application package before December 15th, 2014 via email to:

Julie Carter

Arizona Game and Fish Department, Fisheries Branch

5000 W. Carefree Hwy

Phoenix, AZ 85086

jcarter@azgfd.gov



2) Conservationist of the Year Award

The Conservationist of the Year Award is for significant involvement and accomplishments by an individual or group not employed in the fisheries or aquatic resources profession. Nominations should include a brief biography and discussion of the significant involvement and contributions towards conservation of fisheries and/or aquatic resources. The only criteria for this award is that the award is based on fisheries and/or aquatic resource-related work accomplished in Arizona or New Mexico and can span more than one year.

Please submit the nomination before December 15th, 2014 to Yvette Paroz ymparoz@fs.fed.us

3) 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.

1. Only members in good standing can make nominations.
2. The recipient must be a member in good standing.
3. The award is based on fisheries-related work accomplished in Arizona or New Mexico and can span more than one year.
4. The nominee may not be on the Nominations/Awards Committee.
5. Eligible accomplishments by the nominee can be from any of the following categories:
 - a. Administration
 - i. Development of innovative management programs, research activities, or facilities that significantly affect fisheries management and conservation on a regional or statewide level
 - ii. Leadership in implementation of regulations or management programs that address regional or statewide fisheries issues
 - iii. Development of new sources of funding for fisheries programs
 - iv. Leadership in the development of public outreach or recognition/award programs
 - v. Significant and effective promotion of fisheries management and conservation activities on a regional or statewide level
 - b. Culture
 - i. Development of techniques that produce fish more safely, more efficiently, or more economically
 - ii. Development of methods that produce species not formerly cultured
 - iii. Development of techniques that produce more fish
 - iv. Participation in the development of equipment that benefited fish culture
 - v. Promotion of fish culture
 - vi. Participation in the production of a record number of fish (may be station or species specific)
 - c. Education
 - i. Development of an innovative approach to fisheries education as illustrated through development of a new or revised course or curriculum
 - ii. Publication of a journal article, extension publication, book, or book chapter that contributed significantly to fisheries education
 - iii. Contribution of notable service in public education programs



- iv. Development of educational media (software, videotape, slide tape, etc.) that contributed significantly to fisheries education
- v. Outstanding contribution to the profession through service as an officer or other leader of an educational organization (e.g., Education Section of the AFS)
- d. Management
 - i. Development of management plans or strategies or implementation of management practices (reservoir or pond management plans, pre-impoundment work, habitat work, development of urban fisheries). This would include private water work
 - ii. Education of the public in areas of fishing or fisheries management (conducting fishing clinics, educational programs, contact with various media, development of brochures, newsletters, bulletin boards, fliers, popular articles, etc.)
 - iii. Coordination with different agencies (cities, counties, or federal government) or reservoir controlling authorities to develop or implement management strategies
 - iv. Participation in professional scientific organizations in the fisheries field to include offices held, committees served on, or other activities accomplished for the organization.
- e. Research
 - i. Research contribution should add to the understanding of a biological problem or to solving a resource problem.
 - ii. Research contribution can be basic, applied, or a combination.
 - iii. Research contribution should have been disseminated, in order of importance, in a peer-reviewed journal, non-peer-reviewed publication, or an oral presentation.
 - iv. Research in professional and public organizations in the fisheries field, which comment, advise, or review research activities.
 - v. In order of importance, the nominee's role in a research project should be directing the project or program, establishing the project or program, analyzing data, or conceiving the project or program.
- f. Technical Support
 - i. Development of new or improved design and/or construction of equipment used in field sampling, culture operations, lab analysis, etc.
 - ii. Participation in outstanding or unique management, research, or culture activities, which contributed significantly to the fisheries profession.
 - iii. Participation in programs to educate other fisheries workers or the public (fishing clinics, seminars, articles, brochures, etc)
 - iv. Accomplishments resulting in new or improved techniques or greater efficiency (data compilation and analysis, improved lab techniques, more productive fish culture techniques, improved fish sampling techniques, etc.).

