

President's Message

(Continued from page 1)

dates. We are looking for volunteers to help meet this need of the chapter. If you will look over the committees and decide which one you would like to work on and then let Anna Forest or I know that would be great. If all of us step up the load will be light. We would like to have people identified for the committees by mid August. All of us voted to accept this responsibility so I now ask each of you to step up and help. If you have any questions or concerns please let me know. Anna and I took detailed notes as we met with the Arizona-New Mexico and the Oregon Chapters and reviewed their operations and planning. Once the committees are set up we'll provide this information to them to help make the meeting more successful. Thank you in advance to your willingness to help

.....Paul Cowley



The Chapter and the State bids farewell to our past president Patrick Goddard. We wish Patrick all the best as he works to open his own hatchery in Colorado.

2008 Moab Meeting A GREAT SUCCESS – Thanks to All!

Hello everyone, certainly hope the summer and field season is going good for you all. I just wanted to include one more thank you to so many of you members who helped and contributed to another fun and successful annual meeting. We had approximately 110 individuals participate in the meeting at Red Cliffs Lodge. There was representation from the USFS, NPS, BOR, UDWR, UDNR, USFWS, USU, BYU, SUU, BLM, UMCC, Bio-West, general public and the list of acronyms could go on...

Our annual chapter meetings are a valuable resource and training opportunity, I hope we can all continue to support these meetings through our attendance and participation. We have a lot to offer one another by way of expertise, education and camaraderie. If anyone has suggestions or comment on the meetings in general please contact one of your EXCOM members so we can continue to improve and meet your needs.

Enjoy your summer and thanks again for everyone's help in Moab!!!

.....Mike Slater

Financial Summary

- Income from Registration and Raffle = \$9407
- Money paid for Facilities = \$6328.10
- Money paid to USU student chapter for shortcourse = \$860
- Total amount made from meeting = \$2218.90

As of June 1, 2008, the Utah Chapter of the American Fisheries Society had \$25,729.58 in its account.

.....Aaron Webber



WDAFS 2010 COMMITTEES

VOLUNTEERS NEEDED

(COMMITTEE MEMBERSHIP BASED ON 2008 MEETING)

GENERAL MEETING CHAIR

UT President Elect - Anna Forest

Program Committee (June 2009 to May 2010)

Co-Chair: WD President Elect

Co-Chair: UT President Elect - Anna Forest

Schedule: UT President Elect - Anna Forest

Posters Chair: [UT Chapter Member](#)

Artwork and Graphics Committee

(July-2008 to April 2010)

Chair: [UT Chapter Member](#)

Graphic Design: [UT Chapter Member](#)

Signs and Banners Committee

(Jan 2010 to April 2010)

[UT Chapter Member – 3 people](#)

Budget Committee (Sept. 2008 to Aug 2010)

UT Secretary - Treasurer

WD Secretary - Treasurer

Continuing Ed. /Workshops (June 2009 to May 2010)

WD Past President

UT President – Mike Mills

Fundraising Committee (Sept 2009 to April 2010)

WD Past President – Scott Bonar

WD President – Leanne Roulson

UT President – Mike Mills

Salt Lake City Official

Hospitality Committee (Jan. 2010 to April 2010)

[UT Chapter Member – 2 people](#)

Raffle Committee (July 2009 to April 2010)

[UT Chapter Members – 3 people](#)

Registration Committee (March 2009 to May 2010)

Chair: UT President – Mike Mills

[UT Chapter Member](#)

Office manager – supplied by UDWR, a Federal agency in Salt Lake or a University

Socials and Catering Committee

(Jan. 2009 to May 2010)

UT President Elect - Anna Forest

UT Vice President

[UT Chapter Member – 3 people](#)

WD Secretary Treasurer

Student Affairs Committee

(Sept. 2009 to April 2010)

UT Vice President

[UT Chapter Member/Student sub-unit](#)

[UT Chapter – 2 from Universities](#)

Student Judging Committee

(Sept. 2009 to April 2010)

[UT Chapter Member from University](#)

Trade Show Committee

(July-2008 to April 2010)

WD Secretary Treasurer

[UT Chapter Member – 2 people](#)

Transportation Committee

(Jan 2010 to April 2010)

WD Secretary Treasurer

Website Committee

(July-2008 to April 2010)

UT Webmaster

WD Webmaster

UDWR Works to Prevent Spread of Dreissena Mussels

Many folks in Utah are becoming concerned about the potential invasion of Dreissena mussels (quagga & zebra) into Utah, particularly Lake Powell. Their concern is certainly with good cause,

Dreissena mussels now live on our "doorstep." They are incredibly damaging to water distribution systems, boat circulation systems, and they rob food right from the mouths of our fish, not to mention their sharp shells and "smelly" character ruin your recreational experience. There is much that boaters and anglers can do to minimize the invasion from being realized—"forever keep them out or forever live with them!"