Procedures for Determining Award Recipient

1. All nominations sent in by an announced deadline will be distributed to the Nominations/Awards Committee members.
2. The Chairperson and members will then vote to determine the recipient(s).
3. If more than one nominee is considered outstanding by the committee members, than multiple awards can be awarded.
4. If the members do not feel that there is a suitable nominee, than an award will not be given.

Please submit the nomination before December 15th, 2014 to Yvette Paroz ymparoz@fs.fed.us



4) Fish Head of the Year Award

1. 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.
2. 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. These may include:
 - a. A monumental multi-year project, or
 - b. Original techniques or research methods, or
 - c. New, fresh ideas, viewpoints, or data which contribute remarkably to conservation, management or basic understanding of fisheries resources, or
 - d. A new successfully executed fishery research or management program of regional importance, or
 - e. Imaginative and successful programs in fish conservation, education, or management at any level of teaching or graduate student guidance, or
 - f. Important faunal or ecological discoveries or new taxonomic criteria, or
 - g. Interdisciplinary research involving leadership in team efforts in the laboratory or field, or
 - h. Multiple successful efforts in a variety of fields such as biology, technical and popular writing, laboratory and field research, inspirational leadership, public outreach or education.
3. The body of applicant's work must have resulted in significant improvements in fisheries management or conservation, on-the-ground management practices, or fisheries policies.
4. The nominee has a chapter-wide reputation for excellence in fisheries science.
5. The nominee is recognized as a mentor to other fisheries professionals within the chapter.

Specification and limitations

1. Award recipient must be living at the time of selection
2. The award will not necessarily be made annually, but will be made only in such years, as there is substantial or unanimous agreement among members of the Awards Committee that an award is justified.
3. A CV of career achievements along with no more than three letters of support should be included with nomination.

Please submit the nomination before December 15th, 2014 to Yvette Paroz ymparoz@fs.fed.us

ELECTIONS:

We are seeking nominations for **President-elect**. 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 New Mexico, we would prefer someone from Arizona, 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.

FACEBOOK PHOTO CONTEST!

AZ/NM AFS EXCOMM announced our first Facebook photo contest, encouraging group members to submit their photos for a chance to receive fun prizes! The theme of this contest was "A day in the life of a fisheries biologist". Prizes were given to the two photos with the most "Likes"!!! Thanks for all the participants and submissions and congratulations to our winners! We look forward to more photo contests and lots more pictures!

1st place: David Weedman



"Fossil Creek Renovation Oct. 2004. Thanks AZ-NM Chapter!"

2nd place: Heidie & Matt O'Neill



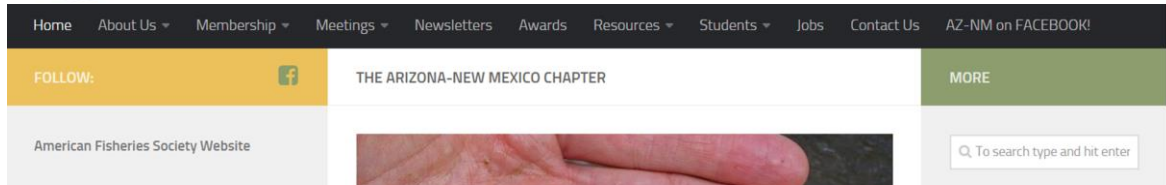
"July 2014: Our 3.5 year old son helping daddy (Matt O'Neill) scrub out the pond before the next experiment at Bubbling Ponds Native Fish Conservation Facility. We like to joke that he's AZGFD's youngest intern; he gets paid in room and board."

Check out our new website!!!

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



ARIZONA / NEW MEXICO CHAPTER
of the American Fisheries Society



WILD TROUT SYMPOSIUM

SUBMITTED BY MIKE ANDERSON, NATIVE TROUT COORDINATOR; ARIZONA GAME AND FISH DEPT.