The quagga mussel was recently discovered in Lake Mead (January 2007), and soon thereafter found to have infested the entire lower Colorado River drainage downstream to the Gulf of California. Due to intense recreational boating traffic along the lower Colorado River system and water diversions via associated aqueducts, quagga mussels have also invaded the Phoenix area (Lake Pleasant) and much of southern California's inland waters in Orange, Riverside, San Diego, Imperial, and San Bernardino counties. Their cousin, the zebra mussel, also invaded the west in 2007, and now inhabits Lake Pueblo in Colorado and San Justo Reservoir (San Benito County) in California. Prior to 2007, these invasive mussels only lived east of the 100th Meridian.

Dreissena mussels arrived in the North America during the mid 1980s via transoceanic ships that likely had pumped ballast water from a freshwater European port, and then released their ballast water in the St. Lawrence Seaway as they accessed the Great Lakes. Movement of the mussels throughout North America has mostly been as "hitchhikers" on recreational boats. In fact, live Dreissena mussels have been interdicted being transported on recreational boats in almost all of the U.S. states, including Utah, and at U.S. border crossings into Canada. You can learn much more about this situation and the decade old national effort to control westward Dreissena mussel movement at the 100th Meridian Initiative's web site (<http://www.100thmeridian.org/>). I need to stress that Dreissena mussels—either their microscopic young called veligers, juveniles that are sand grain sized, or adults which grow to about the size of your thumbnail—can live more than 30 days out of water when temperature and humidity condition are just right.

Utah took immediate action upon discovery of Dreissena mussels in the west. A team of Department of Natural Resources' experts was activated in February of 2007 to assess what the impacts of Dreissena mussels could mean to Utah's economy

and aquatic ecosystems. A policy was prepared, which named Utah Division of Wildlife Resources as the state's lead agency on this problem. The analysis showed that invasion to Utah by Dreissena mussels could at a minimum amount to more than \$15 million per year in increased maintenance costs to all agricultural, industrial, and municipal systems that move or use water in Utah. Additionally, it would be expected that our sport fisheries would be seriously impacted, resulting in decreased condition of our fish species. Anglers in Utah spend more than \$708 million per year in Utah's communities pursuing their sport. This expenditure supports a lot of jobs in Utah and results in significant collection of sales tax for use by the Utah legislature. Experience has shown that anglers simply

quit fishing when they become unhappy, and it is very difficult to lure them back to the sport.



By July of 2007 a new Aquatic Invasive Species program was launched within the Utah Division of Wildlife Resources. The program targeted a significant public outreach effort directed at anglers and boaters, making them much more aware than ever about the Dreissena mussel threat. The governor and the leadership for the legislature were appraised of the threat, too. And plans were made and success was achieved during the 2008 legislative session, securing a supplemental FY08 budget

(\$1,106,500) and an ongoing building block budget (\$1,400,000) expected in succeeding years. Funding supports 42 personnel (22.7 full time equivalences), working mostly on aquatic invasive species issues, which represents the largest single programmatic growth ever experienced by Utah Division of Wildlife Resources.

Billboards have been placed statewide advising boaters to CLEAN, DRAIN & DRY their boating equipment. 500,000 Zap the Zebra brochures have distributed statewide, of which 65,000 were mailed directly to registered boat owners. Many signs (3,000) and posters (9,000), which look alike, have been distributed statewide, too.

New legislation has been passed—Utah Aquatic Invasive Species Interdiction Act and Rule R657-60, which facilitates enforcement of the act. The cornerstone of the new program is a mandatory self-certification for boaters to certify that their boats are mussel free prior to each and every launch within Utah. Most of the aforementioned employees are working at boat launches to interdict and inspect boats, causing the boating public to be even more aware of what they can do. Essentially the public must decontaminate their boats if they have been on infested waters in North America within the previous 30 days as follows:

(Continued on page 6)

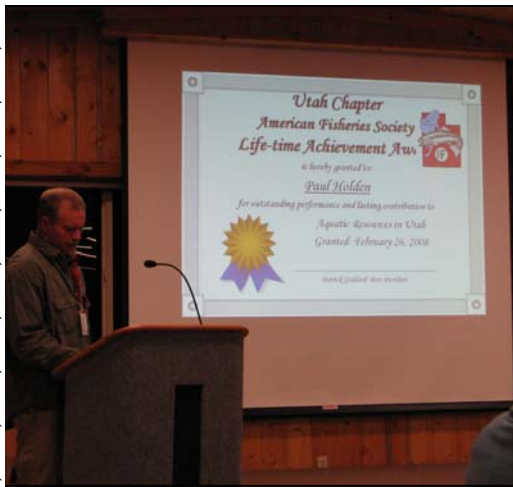
2008 Awards Presented at Banquet



Culturist of the Year—Chuck Bobo



Award of Merit—Ben Nadolski



Lifetime Achievement Award—Paul Holden



President Paul Cowley presents AFS Jacket to Past President Patrick Goddard



Scientist of the Year—Phaedra Budy



Trina Hedrick reluctantly accepts Lifetime Leaky Boot Award for Vernal UDWR (Sorry Trina!)



Official Election Results for 2008-2009 EXCOM

Way to go!!!



Anna Forest
Vice President

Trina Hedrick
First Year Committee Member

Dreissena mussels continued....

(Continued from page 4)

After your last boating trip, did you complete these decontamination steps:

1. Do-it-Yourself Decontamination

* **Clean** all plants, fish, mussels & mud from your boat & trailer prior to leaving the water where you last boated (discard unused bait in the trash where you fished);

* **Drain** all water (bilge, livewell & motor) from your boat prior to leaving the water where you last boated;

* **Dry** your boat & equipment at home or a suitable storage area (7 days summer, 18 days spring/fall, or 30 days winter), or expose your equipment to freezing temperatures for a consecutive 72 hour period (3 days).

-OR-

2. Professional Decontamination

Use a professional to apply scalding water (140°F) to wash your boat and trailer and to flush your motor, bilge and livewells.

NOTE: The above are the only two accepted decontamination procedures accepted in Utah. Potassium Chloride (50 ppm) and Chlorine (0.5 ppm) each work, but require significant contact time to kill the mussels. In the case of Potassium Chloride the contact time is 48 hours for a 100% kill and in the case of Chlorine the contact time is 7 days for only a 75% kill. Other chemicals may become available, but none are approved as of yet.

The Utah Division of Wildlife Resources has 26 trailer mounted decontamination units stationed around the state at the following lakes/reservoirs (currently, no fee is charged):

Northern Utah: Unit roving from Ogden, unit roving from the I-15 Port at Perry (temporarily assigned to Hyrum State Park), unit roving from the I-80 Port at Echo, unit at Bear Lake State Park, unit at Pineview Reservoir, and a unit roving between East Canyon, Rockport and Echo State Parks.

Central Utah: Unit roving from Jordanelle State Park, unit roving from the U.S. 40 Port at Daniels, unit at Strawberry Reservoir, unit at Jordanelle State Park, unit at Deer Creek State Park, unit at Yuba State Park, and a unit at Utah Lake State Park.

Southern Utah: Unit roving from Cedar City, unit roving from U.S. 89 port at Kanab, unit roving from the I-15 port at St. George, unit roving between Gunlock, Quail Creek and Sand Hollow State parks, unit at Fish Lake, and a unit roving between Otter Creek State Park, Paiute State Park and Panquitch Lake.

Northeastern Utah: Unit roving from Vernal, unit roving at Flaming Gorge Reservoir from Dutch John, unit roving between Starvation State Park, Red Fleet State Park, Steinaker State Park and Pelican Lake.

Southeastern Utah: Unit roving from Price, unit at Scofield State Park, unit roving from U.S. 491 Port at Monticello, unit roving between Huntington North State Park and Millsite State Park.

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Presentation Awards for the 2008 Meeting



Eric Billman (Student)

Warren Colyer (Professional)

Jared Bottcher (Poster)

Congratulations for a job well done!

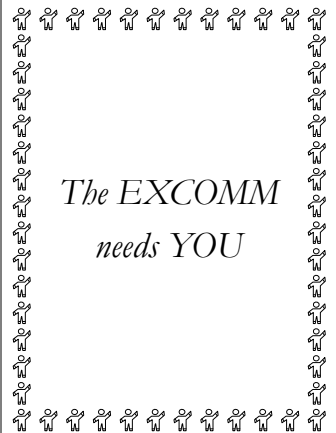
EXTERNAL COMMITTEES—STILL LOOKING!