Antonio Lopez and Mike Anderson attended Wild Trout XI in West Yellowstone, MT from September 22-25. This meeting is unique in that it brings together trout biologists, conservation groups, and anglers from across the United States to talk specifically about management of wild and native trout throughout the country. The first Wild Trout symposium was held in Yellowstone National park in 1974, and was organized by members of the USFWS, Trout Unlimited, and the EPA, and it has been held every 3-4 years since. It is a great forum to coordinate with other agency personnel on

common issues associated with trout management in the US. The focus of Wild Trout XI was “Looking Back and Moving Forward”, and touched on many of the issues that trout management has been, and still is being faced with. This meeting included presentations regarding ecological resilience, socioeconomics, invasive species, as well as broader status and overview for several salmonid species ranging from Brook Trout in the Appalachian’s to Westslope Cutthroat in the Pacific Northwest. Mike Anderson presented a poster entitled, “Conservation status of native trout in Arizona”. The major benefit of the meeting, outside of networking with a bunch of great biologists and professional development of course, are the multitude of places to do some hook and line sampling for everything from Brown, Rainbow, Yellowstone and Westslope Cutthroat, Grayling, and the elusive Mountain Whitefish (aka Montana Bonefish), which are so difficult to catch that Antonio never saw one.



Rio Costilla: Progress, challenges, and impacts of a large-scale native sport fish restoration project

Bryan Bakevich

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

Rio Grande cutthroat trout, like many native fishes of the Southwest, have experienced significant declines during the last century. However, over the past few decades, the Rio Grande Cutthroat Trout Conservation Team has been implementing management actions to conserve this valued native sport fish. In particular the Rio Costilla restoration project, although not yet completed, has already had a significant positive impact on its conservation status.



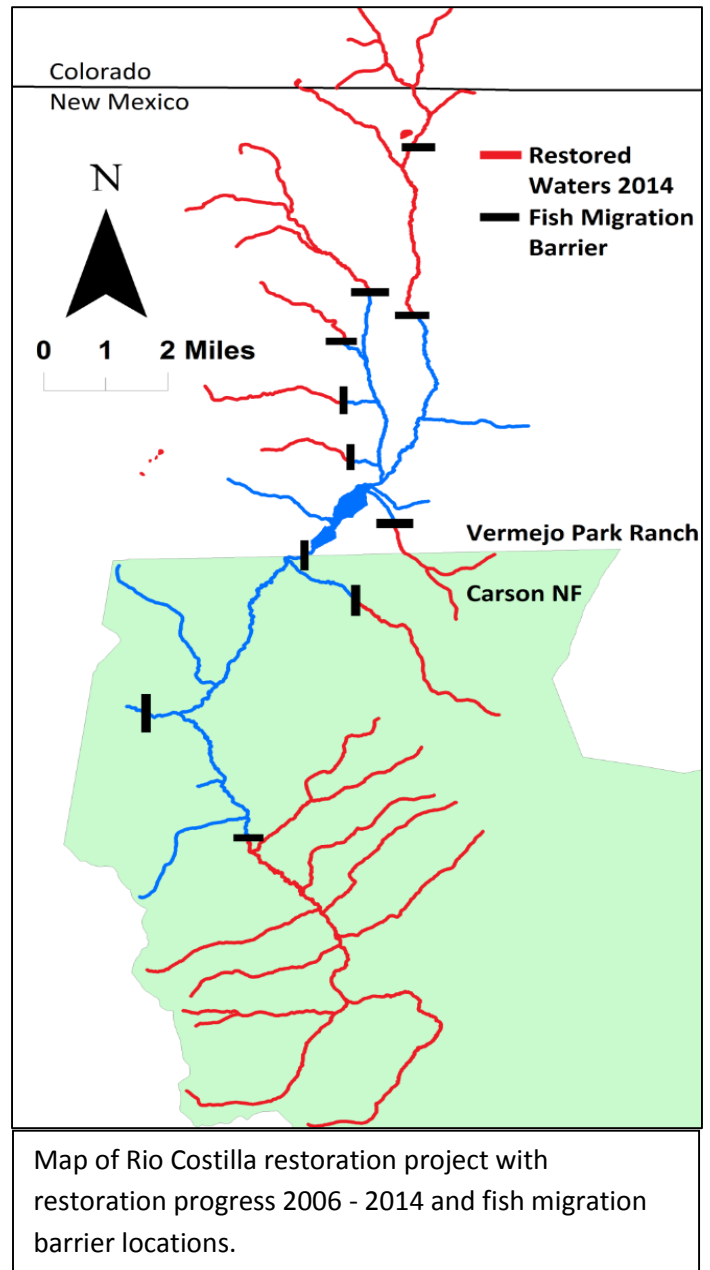
The Rio Costilla Rio restoration project area encompasses approximately 120 miles of stream habitat, 20 small lakes, and a 250 acre reservoir located on private the Vermejo Park Ranch and U.S. Forest Service land in northern New Mexico and southern Colorado. This effort consists of constructing fish migration barriers and using piscicides (i.e., liquid and powdered rotenone formulations) to eradicate nonnative brook trout, brown trout, rainbow trout, and cutthroat trout hybrids above those barriers. Given its large spatial scale, the project had to be broken down into smaller, more manageable sections (2-10 miles) that could be renovated and secured with temporary barriers each year.