An important, and often unheralded service to the Chapter and its membership is the functioning of various external committees. These committees are responsible for keeping the Executive Committee and the Chapter membership informed of current issues in their respective area of focus. Currently, the Bonneville Chapter maintains five external committees, including

committees for native fish, legislation action, professionalism and continuing education, fish culture and health, and environmental concerns. The Bonneville Chapter Executive Committee would like to thank Anna Forest for volunteering to serve on the Environmental Concerns Committee where she will focus on mercury contamination issues in Utah. The Executive Committee would also like to take this opportunity to solicit your

help. The Chapter is in need of additional individuals to serve on these various committees. If you are interested, please contact Gary Thiede. Gary's contact information can be found at the back of this newsletter. Thank you

.....Ben Nadolski
Former Second-Year
Committee Member



*The EXCOMM
needs YOU*

Membership Award Winners



**Daniel Keller
Aaron Webber
Brian Hines
Mike Mills**

Utah Chapter American Fisheries Society meeting notes

February 27, 2008

Meeting Notes February 27, 2008 Moab UT Business meeting

A quorum was present.

Western Division update- Eric Wagner

Columbia River-Biological Opinion that the division had been working on. A letter was submitted requesting more time to comment on it.

Portland meeting for Western Division is May 4-8 We are invited to that meeting

The 2009 Western Division meeting will be in Albuquerque.

Ottawa is the location for the National meeting this year.

Awards/scholarships about \$3000 worth of funding is available to students. Nominate your coworkers for awards that are available.

Environmental Concerns committee-many bills are coming up and we need to act on these. Western division asks for a member of our chapter to be on this committee.

Paul Cowley- Asked for any volunteers for this committee. Nobody spoke up.

Western Native Fishes database-objective is to make a real-time database to be accessed by researchers across the west for native fishes.

Treasurer's Report-the treasurer's report was presented.

Brian Hines-reported activities from the USU student subunit.

Ron Brunson reported Election Results- Vice president will be Anna Forest and Trina Hedrick will be the first year committee member.

Walt Donaldson Explained a few bills in the legislature:

117 allows organizations to get instream flows for 10 years at a time. This bill has passed. DWR supports it.

148-aquaculture bill might allow stocking of diseased fish and provided private fish culture opportunities to stock community waters that DWR stocks now. The bill would remove COR process, gave DWR more authority as to what species could be put into ponds and the type of ponds that could be constructed. Screens had to be inspected by private aquaculture groups. They could lose their COR by not complying with screens.

238 Quagga inspection bill- state would have ability to stop boats anywhere to inspect them for quagga mussels. DWR supports it.

Discussion on Hosting Western Division Meeting in 2010 Western Division put together the 2010 Western Division meetings. We would set up local arrangements. Discussion was given about holding the meeting in Utah or Idaho. If in Idaho, it may be hard for some to get funds for out of state travel. Rick Larson motioned to organize the Western Division meeting in Utah. Patrick Goddard seconded. Vote was unanimous in the affirmative.

Discussion was given on increasing the awards money for special projects that the chapter gives each year. Mike Mills motioned to double the money this year to \$3000, Paul Burnett seconded. There was a unanimous vote to double money.

Scott Tolentino motioned to remove the western native fishes project from projects to be funded. Amended that vote should be in quorum now. Paul Holden seconded.

Motion carried, but not unanimous.

Scott motions to fund \$1000 for the western native fishes project. Eric Wagner seconded. The motion passed unanimously.

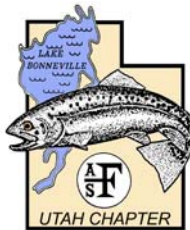
Votes were taken from 8 project proposals.

There was a tie between #3 (June sucker predation study) and #5 (Bear River tributary project?), and #1 (Project for least chub sign and habitat enhancement) won.

Aaron Webber was asked if he was alright with decreasing his award to \$1000 and have the others both also get \$1000. He was alright with it. Motion by Walt Donaldson to move them all to \$1000 so they are all funded. Scott Tolentino seconded. Vote was unanimous in the affirmative.

Motion to adjourn by Paul Cowley. Brian Hines seconded.

Meeting adjourned.



Utah Chapter American Fisheries Society Perspectives February 27, 2008



Dreissena mussels continued...

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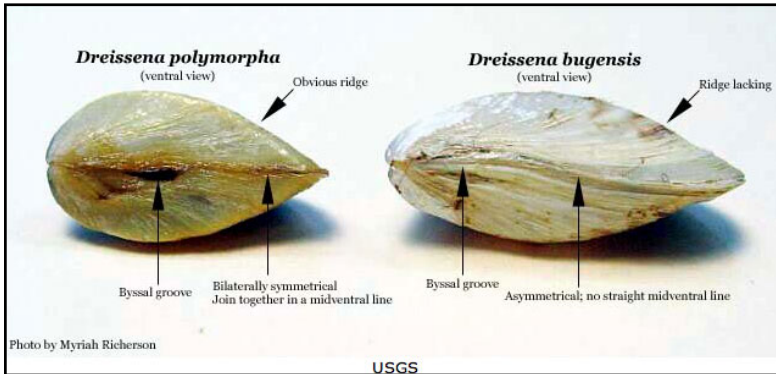
Additionally, private entrepreneurial interests with professional decontamination equipment are beginning to operate around the state, too. The National Park Service's concessionaire at Lake Powell has one unit at Wahweap and one at Bullfrog. Another company operates at Bear Lake and yet another company operates in St. George. And, interest has been expressed by other businesses who see opportunity to "make a buck!"