Although some restoration within the project area occurred in the early 2000's, a majority of the work began in 2006 and continues today. As of 2014, nearly 70 miles of stream and have been restored to genetically pure, self-sustaining populations of Rio Grande cutthroat trout. The last seven

of the 20 lakes were renovated this year, some of which will be stocked this fall and next spring. We've demonstrated significant progress so far, but new challenges await us in the coming years.

In 2015, we plan to renovate Costilla Reservoir and the lower reaches of the tributaries that feed into it. This will be a complex treatment due to high habitat complexity, presence of spring and fall spawning nonnatives, and the large size of the treatment area. Upon successful renovation of the reservoir, Rio Costilla below the dam will present other challenges. This lower reach of the stream is a popular recreational fishery located on public land, is a large and complex treatment area, and has private land and water users immediately downstream of the treatment area.

The Rio Costilla restoration project has already increased the distribution of Rio Grande cutthroat and will represent nearly a 20% increase upon completion. The implementation and success of such projects, among other factors, contributed to the recent Fish and Wildlife Service decision to not list Rio Grande cutthroat trout under the Endangered Species Act. Although this listing decision is a testament to the work accomplished by the Department and its public and private partners, it doesn't mean that we can slow down now. More than ever, we are excited about our work to restore and manage Rio Grande cutthroat trout and look forward to continued progress on the Rio Costilla restoration project.

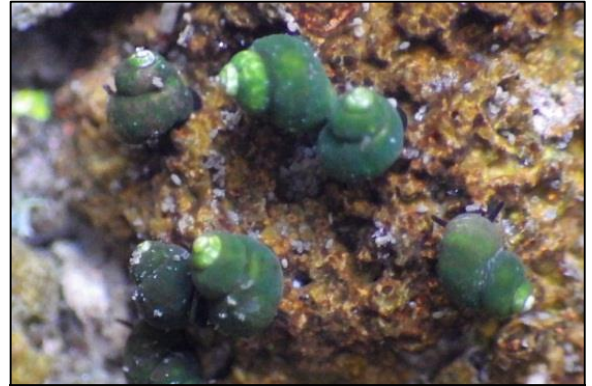


Turkeys, Snails and Crayfish...Oh My!

Three Forks Springsnail Habitat Improvement 2014

Jeff A. Sorensen, Arizona Game and Fish Department

Arizona's smallest endangered species, the tiny Three Forks springsnail, is getting some help from a unique partnership of natural resource agencies and non-government organizations. The Arizona Game and Fish Department has partnered with the National Wild Turkey Federation, the Nature Conservancy, the Phoenix Zoo, U.S. Forest Service, and U.S. Fish and Wildlife Service to improve and protect habitat for the snail in the White Mountains of central-eastern Arizona. The springsnail lives in shallow rocky springs in Boneyard Bog, along Boneyard Creek, and up until 2004, at Three Forks along Forest Road 249.



Three Forks Springsnail



In spring and summer 2014, the partners modified two of the historic springboxes at Three Forks to improve habitat for the snail and removed hundreds of invasive crayfish that were in residence. Springsnails will be repatriated to those springboxes if the improvements are successful in keeping crayfish out at the end of the three-year study.

Along Boneyard Creek, the partners installed enclosure fencing around six of the eight snail-occupied springs. These enclosures are designed to keep elk and livestock out of the springhead and springrun habitat, while still allowing access for smaller wildlife. Elk wallowing and trampling by livestock have degraded some of the springsnail habitat in the past. The National Wild Turkey Federation purchased the fencing material and supplies for the springbox improvements under an Arizona Water Protection Fund grant as part of a larger riparian restoration project. Department biologists were supported by State Wildlife Grant and Arizona Heritage Funds.



WESTERN DIVISION NEWS



Western Division Officers:

President:

Hilda Sexauer
Hilda.Sexauer@wyo.gov

President Elect:

Jim Bowker
Jim_bowker@fws.gov

Secretary-Treasurer:

Travis Neebling
Travis.Neebling@wyo.gov

Vice President:

Cleve Steward
cleve.steward@gmail.com

Past President:

Pam Sponholtz
longfin@infomagic.net

Student Representative:

Jane Sullivan
jysullivan@alaska.edu

Western Division AFS is now on Facebook!

Check them out on Facebook at: <https://www.facebook.com/groups/471328552983525/> or click on the link on the front page of the Western Division website. Don't forget about their webpage at <http://wdafs.org>

Do you need money for a project?!

Check out the Western Division's Small Projects Grants

The Western Division is now accepting applications for their Small Project Grants. Grants are usually modest (a total of \$5000 is available for FY 2015); but, can help get a project started or be used to complement other funding sources. Applications must be received by **December 1, 2014**.

For more information visit: wdafs.org/awards/small-project-grants/

WDAFS Scholarship and Travel Awards

Deadlines will be in April or May. Check the student section of the wdafs website for more information.

2015 WDAFS Student Colloquium

February 11 – 14, 2015

Network, attend workshops, practice your presentations, and receive feedback on your research hosted by Utah State University at Bear Lake Training Center! This is an opportunity to meet fellow Western Division students and learn about the diverse fisheries and current research in the West.

We are committed to coordinating a great event, at very little or no cost to students attending!

Important dates:

Initial RSVP (approx # students attending from sub-unit)—**Nov 15, 2014**

Abstract submission – **Jan 15, 2015**

Final RSVP (# of students attending from student sub-unit) – **Jan 25, 2015**

Contact information:

Stephen Klobucar – Utah State Student Sub-unit President – stephen.klobucar@gmail.com

Jane Sullivan—Student Rep. jysullivan@alaska.edu

Like and follow the USU Student Sub-unit on Facebook for updates on the 2015 Colloquium--

<https://www.facebook.com/AFSUtahStateUniversity>



The 144th American Fisheries Society Annual Meeting was held in Québec City August 17-21, 2014. Located on the bank of the St. Lawrence River, Québec is one of the world's most beautiful cities. The area's European appeal and North American lifestyle, complete with a storied history, thriving art scene, and vibrant French-speaking culture, make it truly one of a kind. There were 1,694 attendees from 37 nations. Forty symposia and 32 contributed paper sessions included 1,445 oral papers, and 221 posters. If you couldn't make it to Québec or just want to revisit your time there, you can see photos online <https://www.flickr.com/photos/americanfisheriessociety/collections/72157646806692835/> along with videos of the Plenary and Business Meetings <http://vimeo.com/user14635418/videos>. There was a strong showing of present and past Arizona and New Mexico AFS Chapter members and we celebrated with a dinner social at a local business.

“Bonjour! Merci! Je m’appelle...” these were the few words I remembered from one year of French class back in 7th grade. As I sat on my long plane ride to Quebec City, where people speak predominantly French, more words came to mind like rendezvous and parlez vous francais, but not much more. On

the last leg of the cross country journey, I was getting excited; most of the people on the plane were clearly “fish heads.” I could hear the joy in their voices about



Bill Stewart mentoring students and the Speed-Mentoring Event for students!