The program, is only funded for the aforementioned lakes, reservoirs and areas where operations occur, one shift per day, five days per week. Our resources are assigned for the most productive times to interdict a contaminated boat. We are not funded sufficiently to protect all boating waters in Utah, but we are doing everything within our economic ability to fight this quagga/zebra mussel battle.

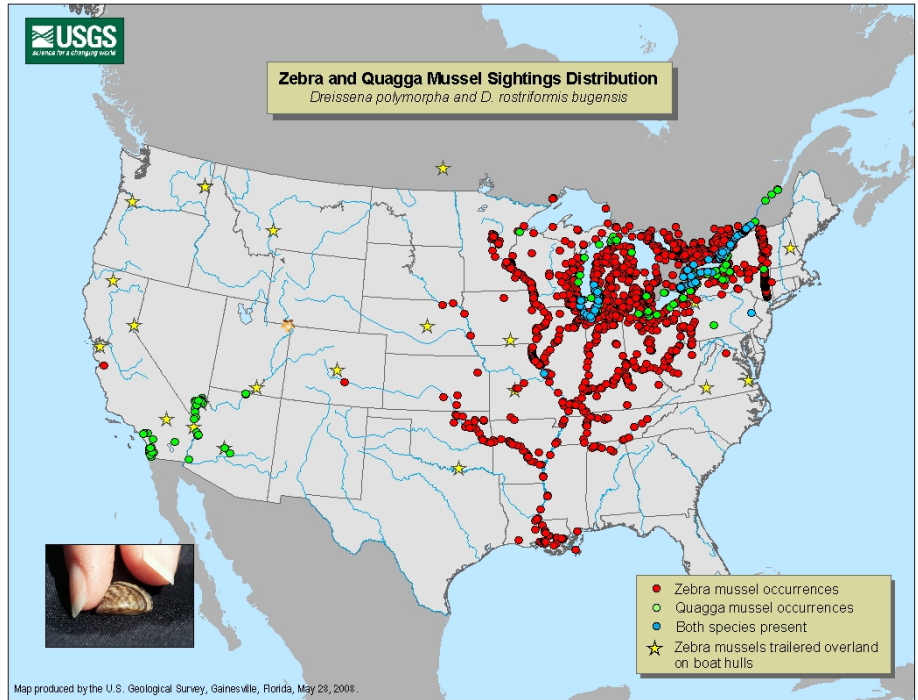
As you can see, progress to date, equates to being "a lot." Please take opportunity to tell your boating and angling friends about what you have learned. Voluntary compliance by our boaters and anglers is the key to success.

.....Larry Dalton

Identification of Zebra and Quagga mussels



CLOSE CALL:
Zebra mussel found on drive shaft on boat at Flaming Gorge on June 4th, 2008



Decontamination Unit



Proposals accepted for funding in 2008

Proposals accepted for funding at (\$1,000 each) were:

**American West Heritage Center Least Chub Pond:
Aaron Webber**

**Chemical Detection of Predators and Learning Capability in
June Sucker:
Stephanie Kraft (USU Student)**

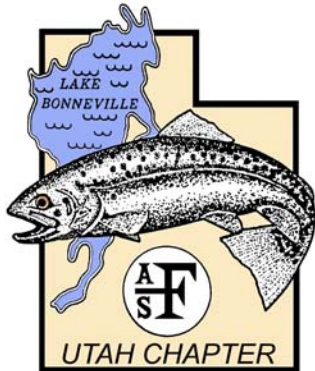
**Swan Creek Mountain Spring Diversion Screening Project:
Kirk Dahle and Scott Tolentino**

**Western Native Fishes Project:
Western Division of AFS**

FISH SHOTS



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The Coveted "Fish o' Flies"
 Donated by the Student Chapter

2007-2008 Utah Chapter Executive Committee

Editor's Note:

Don't forget to sign up for the 2010 Western Division Meeting Committees!
 And send me photos , news and articles- show off your skills!

.....Melissa Trammell

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