Steve McMullin teaching at the leadership workshop with Sally Petre, Bill Stewart, John Boreman, John Jackson, Jesse Trushenski, Jim Bowker, Jeremiah Osborne-Gowey, Donna Parrish, Steve Midway and others.

seeing old friends, networking, learning about novel research, and of course hear the jitters about presenting at the AFS annual society meeting. I, myself, was ecstatic about sharing and receiving feedback on my research, networking opportunities, learning about and being more involved with the society, and of course seeing old colleagues. Before I was through customs I had already seen a friendly face from an old job. These meetings make you realize just how big,

yet how small fisheries is!

Bill Stewart, AZ/NM Chapter President, and I attended the “Leading at all Levels in AFS” workshop, which was an eye-opener. I would suggest this workshop to those old and new in the society. Most officers of the society were in attendance, as well as the Emerging Leaders awardees, sections leaders, and those new to leadership like myself. Having such a diverse amount of people of all different levels of experience and points of view was actually a great benefit to the workshop. We learned about the structure of AFS; roles and responsibility of officers and Governing Board members; ethics and advocacy in AFS; how to develop a work plan (including our new President’s, Donna Parrish); resources for



constitution, rules, by-laws and procedures; and lastly how to run an effective meeting along with parliamentary procedure.

I also attended the Education Section, Equal Opportunities Section, and Fisheries Information and Technology Section meetings. Students, if you're looking for funding to get to meetings, check out their websites because all three sections have either travel awards or scholarships for students! All section meetings were very enlightening and I'm excited to get more involved at the Section level of AFS.

There were eight to ten concurrent sessions of oral presentations from Monday to Thursday, which made deciding which talks to go to quite difficult! I was able to attend talks from genetics, to creel surveys, telemetry, larval fishes, toxicology, standard sampling, you name it. My favorite part about these meetings is seeing what people outside of our Chapter are doing and how to incorporate some of their research into mine. The trade show was also informative. I was able to meet people from companies that I work with on a day to day basis, as well as check out new and innovative fisheries gear!



Learning about new companies and products (backpack electrofisher) at the tradeshow.



Networking with old colleagues.

Overall, the great scenery, seeing old colleagues and meeting new ones, learning about the society, and all the amazing research and science that is being done, not just here in AZ/NM, not just here in the West, but all over the world made this a great meeting for me. I thank AZ/NM AFS for supporting me to attend the meeting. I encourage everyone to get involved with a Section. This is where, I believe, you get your money's worth from being involved and a member of the parent society. This is where you network with other scientists, or students, or "fish heads" in your field, where the innovation and novel approaches spawn and where you can get a lot out of being a member.

--Sally Petre

The Value of AFS Membership . . . Full Society Membership

Thomas Bigford, Policy Director for AFS

The American Fisheries Society offers benefits at multiple levels – chapters at the state or university level (47), regions at a grander geographic scale (4 for all of North America), sections (21) and committees (another 20) at the topic level, and the full Society that encompasses those 92 units and adds unifying value to the great work done in each specialized unit. Are you a full Society member? Are you taking maximum advantage of your potential member benefits? Or are you missing one of the best deals around?

Only full Society members can access all Society benefits. You cannot receive most of Society benefits if you are only a member of the Arizona/New Mexico Chapter or the Western Division. Your chapter and division dues do not earn you a discount at AFS annual meetings, will not enable you to join sections that cover your academic or professional interests, and won't allow you to subscribe at member rates for the four preeminent, peer-reviewed AFS journals or purchase AFS books covering topics of interest to fisheries and aquatic resource professionals. When you join AFS you can also apply for official certification as a Fisheries Professional, a process available only from AFS that may help your career.

All of that will change when you join AFS you can also select as many sections, chapters, and other units as suites your interests. You can subscribe to Full Society membership. And if you're a student or young professional your member benefits come at a steep discount. Each person who joins as a full Society member contributes to an organization designed to assist you and your field from multiple levels. You'll gain access to professional staff at the Society office in Bethesda, Maryland, join the robust network of your AFS region, and meet AFS members who share interest in your discipline.

Those of you in the Arizona/New Mexico Chapter are well aware of benefits at the chapter level – your bi-state unit offers a solid history of technical information exchange (like this newsletter), professional networking, training events, job opportunities, and more. But are you equally aware of the benefits of expanding your membership to sections and the full Society?

By joining the oldest and largest fisheries society in the world you will gain access to benefits to meet your every need. Check out the membership application included in each issue of Fisheries (<http://fisheries.org/fisheries-magazine>). Don't dwell on what you've been missing. View your options as opportunities to take full advantage of the most prestigious society of fisheries professionals in the world! Oh, and did you know that your dues are tax deductible?

Show that you believe in the importance of your fisheries profession by joining AFS, those sections that span your disciplinary interests, and your chapter.

Student Updates

ARIZONA STATE UNIVERSITY; SUBMITTED BY BRETT MONTGOMERY

OFFICERS:

President	Brett Montgomery
VP TWS	Nate Fyffe
VP AFS	Michelle Vebber
Co VP SRM	Matt Kilford
Co VP SRM	Tyler McCafferty
Treasurer	Nicole Sanchez
Secretary	Kelsie Buxbaum



The Arizona State University Wildlife and Restoration Student Association (WRSa) has been pretty busy with volunteer work and education this semester. We work closely with AZGFD and use that relationship to

benefit both parties through volunteer work and guest speakers. We have helped AZGFD build desert tortoise pens and spotlight for black-footed ferrets. We have also been recruiting guest speakers on a number of different topics. Our next seminar is presented by April L. Howard, a Predator, Furbearer and Large Carnivore Biologist with AZGFD. More guest speakers are scheduled throughout the semester.

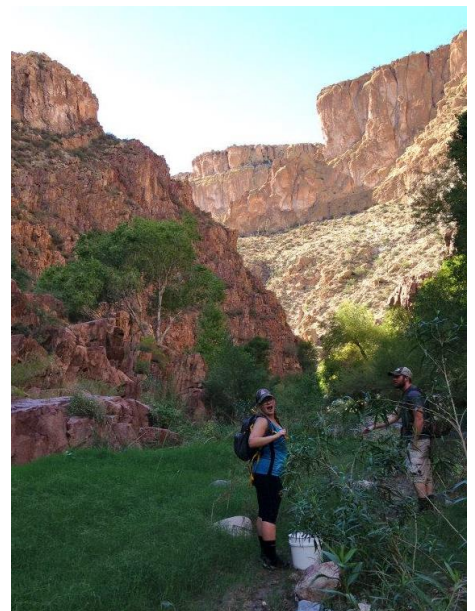
We have been preparing for JAM by getting the word out and building excitement. JAM is a fantastic opportunity for students and professionals. We look forward to training for Quiz Bowl, the piscicide applications course, and the wildlife handling and restraint workshop but we all understand the benefits of JAM extend beyond workshops.

We look forward to growing our club this semester and are actively reaching out to state and federal agencies. Our campus presence is growing and we hope to make this semester the best yet.

UNIVERSITY OF ARIZONA; SUBMITTED BY HANNAH MOORE

The University of Arizona American Fisheries Society Chapter has had some big changes this Fall. New elections were just held by the chapter, and the all new cabinet will be taking over January 2015.

Throughout the summer multiple members held fisheries internships with the Arizona Game and Fish Department. These members gained a slew of experiences working with both sportfish and Arizona's native fishes. Every individual involved was so happy to have this opportunity to gain real agency experience, and solidified their plans to work in fisheries one day. Since the semester has started back up, members have been helping professors on campus. We





participated in the bi-annual Aravaipa sampling trip in Aravaipa Creek, Arizona. This year the turnout was mainly students that had never had this amazing opportunity before. They loved the chance to handle some of Arizona's native fishes, and to assist in their conservation. A few of the new students were so excited that following the trip they switched into the fisheries concentration at The University of Arizona. Members have assisted Dr. Fitzsimmons with his tilapia farm, and learned about aquaculture and fish husbandry. We're also so excited that one of our members will be presenting at the Desert Fishes Council Conference in Mexico in November. It's exciting to see where the future of fisheries at the university is going!

In 2015 we are hoping to see some new fisheries volunteer opportunities in our area to help these new fisheries students gain experience. Members will also be attending JAM with some presenting research they have done at the university. Hopefully this will help us expand the club some more and teach some new individuals just how awesome fisheries work is!

Information and Opportunities

Using Acoustic Tags to Track Fish

5-6 February 2015 - 9:00 am to 5:00 pm Attend Online or On-Site at University of Washington School of Aquatic Fishery Sciences, Seattle, WA http://www.HTIsonar.com/at_short_course.htm
This course addresses all aspects of tracking fish movement with acoustic tags, including three-dimensional tracking with sub-meter resolution. It includes hands-on-operation and a variety of fish monitoring applications are covered. Lunch is provided for on-site students. Reserve a seat or ask a question at support@HTIsonar.com. Tuition Rate Offer (50% discount) for university students, university staff, non-profit and tribal organizations.
http://www.htisonar.com/Training_Special_Offer.htm

Using Hydroacoustics for Fisheries Assessment

12-13 February 2015 - 9:00 am to 5:00 pm Attend Online or On-Site at University of Washington School of Aquatic Fishery Sciences, Seattle, WA http://www.HTIsonar.com/ha_short_course.htm
This course covers mobile and fixed-location hydroacoustic survey techniques, including basic hydroacoustic theory, deployment logistics, data collection and processing, as well as typical results. Split-beam, single-beam, and multi-beam frequency techniques are discussed in detail. Lunch provided for on-site students. Reserve a seat or ask a question at support@HTIsonar.com. Tuition Rate Offer (50% discount) for university students, university staff, non-profit and tribal organizations. http://www.htisonar.com/Training_Special_Offer.htm

Calendar

November

15	Initial RSVP for WDAFS Student Colloquium	Jane Sullivan; jysullivan@alaska.edu
20-22	Desert Fishes Council Annual Meeting	Cabo San Lucas, Mexico http://www.desertfishes.org/

December

1	Western Division Small Project Grant Deadline	http://wdafs.org/awards/small-project-grants/
15	Mile McInnis Scholarship award Due	
	AZ/NM Chapter Award nominations Due	
	2nd Call Abstract Deadline for JAM	http://drupal.wildlife.org/nm/

January

15	Abstract submission deadline for WDAFS Student Colloquium	Jane Sullivan; jysullivan@alaska.edu
	Nominations for AZ/NM AFS Chapter President-elect deadline	Bill Stewart; bstewart@azgfd.gov
16	Deadline for symposia proposals for Parent Meeting	http://2015.fisheries.org/
25	Final RSVP for WDAFS Student Colloquium	Jane Sullivan; jysullivan@alaska.edu
26-30	Global Conference on Inland Fisheries	Rome, Italy inlandfisheries.org

February

5-6	Using Acoustic Tags to Track Fish	http://www.HTIsonar.com/ha_short_course.htm
5-7	48th Annual Joint Annual Meeting	Las Cruces NM
11-14	WDAFS Student Colloquium	Garden City, UT Jane Sullivan; jysullivan@alaska.edu
12-13	Using Hydroacoustics for Fisheries Assessment	http://www.HTIsonar.com/ha_short_course.htm
19-22	Aquaculture America 2015	New Orleans, LA www.marevent.com

March

13	First Call for Papers for Parent AFS meeting Deadline	http://2015.fisheries.org/
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April

1	Emerging Leaders Application Deadline	http://americanfisheriessociety.org/emerging-leadership-award-2014/
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June

22-24	Fish Passage 2015	Groningen, Netherlands www.fishpassageconference.com
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July

26-31	World of Trout	Bozeman, MT www.troutcongress.org
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August

16-20	AFS Annual Parent Society and Western Division Meeting Portland, OR	http://2015.fisheries.org/
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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



NEW 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/>

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